



Remediation Management Services Company

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March 2, 2018

Washington Department of Ecology
Northwest Regional Office
Attn: Ms. Donna Musa
3190 160th Avenue SE
Bellevue, WA 98008-5452

Dear Ms. Musa:

Please find the enclosed Annual Status Report for 2017, that documents the results at OPLC Allen Pump Station located at 16292 Ovenell Road, Mount Vernon, Washington.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Chuck Carmel', enclosed within a large, loopy oval.

Chuck Carmel
Operations Project Manager
Remediation Management Services Company
An affiliate of Atlantic Richfield Company

cc: File, Antea Group

ANNUAL STATUS REPORT

Year of 2017

OPLC Allen Pump Station

16292 Ovenell Road, Mount Vernon, Washington

Antea[®] Group Project No. WAALLAA271

March 2, 2018

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

And

BP Pipelines and Logistics – Olympic District

600 SW 39th Street, Suite 275
Renton, WA 98057

Prepared by:

Antea Group

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800 477 7411

REPORTING PERIOD: January – December 2017
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ERTS ID NO: 609166
RM CONTACT: Charles Carmel, (657) 529-4503
OLYMPIC CONTACT: Justin Ivy, (425) 891-2590
ANTEA GROUP CONTACT: Megan Richard, (425) 498-7711

1.0 SITE HISTORY

- On September 8, 1988, the 16-inch diameter high-pressure pipeline located under the Olympic Pipe Line Company (OPLC) Allen Pump Station (Allen Station) ruptured. The pipeline ruptured in the southwest corner of the fenced perimeter of Allen Station, and released approximately 168,000-gallons of diesel fuel. The fenced portion of the pump station is approximately three acres in size; OPLC owns the adjacent 12-acre parcel located west of the fenced facility.
- Prior to the 1988 release, four other documented releases of gasoline or diesel occurred at Allen Station between 1973 and 1983.
- Following the 1988 release, vacuum trucks were used to remove diesel fuel from a recovery trench, and from product recovery wells that were installed in the affected area. Approximately 45,318-gallons of diesel fuel had been recovered two days after the release.
- Between September 1988 and February 1989, 28 monitoring wells, and 8 recovery wells were installed in and around the affected area. The new wells were in addition to 20 monitoring wells that existed at the station. A soil/bentonite cutoff wall was constructed along the southwest corner of the fenced perimeter of the station. Additionally, a vapor extraction (VE) system was installed to reduce vapors under the station's control building. The total recorded quantity of recovered product was estimated to be 96,600-gallons.
- In 1989, water samples were collected from shallow domestic water wells, and surface water from two farms that surrounded the site. Analytic results from the water samples indicated hydrocarbon concentrations of less than 1.0 milligrams per liter (mg/L).
- In 1990, 91 soil samples were collected from 46 sample locations located on the property west of and adjacent to Allen Station, and from areas adjacent to the recovery trench.
- In 1991, the original recovery trench was backfilled, and a second trench was installed 25 feet north of the previous recovery trench. An oil/water separator was installed within the new trench in the southwest corner of the 12-acre parcel.

- Between June 23, 1992, and April 14, 1993, a subsurface investigation of the adjacent 12-acre parcel was completed by installing 58 hand-auger soil borings to depths ranging between 2 and 13 feet below ground surface (bgs).
- In 2002 and 2003, quarterly groundwater monitoring and sampling resumed after being suspended in 1994. Semi-annual or annual groundwater samples have been collected at the facility since 2004.
- On July 16, 2007, and September 25, 2007, 18 soil borings were advanced as part of a subsurface soil and groundwater assessment. Activities included collecting 36 soil samples, and 18 groundwater samples from soil borings installed west and south of the fenced facility. The soil borings were installed to depths ranging between 10 and 32 feet bgs. A *Soil and Groundwater Assessment Report* detailing the results of the assessment was submitted to the Washington State Department of Ecology (Ecology) in March 2008.
- On August 25, 2009, seven direct push borings were installed as part of a subsurface investigation conducted to further delineate the extent of hydrocarbon impacts west of the fenced facility. The results of the subsurface investigation were presented to Ecology in a *Supplemental Soil and Groundwater Assessment Report* in May 2010.
- On March 18, 2010, the Skagit County Health Department, on behalf of Ecology, conducted an Initial Site Hazard Assessment.
- On September 8, 2010, the Skagit County Health Department issued the results of the Site Hazard Assessment (SHA) conducted at Allen Station. Allen Station's hazard ranking, an estimation of the potential threat to human health and/or the environment relative to all other Washington state sites assessed at the time, was determined to be a 1, where 1 represents the highest relative risk and 5 the lowest.
- Following the completion of the SHA, water sample collection from the oil/water separator was added to the semi-annual scope of work. Analytical results of water samples collected from the oil/water separator will be included in the semi-annual status reports.
- On January 31, 2011, following a request of the Skagit County Health Department, a groundwater sample was collected from an agricultural well located on the property north of and adjacent to Allen Station. Analytical results of the groundwater sample were below laboratory method detection limits, and MTCA Method A Cleanup Levels. A report documenting the analytical results was submitted to the Skagit County Health Department on May 3, 2011.
- Between October 28 and October 29, 2013, Antea Group conducted a subsurface investigation to further delineate shallow soil and groundwater conditions at the site. Six soil borings were advanced and completed as monitoring wells MW-18, MW-19, MW-20, MW-21, MW-22, and MW-23. Findings from the investigation were presented in Antea Group's *Subsurface Investigation Report* dated March 26, 2014.
- In November 2014 a release of diesel/gasoline mix of unknown volume was discovered. Vacuum trucks were used to recover product from recovery and monitoring wells.
- In November and December 2014, two subsurface investigations were completed following discovery of a release. The investigation included the advancement of 45 borings and the subsequent completion of 26 borings as groundwater monitoring wells MW-24, MW-25, MW-27 through MW-29, MW-31, MW-32,

MW-34 through MW-45, and MW-47 through MW-53. Findings from the investigations were presented in Antea Group's *Subsurface Investigation Report* dated April 7, 2015.

- In September 2015 a subsurface investigation was completed to further evaluate shallow soil and groundwater conditions with respect to petroleum hydrocarbons within OPLC's fenced facility, and in the adjacent fields to the north and west of OPLC's fenced facility. The investigation included the advancement of 12 borings which were subsequently completed as groundwater monitoring wells MW- 55 through MW-66. Findings from the investigation were presented in Antea Group's *Subsurface Investigation Report* dated February 9, 2016.
- In October 2016 a subsurface investigation was completed to further evaluate shallow soil and groundwater conditions with respect to petroleum hydrocarbons. The investigation included the advancement of 5 borings which were subsequently completed as groundwater monitoring wells MW-67 through MW-71. Findings from the investigation were presented in Antea Group's *Subsurface Investigation Report* dated February 15, 2018.
- Site characterization and remedial activities are being conducted by OPLC in accordance with Ecology Model Toxics Control Act (MTCA) as an Independent Cleanup Action outside the Voluntary Cleanup Program (VCP).

2.0 WORK PERFORMED DURING THE REPORTING PERIOD

- On March 21 through 23, 2017, quarterly groundwater monitoring and sampling was conducted. Groundwater samples were collected from monitoring wells C, MW-1, MW-2, MW-9, MW-12, MW-14, MW-17A, MW-18 through MW-25, MW-27, MW-29, MW-31, MW-32, MW-35 through MW-45, MW-47 through MW-56, MW-61 through MW-71, IW-1, and AG Well. Due to standing water, samples could not be collected from wells MW-57 through MW-60. Due to the presence of passive skimmers within the wells, samples were not collected from MW-28 and MW-34.
- On June 27 and 28, 2017, quarterly groundwater monitoring and sampling was conducted. Groundwater samples were collected from monitoring wells C, MW-1, MW-2, MW-14, MW-18 through MW-23, MW-25, MW-27, MW-29, MW-31, MW-32, MW-35, MW-36, MW-38, MW-41, MW-43 through MW-45, MW-48 through MW-53, MW-55 through MW-71, AG-Well, and IW-1. Due to the presence of passive skimmers within the wells, samples were not collected from MW-28 and MW-34. Due to dry conditions, a sample was not collected from well MW-54.
- On September 26 through 28, 2017, quarterly groundwater monitoring and sampling was conducted. Groundwater samples were collected from monitoring wells MW-18 through MW-23, MW-25, MW-27, MW-29, MW-31, MW-32, MW-35, MW-38, MW-41, MW-43 through MW-45, MW-48 through MW-53, MW-55 through MW-71, IW-1, and AG Well. Due to the presence of passive skimmers within the wells, samples were not collected from MW-28 and MW-34.
- On November 28 and 29, 2017, quarterly groundwater monitoring and sampling was conducted. Groundwater samples were collected from monitoring wells MW-2, MW-14, MW-18 through MW-21, MW-

MW-35, MW-39, MW-41, MW-43 through MW-45, MW-54 through MW-71, and AG-Well. Due to dry conditions, a sample was not collected from well MW-9. Due to the presence of passive skimmers within the wells, samples were not collected from wells MW-28 and MW-34.

3.0 SYSTEM CONFIGURATION

- Not applicable.

4.0 PROJECT STATUS

- Quarterly groundwater sampling of monitoring wells C, MW-2, MW-9, MW-14, MW-19, MW-20, MW-21, MW-35, MW-39, MW-41, MW-43, MW-44, MW-45, MW-54, MW-55, MW-56, MW-57, MW-58, MW-59, MW-60, MW-61, MW-62, MW-63, MW-64, MW-66 through MW-71, through MW-45, MW-41 through MW-71, AG-Well;
- Passive LNAPL recovery as needed, and;
- Semi-annual reporting.

5.0 DATA REVIEW AND RECOMMENDATIONS

- During the 2017 reporting period, groundwater analytical results indicate hydrocarbon concentrations in excess of MTCA Method A Cleanup Levels in monitoring wells C, MW-2, MW-14, MW-18, MW-19, MW-20 through MW-29, MW-31, MW-32, MW-35, MW-36, MW-38, MW-42 through MW-45, MW-48 through MW-50, MW-52, MW-53, MW-56 through MW-59, MW-64 through MW-67, and C.
- During the 2017 reporting period, hydrocarbon concentrations in MW-1, MW-9, MW-12, MW-17A, MW-37, MW-39 through MW-41, MW-47, MW-51, MW-54, MW-55, MW-60 through MW-63, MW-68 through MW-71, and IW-1 were not detected in excess of MTCA Method A Cleanup Levels.
- Measurable LNAPL was observed in wells MW-28, MW-34, MW-36, and MW-59 at some point during the 2017 reporting period. Passive skimmers are currently deployed in wells MW-34 and MW-28. Absorbent socks are currently deployed in PW-4.
- Antea Group will continue to conduct quarterly groundwater sampling and passive LNAPL recovery as needed.
- Groundwater Gauging Data are presented in Table 1. Groundwater Analytical Data are presented in Table 2.
- A Site Location Map, Expanded Site Map, Groundwater Analytical Data Maps, and Potentiometric Surface Maps are presented as Figures 1 through 10.
- The groundwater analytical laboratory reports are included as Appendix A.

6.0 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:



Joseph Glover
Staff Professional

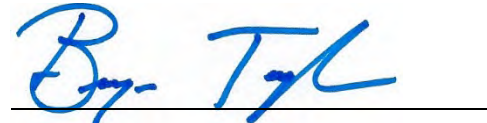
Date: March 2, 2018

Reviewed by:



Megan Richard, LG
Project Manager

Date: March 2, 2018



Bryan Taylor
Consultant

Date: March 2, 2018

cc: Mr. Justin Ivy, OPLC, Renton, WA (Electronic Copy)
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Mr. Charles Carmel, Remediation Management Services Company (Electronic Copy - RMO Upload)
File, Antea Group

Enclosures

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Table 1	Groundwater Gauging Data
Table 2	Groundwater Analytical Data

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
C	6/23/1992	101.40	8.47	NP	--	92.93	--
C	7/2/1992	101.40	7.99	NP	--	93.41	--
C	8/17/1992	101.40	8.66	NP	--	92.74	--
C	9/30/1992	101.40	--	--	--	--	NG
C	10/30/1992	101.40	8.47	NP	--	92.93	--
C	11/30/1992	101.40	3.57	NP	--	97.83	--
C	4/16/1993	101.40	6.84	NP	--	94.56	--
C	10/3/2000	101.40	--	--	--	--	Dry
C	2/28/2001	101.40	6.55	NP	--	94.85	--
C	5/30/2001	101.40	7.81	NP	--	93.59	--
C	8/22/2001	101.40	9.16	NP	--	92.24	--
C	11/21/2001	101.40	6.49	NP	--	94.91	--
C	2/20/2002	101.40	5.31	NP	--	96.09	--
C	5/16/2002	101.40	6.89	NP	--	94.51	--
C	8/2/2002	101.40	8.22	NP	--	93.18	--
C	12/19/2002	101.40	8.72	NP	--	92.68	--
C	5/19/2003	101.40	8.10	NP	--	93.30	--
C	11/13/2003	101.40	7.51	NP	--	93.89	--
C	6/4/2004	101.40	7.13	NP	--	94.27	--
C	10/7/2004	101.40	7.98	NP	--	93.42	--
C	4/28/2005	101.40	6.00	NP	--	95.40	--
C	11/16/2005	101.40	5.95	NP	--	95.45	--
C	6/13/2006	101.40	7.44	NP	--	93.96	--
C	2/26/2007	101.40	3.79	NP	--	97.61	--
C	5/9/2007	101.40	7.48	NP	--	93.92	--
C	7/16/2007	101.40	8.99	NP	--	92.41	--
C	8/22/2007	101.40	9.19	NP	--	92.21	--
C	9/25/2007	101.40	9.80	NP	--	91.60	--
C	10/25/2007	101.40	7.40	NP	--	94.00	--
C	11/9/2007	101.40	8.15	NP	--	93.25	--
C	12/3/2007	101.40	7.12	NP	--	94.28	--
C	1/17/2008	101.40	4.64	NP	--	96.76	--
C	4/7/2008	101.40	4.94	NP	--	96.46	--
C	7/22/2008	101.40	8.55	NP	--	92.85	--
C	10/21/2008	101.40	9.37	NP	--	92.03	--

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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
C	1/20/2009	101.40	4.61	NP	--	96.79	--
C	7/6/2009	101.40	9.07	NP	--	92.33	--
C	3/17/2010	101.40	6.51	NP	--	94.89	--
C	9/15/2010	101.40	8.89	NP	--	92.51	--
C	3/4/2011	101.40	4.31	NP	--	97.09	--
C	8/24/2011	101.40	8.89	NP	--	92.51	--
C	5/10/2012	101.40	4.95	NP	--	96.45	--
C	11/15/2012	101.40	7.07	NP	--	94.33	--
C	3/27/2013	101.40	5.36	NP	--	96.04	--
C	12/17/2013	101.40	7.21	NP	--	94.19	--
C	6/24/2014	101.40	7.77	NP	--	93.63	--
C	11/7/2014	101.40	4.60	NP	--	96.80	--
C	11/8/2014	101.40	4.71	NP	--	96.69	--
C	11/8/2014	101.40	4.75	NP	--	96.65	--
C	11/10/2014	101.40	5.01	NP	--	96.39	--
C	11/12/2014	101.40	5.39	NP	--	96.01	--
C	11/18/2014	101.40	6.34	NP	--	95.06	--
C	11/19/2014	101.40	6.40	NP	--	95.00	--
C	12/1/2014	98.86	4.71	NP	--	94.15	--
C	12/8/2014	98.86	5.00	NP	--	93.86	--
C	12/15/2014	98.86	4.67	NP	--	94.19	--
C	12/22/2014	98.86	4.69	NP	--	94.17	--
C	12/29/2014	98.86	4.25	NP	--	94.61	--
C	1/5/2015	98.86	2.98	NP	--	95.88	--
C	1/12/2015	98.86	4.71	NP	--	94.15	--
C	1/19/2015	98.86	4.26	NP	--	94.60	--
C	1/26/2015	98.86	4.26	NP	--	94.60	--
C	2/2/2015	98.86	5.03	NP	--	93.83	--
C	2/9/2015	98.86	4.15	NP	--	94.71	--
C	2/16/2015	98.86	4.67	NP	--	94.19	--
C	2/23/2015	98.86	5.03	NP	--	93.83	--
C	3/2/2015	98.86	4.87	NP	--	93.99	--
C	3/9/2015	98.86	5.54	NP	--	93.32	--
C	3/16/2015	98.86	4.39	NP	--	94.47	--
C	3/23/2015	98.86	4.51	NP	--	94.35	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
C	3/30/2015	98.86	4.86	NP	--	94.00	--
C	4/6/2015	98.86	5.58	NP	--	93.28	--
C	4/22/2015	98.86	6.97	NP	--	91.89	--
C	5/4/2015	98.86	7.11	NP	--	91.75	--
C	5/18/2015	98.86	7.65	NP	--	91.21	--
C	6/1/2015	98.86	8.29	NP	--	90.57	--
C	6/15/2015	98.86	8.73	NP	--	90.13	--
C	6/19/2015	98.86	8.86	NP	--	90.00	--
C	6/29/2015	98.86	9.06	NP	--	89.80	--
C	7/13/2015	98.86	9.44	NP	--	89.42	--
C	7/28/2015	98.86	9.62	NP	--	89.24	--
C	8/10/2015	98.86	9.75	NP	--	89.11	--
C	8/24/2015	98.86	--	--	--	--	Dry
C	9/8/2015	98.86	9.60	NP	--	89.26	--
C	9/21/2015	98.86	9.58	NP	--	89.28	--
C	10/5/2015	98.86	9.66	NP	--	89.20	--
C	10/12/2015	98.86	9.60	NP	--	89.26	--
C	10/19/2015	98.86	9.62	NP	--	89.24	--
C	11/2/2015	98.86	8.42	NP	--	90.44	--
C	11/16/2015	98.86	4.15	NP	--	94.71	--
C	11/30/2015	98.86	5.71	NP	--	93.15	--
C	1/18/2016	98.86	5.07	NP	--	93.79	--
C	2/1/2016	98.86	4.65	NP	--	94.21	--
C	2/15/2016	98.86	3.15	NP	--	95.71	--
C	3/7/2016	98.86	5.12	NP	--	93.74	--
C	3/29/2016	98.86	4.71	NP	--	94.15	--
C	4/5/2016	98.86	--	--	--	--	NG
C	4/19/2016	98.86	5.80	NP	--	93.06	--
C	5/10/2016	98.86	7.18	NP	--	91.68	--
C	5/24/2016	98.86	7.60	NP	--	91.26	--
C	6/7/2016	98.86	7.95	NP	--	90.91	--
C	6/21/2016	98.86	7.89	NP	--	90.97	--
C	7/19/2016	98.86	8.58	NP	--	90.28	--
C	8/23/2016	98.86	9.47	NP	--	89.39	--
C	9/20/2016	98.86	8.72	NP	--	90.14	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
C	11/8/2016	98.86	4.68	NP	--	94.18	--
C	12/6/2016	98.86	7.68	NP	--	91.18	--
C	3/21/2017	98.86	4.62	NP	--	94.24	--
C	4/27/2017	98.86	5.78	NP	--	93.08	--
C	5/30/2017	98.86	7.14	NP	--	91.72	--
C	6/27/2017	98.86	8.41	NP	--	90.45	--
C	8/3/2017	98.86	9.30	NP	--	89.56	--
C	8/31/2017	98.86	9.85	NP	--	89.01	--
C	9/26/2017	98.86	9.71	NP	--	89.15	--
C	11/29/2017	98.86	5.49	NP	--	93.37	--
IW-1	11/7/2014	--	8.95	NP	--	--	--
IW-1	11/8/2014	--	--	--	--	--	NG
IW-1	11/8/2014	--	--	--	--	--	NG
IW-1	11/9/2014	--	8.85	NP	--	--	--
IW-1	11/12/2014	--	8.84	NP	--	--	--
IW-1	11/17/2014	--	8.90	NP	--	--	--
IW-1	11/18/2014	--	8.80	NP	--	--	--
IW-1	11/19/2014	--	8.83	NP	--	--	--
IW-1	12/1/2014	--	8.30	NP	--	--	--
IW-1	12/8/2014	--	8.10	NP	--	--	--
IW-1	12/15/2014	--	7.72	NP	--	--	--
IW-1	12/22/2014	--	7.42	NP	--	--	--
IW-1	12/29/2014	--	6.90	NP	--	--	--
IW-1	1/5/2015	--	2.26	NP	--	--	--
IW-1	1/12/2015	--	6.15	NP	--	--	--
IW-1	1/13/2015	--	6.15	NP	--	--	--
IW-1	1/19/2015	--	5.79	NP	--	--	--
IW-1	1/26/2015	--	5.83	NP	--	--	--
IW-1	2/2/2015	--	6.28	NP	--	--	--
IW-1	2/9/2015	--	5.76	NP	--	--	--
IW-1	2/16/2015	--	5.95	NP	--	--	--
IW-1	2/23/2015	--	6.36	NP	--	--	--
IW-1	3/2/2015	--	6.41	NP	--	--	--
IW-1	3/9/2015	--	6.78	NP	--	--	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
IW-1	3/16/2015	--	6.58	NP	--	--	--
IW-1	3/23/2015	--	6.60	NP	--	--	--
IW-1	3/30/2015	--	6.56	NP	--	--	--
IW-1	4/6/2015	--	6.93	NP	--	--	--
IW-1	4/22/2015	--	7.58	NP	--	--	--
IW-1	5/4/2015	--	7.76	NP	--	--	--
IW-1	5/18/2015	--	8.01	NP	--	--	--
IW-1	6/1/2015	--	8.35	NP	--	--	--
IW-1	6/15/2015	--	8.68	NP	--	--	--
IW-1	6/19/2015	--	8.77	NP	--	--	--
IW-1	6/29/2015	--	6.00	NP	--	--	--
IW-1	7/13/2015	--	9.25	NP	--	--	--
IW-1	7/28/2015	--	9.55	NP	--	--	--
IW-1	8/10/2015	--	9.90	NP	--	--	--
IW-1	8/24/2015	--	10.20	NP	--	--	--
IW-1	9/8/2015	--	10.01	NP	--	--	--
IW-1	9/21/2015	--	10.08	NP	--	--	--
IW-1	10/5/2015	--	10.33	NP	--	--	--
IW-1	10/12/2015	--	10.32	NP	--	--	--
IW-1	10/19/2015	--	10.40	NP	--	--	--
IW-1	11/2/2015	--	10.10	NP	--	--	--
IW-1	11/16/2015	--	9.45	NP	--	--	--
IW-1	11/30/2015	--	9.08	NP	--	--	--
IW-1	1/18/2016	--	6.83	NP	--	--	--
IW-1	2/1/2016	--	6.24	NP	--	--	--
IW-1	2/15/2016	--	4.57	NP	--	--	--
IW-1	3/7/2016	--	6.03	NP	--	--	--
IW-1	3/29/2016	--	6.07	NP	--	--	--
IW-1	4/5/2016	--	--	--	--	--	NG
IW-1	4/19/2016	--	6.80	NP	--	--	--
IW-1	5/10/2016	--	7.40	NP	--	--	--
IW-1	5/24/2016	--	7.75	NP	--	--	--
IW-1	6/7/2016	--	8.05	NP	--	--	--
IW-1	6/21/2016	--	8.20	NP	--	--	--
IW-1	7/19/2016	--	8.60	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
IW-1	8/23/2016	--	9.31	NP	--	--	--
IW-1	9/20/2016	--	9.50	NP	--	--	--
IW-1	11/8/2016	--	9.03	NP	--	--	--
IW-1	12/6/2016	--	8.27	NP	--	--	--
IW-1	3/21/2017	--	5.97	NP	--	--	--
IW-1	4/27/2017	--	7.90	NP	--	--	--
IW-1	5/30/2017	--	7.60	NP	--	--	--
IW-1	6/27/2017	--	8.34	NP	--	--	--
IW-1	8/3/2017	--	9.15	NP	--	--	--
IW-1	8/31/2017	--	9.78	NP	--	--	--
IW-1	9/26/2017	--	10.15	NP	--	--	--
IW-1	11/29/2017	--	9.33	NP	--	--	--
MW-1	6/23/1992	98.52	5.92	NP	--	92.60	--
MW-1	7/2/1992	98.52	5.41	NP	--	93.11	--
MW-1	8/17/1992	98.52	6.16	NP	--	92.36	--
MW-1	9/30/1992	98.52	9.23	NP	--	89.29	--
MW-1	10/30/1992	98.52	5.93	NP	--	92.59	--
MW-1	11/30/1992	98.52	1.76	NP	--	96.76	--
MW-1	4/16/1993	98.52	3.97	NP	--	94.55	--
MW-1	10/3/2000	98.52	6.81	NP	--	91.71	--
MW-1	2/28/2001	98.52	4.41	NP	--	94.11	--
MW-1	5/30/2001	98.52	4.85	NP	--	93.67	--
MW-1	8/22/2001	98.52	2.78	NP	--	95.74	--
MW-1	11/21/2001	98.52	3.55	NP	--	94.97	--
MW-1	2/20/2002	98.52	5.21	NP	--	93.31	--
MW-1	5/16/2002	98.52	4.31	NP	--	94.21	--
MW-1	8/2/2002	98.52	6.36	NP	--	92.16	--
MW-1	12/19/2002	98.52	5.28	NP	--	93.24	--
MW-1	5/19/2003	98.52	5.51	NP	--	93.01	--
MW-1	11/13/2003	98.52	3.81	NP	--	94.71	--
MW-1	6/4/2004	98.52	5.15	NP	--	93.37	--
MW-1	10/7/2004	98.52	5.74	NP	--	92.78	--
MW-1	4/28/2005	98.52	4.12	NP	--	94.40	--
MW-1	11/16/2005	98.52	3.00	NP	--	95.52	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	6/13/2006	98.52	5.35	NP	--	93.17	--
MW-1	2/26/2007	98.52	1.72	NP	--	96.80	--
MW-1	5/9/2007	98.52	5.08	NP	--	93.44	--
MW-1	7/16/2007	98.52	6.54	NP	--	91.98	--
MW-1	8/22/2007	98.52	7.01	NP	--	91.51	--
MW-1	9/25/2007	98.52	7.27	NP	--	91.25	--
MW-1	10/25/2007	98.52	2.55	NP	--	95.97	--
MW-1	11/9/2007	98.52	5.70	NP	--	92.82	--
MW-1	12/3/2007	98.52	1.84	NP	--	96.68	--
MW-1	1/17/2008	98.52	2.31	NP	--	96.21	--
MW-1	4/7/2008	98.52	2.76	NP	--	95.76	--
MW-1	7/22/2008	98.52	6.12	NP	--	92.40	--
MW-1	10/21/2008	98.52	6.79	NP	--	91.73	--
MW-1	1/20/2009	98.52	2.91	NP	--	95.61	--
MW-1	7/6/2009	98.52	6.61	NP	--	91.91	--
MW-1	3/17/2010	98.52	2.71	NP	--	95.81	--
MW-1	9/15/2010	98.52	6.10	NP	--	92.42	--
MW-1	3/4/2011	98.52	2.08	NP	--	96.44	--
MW-1	8/24/2011	98.52	5.61	NP	--	92.91	--
MW-1	5/10/2012	98.52	3.20	NP	--	95.32	--
MW-1	11/15/2012	98.52	2.79	NP	--	95.73	--
MW-1	3/27/2013	98.52	3.45	NP	--	95.07	--
MW-1	12/17/2013	98.52	4.77	NP	--	93.75	--
MW-1	6/24/2014	98.52	5.30	NP	--	93.22	--
MW-1	11/7/2014	98.52	1.85	NP	--	96.67	--
MW-1	11/8/2014	98.52	2.22	NP	--	96.30	--
MW-1	11/8/2014	98.52	2.66	NP	--	95.86	--
MW-1	11/9/2014	98.52	1.90	NP	--	96.62	--
MW-1	11/10/2014	98.52	2.36	NP	--	96.16	--
MW-1	11/12/2014	98.52	3.26	NP	--	95.26	--
MW-1	11/18/2014	98.52	4.18	NP	--	94.34	--
MW-1	11/19/2014	98.52	4.23	NP	--	94.29	--
MW-1	12/1/2014	95.93	2.90	NP	--	93.03	--
MW-1	12/8/2014	95.93	2.58	NP	--	93.35	--
MW-1	12/15/2014	95.93	2.91	NP	--	93.02	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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	12/22/2014	95.93	1.85	NP	--	94.08	--
MW-1	12/29/2014	95.93	1.74	NP	--	94.19	--
MW-1	1/5/2015	95.93	1.38	NP	--	94.55	--
MW-1	1/12/2015	95.93	2.26	NP	--	93.67	--
MW-1	1/19/2015	95.93	1.55	NP	--	94.38	--
MW-1	1/26/2015	95.93	1.76	NP	--	94.17	--
MW-1	2/2/2015	95.93	2.70	NP	--	93.23	--
MW-1	2/9/2015	95.93	1.60	NP	--	94.33	--
MW-1	2/16/2015	95.93	2.22	NP	--	93.71	--
MW-1	2/23/2015	95.93	3.01	NP	--	92.92	--
MW-1	3/2/2015	95.93	2.65	NP	--	93.28	--
MW-1	3/9/2015	95.93	3.63	NP	--	92.30	--
MW-1	3/16/2015	95.93	1.67	NP	--	94.26	--
MW-1	3/23/2015	95.93	2.00	NP	--	93.93	--
MW-1	3/30/2015	95.93	2.63	NP	--	93.30	--
MW-1	4/6/2015	95.93	3.59	NP	--	92.34	--
MW-1	4/22/2015	95.93	4.62	NP	--	91.31	--
MW-1	5/4/2015	95.93	4.76	NP	--	91.17	--
MW-1	5/18/2015	95.93	5.23	NP	--	90.70	--
MW-1	6/1/2015	95.93	5.80	NP	--	90.13	--
MW-1	6/15/2015	95.93	6.18	NP	--	89.75	--
MW-1	6/19/2015	95.93	6.25	NP	--	89.68	--
MW-1	6/29/2015	95.93	6.53	NP	--	89.40	--
MW-1	7/13/2015	95.93	6.85	NP	--	89.08	--
MW-1	7/28/2015	95.93	7.12	NP	--	88.81	--
MW-1	8/10/2015	95.93	7.36	NP	--	88.57	--
MW-1	8/24/2015	95.93	7.58	NP	--	88.35	--
MW-1	9/8/2015	95.93	6.38	NP	--	89.55	--
MW-1	9/21/2015	95.93	6.12	NP	--	89.81	--
MW-1	10/5/2015	95.93	6.97	NP	--	88.96	--
MW-1	10/12/2015	95.93	6.74	NP	--	89.19	--
MW-1	10/19/2015	95.93	6.96	NP	--	88.97	--
MW-1	11/2/2015	95.93	2.02	NP	--	93.91	--
MW-1	11/16/2015	95.93	1.80	NP	--	94.13	--
MW-1	11/30/2015	95.93	3.71	NP	--	92.22	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	1/18/2016	95.93	2.16	NP	--	93.77	--
MW-1	2/1/2016	95.93	1.70	NP	--	94.23	--
MW-1	2/15/2016	95.93	1.38	NP	--	94.55	--
MW-1	3/7/2016	95.93	2.75	NP	--	93.18	--
MW-1	3/29/2016	95.93	1.92	NP	--	94.01	--
MW-1	4/5/2016	95.93	--	--	--	--	NG
MW-1	4/19/2016	95.93	3.60	NP	--	92.33	--
MW-1	5/10/2016	95.93	4.72	NP	--	91.21	--
MW-1	5/24/2016	95.93	4.98	NP	--	90.95	--
MW-1	6/7/2016	95.93	5.35	NP	--	90.58	--
MW-1	6/21/2016	95.93	4.65	NP	--	91.28	--
MW-1	7/19/2016	95.93	6.00	NP	--	89.93	--
MW-1	8/23/2016	95.93	6.89	NP	--	89.04	--
MW-1	9/20/2016	95.93	5.90	NP	--	90.03	--
MW-1	11/8/2016	95.93	4.23	NP	--	91.70	--
MW-1	12/6/2016	95.93	1.97	NP	--	93.96	--
MW-1	3/21/2017	95.93	1.80	NP	--	94.13	--
MW-1	4/27/2017	95.93	3.58	NP	--	92.35	--
MW-1	5/30/2017	95.93	4.71	NP	--	91.22	--
MW-1	6/28/2017	95.93	5.71	NP	--	90.22	--
MW-1	8/3/2017	95.93	6.81	NP	--	89.12	--
MW-1	8/31/2017	95.93	7.36	NP	--	88.57	--
MW-1	11/29/2017	95.93	2.05	NP	--	93.88	--
MW-2	6/23/1992	99.09	5.97	NP	--	93.12	--
MW-2	7/2/1992	99.09	5.78	NP	--	93.31	--
MW-2	8/17/1992	99.09	6.24	NP	--	92.85	--
MW-2	9/30/1992	99.09	9.52	NP	--	89.57	--
MW-2	10/30/1992	99.09	6.22	NP	--	92.87	--
MW-2	11/30/1992	99.09	3.62	NP	--	95.47	--
MW-2	4/16/1993	99.09	4.65	NP	--	94.44	--
MW-2	10/3/2000	99.09	7.56	NP	--	91.53	--
MW-2	2/28/2001	99.09	5.48	NP	--	93.61	--
MW-2	5/30/2001	99.09	5.94	NP	--	93.15	--
MW-2	8/22/2001	99.09	7.64	NP	--	91.45	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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	11/21/2001	99.09	5.47	NP	--	93.62	--
MW-2	2/20/2002	99.09	4.25	NP	--	94.84	--
MW-2	5/16/2002	99.09	5.22	NP	--	93.87	--
MW-2	8/2/2002	99.09	6.96	NP	--	92.13	--
MW-2	12/19/2002	99.09	7.08	NP	--	92.01	--
MW-2	5/19/2003	99.09	6.24	NP	--	92.85	--
MW-2	11/13/2003	99.09	6.65	NP	--	92.44	--
MW-2	6/4/2004	99.09	5.96	NP	--	93.13	--
MW-2	10/7/2004	99.09	6.51	NP	--	92.58	--
MW-2	4/28/2005	99.09	4.89	NP	--	94.20	--
MW-2	11/16/2005	99.09	5.46	NP	--	93.63	--
MW-2	6/13/2006	99.09	6.29	NP	--	92.80	--
MW-2	2/26/2007	99.09	3.51	NP	--	95.58	--
MW-2	5/9/2007	99.09	5.92	NP	--	93.17	--
MW-2	7/16/2007	99.09	7.40	NP	--	91.69	--
MW-2	8/22/2007	99.09	7.94	NP	--	91.15	--
MW-2	9/25/2007	99.09	8.22	NP	--	90.87	--
MW-2	10/25/2007	99.09	6.25	NP	--	92.84	--
MW-2	11/9/2007	99.09	6.81	NP	--	92.28	--
MW-2	12/3/2007	99.09	5.90	NP	--	93.19	--
MW-2	1/17/2008	99.09	4.21	NP	--	94.88	--
MW-2	4/7/2008	99.09	4.35	NP	--	94.74	--
MW-2	7/22/2008	99.09	6.88	NP	--	92.21	--
MW-2	10/21/2008	99.09	7.72	NP	--	91.37	--
MW-2	1/20/2009	99.09	4.04	NP	--	95.05	--
MW-2	7/6/2009	99.09	7.40	NP	--	91.69	--
MW-2	3/17/2010	99.09	5.23	NP	--	93.86	--
MW-2	9/15/2010	99.09	7.17	NP	--	91.92	--
MW-2	3/4/2011	99.09	3.78	NP	--	95.31	--
MW-2	8/24/2011	99.09	7.03	NP	--	92.06	--
MW-2	5/10/2012	99.09	4.22	NP	--	94.87	--
MW-2	11/15/2012	99.09	5.52	NP	--	93.57	--
MW-2	3/27/2013	99.09	4.53	NP	--	94.56	--
MW-2	12/17/2013	99.09	6.03	NP	--	93.06	--
MW-2	6/24/2014	99.09	6.22	NP	--	92.87	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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	11/7/2014	99.09	4.02	NP	--	95.07	--
MW-2	11/8/2014	99.09	4.40	NP	--	94.69	--
MW-2	11/8/2014	99.09	4.36	NP	--	94.73	--
MW-2	11/9/2014	99.09	4.27	NP	--	94.82	--
MW-2	11/10/2014	99.09	4.43	NP	--	94.66	--
MW-2	11/12/2014	99.09	4.73	NP	--	94.36	--
MW-2	11/18/2014	99.09	5.33	NP	--	93.76	--
MW-2	11/19/2014	99.09	5.37	NP	--	93.72	--
MW-2	12/1/2014	97.23	4.25	NP	--	92.98	--
MW-2	12/8/2014	97.23	4.40	NP	--	92.83	--
MW-2	12/15/2014	97.23	4.05	NP	--	93.18	--
MW-2	12/22/2014	97.23	3.78	NP	--	93.45	--
MW-2	12/29/2014	97.23	3.60	NP	--	93.63	--
MW-2	1/5/2015	97.23	2.41	NP	--	94.82	--
MW-2	1/12/2015	97.23	3.80	NP	--	93.43	--
MW-2	1/19/2015	97.23	2.93	NP	--	94.30	--
MW-2	1/26/2015	97.23	3.44	NP	--	93.79	--
MW-2	2/2/2015	97.23	4.18	NP	--	93.05	--
MW-2	2/9/2015	97.23	3.25	NP	--	93.98	--
MW-2	2/16/2015	97.23	3.72	NP	--	93.51	--
MW-2	2/23/2015	97.23	4.22	NP	--	93.01	--
MW-2	3/2/2015	97.23	4.08	NP	--	93.15	--
MW-2	3/9/2015	97.23	4.74	NP	--	92.49	--
MW-2	3/16/2015	97.23	3.24	NP	--	93.99	--
MW-2	3/23/2015	97.23	3.73	NP	--	93.50	--
MW-2	3/30/2015	97.23	4.03	NP	--	93.20	--
MW-2	4/6/2015	97.23	4.72	NP	--	92.51	--
MW-2	4/22/2015	97.23	5.60	NP	--	91.63	--
MW-2	5/4/2015	97.23	5.74	NP	--	91.49	--
MW-2	5/18/2015	97.23	6.15	NP	--	91.08	--
MW-2	6/1/2015	97.23	6.66	NP	--	90.57	--
MW-2	6/15/2015	97.23	7.02	NP	--	90.21	--
MW-2	6/19/2015	97.23	7.15	NP	--	90.08	--
MW-2	6/29/2015	97.23	7.38	NP	--	89.85	--
MW-2	7/13/2015	97.23	7.65	NP	--	89.58	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-2	7/28/2015	97.23	7.96	NP	--	89.27	--
MW-2	8/10/2015	97.23	8.21	NP	--	89.02	--
MW-2	8/24/2015	97.23	8.42	NP	--	88.81	--
MW-2	9/8/2015	97.23	7.52	NP	--	89.71	--
MW-2	9/21/2015	97.23	7.65	NP	--	89.58	--
MW-2	10/5/2015	97.23	7.97	NP	--	89.26	--
MW-2	10/12/2015	97.23	7.90	NP	--	89.33	--
MW-2	10/19/2015	97.23	8.01	NP	--	89.22	--
MW-2	11/2/2015	97.23	5.78	NP	--	91.45	--
MW-2	11/16/2015	97.23	3.78	NP	--	93.45	--
MW-2	11/30/2015	97.23	5.15	NP	--	92.08	--
MW-2	1/18/2016	97.23	4.15	NP	--	93.08	--
MW-2	2/1/2016	97.23	3.45	NP	--	93.78	--
MW-2	2/15/2016	97.23	2.46	NP	--	94.77	--
MW-2	3/7/2016	97.23	4.08	NP	--	93.15	--
MW-2	3/29/2016	97.23	3.64	NP	--	93.59	--
MW-2	4/5/2016	97.23	--	--	--	--	NG
MW-2	4/19/2016	97.23	4.75	NP	--	92.48	--
MW-2	5/10/2016	97.23	5.62	NP	--	91.61	--
MW-2	5/24/2016	97.23	6.02	NP	--	91.21	--
MW-2	6/7/2016	97.23	6.33	NP	--	90.90	--
MW-2	6/21/2016	97.23	5.85	NP	--	91.38	--
MW-2	7/19/2016	97.23	6.92	NP	--	90.31	--
MW-2	8/23/2016	97.23	7.76	NP	--	89.47	--
MW-2	9/20/2016	97.23	7.05	NP	--	90.18	--
MW-2	11/8/2016	97.23	2.03	NP	--	95.20	--
MW-2	12/6/2016	97.23	3.86	NP	--	93.37	--
MW-2	3/21/2017	97.23	3.44	NP	--	93.79	--
MW-2	4/27/2017	97.23	4.71	NP	--	92.52	--
MW-2	5/30/2017	97.23	5.65	NP	--	91.58	--
MW-2	6/27/2017	97.23	6.66	NP	--	90.57	--
MW-2	8/3/2017	97.23	7.67	NP	--	89.56	--
MW-2	8/31/2017	97.23	8.25	NP	--	88.98	--
MW-2	9/26/2017	97.23	8.50	NP	--	88.73	--
MW-2	11/29/2017	97.23	4.46	NP	--	92.77	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-9	2/26/2007	--	7.53	NP	--	--	--
MW-9	5/9/2007	--	8.22	NP	--	--	--
MW-9	7/16/2007	--	9.11	NP	--	--	--
MW-9	8/22/2007	--	--	--	--	--	Dry
MW-9	9/25/2007	--	--	--	--	--	Dry
MW-9	10/25/2007	--	--	--	--	--	Dry
MW-9	11/9/2007	--	--	--	--	--	Dry
MW-9	12/3/2007	--	--	--	--	--	Dry
MW-9	1/17/2008	--	9.08	NP	--	--	--
MW-9	4/7/2008	--	--	--	--	--	Dry
MW-9	7/22/2008	--	--	--	--	--	Dry
MW-9	10/21/2008	--	--	--	--	--	Dry
MW-9	7/6/2009	--	--	--	--	--	Dry
MW-9	3/17/2010	--	--	--	--	--	Dry
MW-9	9/15/2010	--	--	--	--	--	Dry
MW-9	3/4/2011	--	--	--	--	--	Dry
MW-9	8/24/2011	--	--	--	--	--	Dry
MW-9	5/10/2012	--	--	--	--	--	Dry
MW-9	11/15/2012	--	--	--	--	--	Dry
MW-9	3/27/2013	--	7.35	NP	--	--	--
MW-9	12/17/2013	--	--	--	--	--	Dry
MW-9	6/24/2014	--	8.60	NP	--	--	--
MW-9	11/7/2014	--	--	--	--	--	Dry
MW-9	11/8/2014	--	--	--	--	--	Dry
MW-9	11/8/2014	--	--	--	--	--	Dry
MW-9	11/9/2014	--	--	--	--	--	Dry
MW-9	11/10/2014	--	--	--	--	--	Dry
MW-9	11/12/2014	--	9.21	NP	--	--	--
MW-9	11/17/2014	--	--	--	--	--	Dry
MW-9	11/18/2014	--	--	--	--	--	Dry
MW-9	11/19/2014	--	9.06	NP	--	--	--
MW-9	12/1/2014	99.67	8.75	NP	--	90.92	--
MW-9	12/8/2014	99.67	8.55	NP	--	91.12	--
MW-9	12/15/2014	99.67	8.20	NP	--	91.47	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-9	12/22/2014	99.67	7.98	NP	--	91.69	--
MW-9	12/29/2014	99.67	7.58	NP	--	92.09	--
MW-9	1/5/2015	99.67	7.01	NP	--	92.66	--
MW-9	1/12/2015	99.67	6.78	NP	--	92.89	--
MW-9	1/19/2015	99.67	6.85	NP	--	92.82	--
MW-9	1/26/2015	99.67	6.54	NP	--	93.13	--
MW-9	2/2/2015	99.67	6.93	NP	--	92.74	--
MW-9	2/9/2015	99.67	6.67	NP	--	93.00	--
MW-9	2/16/2015	99.67	3.80	NP	--	95.87	--
MW-9	2/23/2015	99.67	7.00	NP	--	92.67	--
MW-9	3/2/2015	99.67	7.14	NP	--	92.53	--
MW-9	3/9/2015	99.67	7.43	NP	--	92.24	--
MW-9	3/16/2015	99.67	7.56	NP	--	92.11	--
MW-9	3/23/2015	99.67	7.29	NP	--	92.38	--
MW-9	3/30/2015	99.67	7.30	NP	--	92.37	--
MW-9	4/6/2015	99.67	7.61	NP	--	92.06	--
MW-9	4/22/2015	99.67	8.15	NP	--	91.52	--
MW-9	5/4/2015	99.67	8.40	NP	--	91.27	--
MW-9	5/18/2015	99.67	8.67	NP	--	91.00	--
MW-9	6/1/2015	99.67	8.99	NP	--	90.68	--
MW-9	6/15/2015	99.67	9.25	NP	--	90.42	--
MW-9	6/19/2015	99.67	9.34	NP	--	90.33	--
MW-9	6/29/2015	99.67	--	--	--	--	Dry
MW-9	7/13/2015	99.67	--	--	--	--	Dry
MW-9	7/28/2015	99.67	--	--	--	--	Dry
MW-9	8/10/2015	99.67	--	--	--	--	Dry
MW-9	8/24/2015	99.67	--	--	--	--	Dry
MW-9	9/8/2015	99.67	--	--	--	--	Dry
MW-9	9/21/2015	99.67	--	--	--	--	Dry
MW-9	10/5/2015	99.67	--	--	--	--	Dry
MW-9	10/12/2015	99.67	--	--	--	--	Dry
MW-9	10/19/2015	99.67	--	--	--	--	Dry
MW-9	11/2/2015	99.67	--	--	--	--	Dry
MW-9	11/16/2015	99.67	--	--	--	--	Dry
MW-9	11/30/2015	99.67	9.32	NP	--	90.35	--

TABLE 1
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Allen Pump Station
16292 Ovenell Road
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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-9	1/18/2016	99.67	7.45	NP	--	92.22	--
MW-9	2/1/2016	99.67	6.90	NP	--	92.77	--
MW-9	2/15/2016	99.67	6.57	NP	--	93.10	--
MW-9	3/7/2016	99.67	6.68	NP	--	92.99	--
MW-9	3/29/2016	99.67	6.82	NP	--	92.85	--
MW-9	4/5/2016	99.67	--	--	--	--	NG
MW-9	4/19/2016	99.67	7.40	NP	--	92.27	--
MW-9	5/10/2016	99.67	8.02	NP	--	91.65	--
MW-9	5/24/2016	99.67	8.40	NP	--	91.27	--
MW-9	6/7/2016	99.67	8.69	NP	--	90.98	--
MW-9	6/21/2016	99.67	8.90	NP	--	90.77	--
MW-9	7/19/2016	99.67	--	--	--	--	Dry
MW-9	8/23/2016	99.67	--	--	--	--	Dry
MW-9	9/20/2016	99.67	--	--	--	--	Dry
MW-9	11/8/2016	99.67	--	--	--	--	Dry
MW-9	12/6/2016	99.67	--	--	--	--	Dry
MW-9	3/21/2017	99.67	6.69	NP	--	92.98	Dry
MW-9	4/27/2017	99.67	7.47	NP	--	92.20	Dry
MW-9	5/30/2017	99.67	8.20	NP	--	91.47	Dry
MW-9	6/28/2017	99.67	8.93	NP	--	90.74	Dry
MW-9	8/3/2017	99.67	--	--	--	--	Dry
MW-9	8/31/2017	99.67	--	--	--	--	Dry
MW-9	11/29/2017	99.67	--	--	--	--	Dry
MW-12	6/23/1992	101.10	7.95	NP	--	93.15	--
MW-12	7/2/1992	101.10	7.77	NP	--	93.33	--
MW-12	8/17/1992	101.10	8.20	NP	--	92.90	--
MW-12	9/30/1992	101.10	8.61	NP	--	92.49	--
MW-12	10/30/1992	101.10	8.18	NP	--	92.92	--
MW-12	11/30/1992	101.10	3.22	NP	--	97.88	--
MW-12	4/16/1993	101.10	4.64	NP	--	96.46	--
MW-12	10/3/2000	101.10	--	--	--	--	Dry
MW-12	2/28/2001	101.10	6.28	NP	--	94.82	--
MW-12	5/30/2001	101.10	7.51	NP	--	93.59	--
MW-12	8/22/2001	101.10	--	--	--	--	Dry

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-12	11/21/2001	101.10	6.10	NP	--	95.00	--
MW-12	2/20/2002	101.10	5.53	NP	--	95.57	--
MW-12	5/16/2002	101.10	6.65	NP	--	94.45	--
MW-12	8/2/2002	101.10	8.55	NP	--	92.55	--
MW-12	12/19/2002	101.10	8.21	NP	--	92.89	--
MW-12	5/19/2003	101.10	7.66	NP	--	93.44	--
MW-12	11/13/2003	101.10	6.31	NP	--	94.79	--
MW-12	6/4/2004	101.10	6.87	NP	--	94.23	--
MW-12	10/7/2004	101.10	7.66	NP	--	93.44	--
MW-12	4/28/2005	101.10	5.88	NP	--	95.22	--
MW-12	11/16/2005	101.10	5.62	NP	--	95.48	--
MW-12	6/13/2006	101.10	7.17	NP	--	93.93	--
MW-12	2/26/2007	101.10	3.76	NP	--	97.34	--
MW-12	5/9/2007	101.10	7.21	NP	--	93.89	--
MW-12	7/16/2007	101.10	8.68	NP	--	92.42	--
MW-12	8/22/2007	101.10	9.19	NP	--	91.91	--
MW-12	9/25/2007	101.10	9.50	NP	--	91.60	--
MW-12	10/25/2007	101.10	6.79	NP	--	94.31	--
MW-12	11/9/2007	101.10	7.79	NP	--	93.31	--
MW-12	12/3/2007	101.10	6.80	NP	--	94.30	--
MW-12	1/17/2008	101.10	4.52	NP	--	96.58	--
MW-12	4/7/2008	101.10	4.95	NP	--	96.15	--
MW-12	7/22/2008	101.10	8.16	NP	--	92.94	--
MW-12	10/21/2008	101.10	8.99	NP	--	92.11	--
MW-12	1/20/2009	101.10	4.80	NP	--	96.30	--
MW-12	7/6/2009	101.10	8.76	NP	--	92.34	--
MW-12	3/17/2010	101.10	6.33	NP	--	94.77	--
MW-12	9/15/2010	101.10	8.36	NP	--	92.74	--
MW-12	3/4/2011	101.10	4.48	NP	--	96.62	--
MW-12	8/24/2011	101.10	8.42	NP	--	92.68	--
MW-12	5/10/2012	101.10	5.05	NP	--	96.05	--
MW-12	11/15/2012	101.10	6.37	NP	--	94.73	--
MW-12	3/27/2013	101.10	5.40	NP	--	95.70	--
MW-12	12/17/2013	101.10	6.87	NP	--	94.23	--
MW-12	6/24/2014	101.10	7.45	NP	--	93.65	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-12	11/7/2014	101.10	4.30	NP	--	96.80	--
MW-12	11/8/2014	101.10	4.76	NP	--	96.34	--
MW-12	11/8/2014	101.10	4.76	NP	--	96.34	--
MW-12	11/9/2014	101.10	4.45	NP	--	96.65	--
MW-12	11/10/2014	101.10	4.79	NP	--	96.31	--
MW-12	11/12/2014	101.10	5.25	NP	--	95.85	--
MW-12	11/18/2014	101.10	6.16	NP	--	94.94	--
MW-12	11/19/2014	101.10	6.21	NP	--	94.89	--
MW-12	12/1/2014	98.46	4.65	NP	--	93.81	--
MW-12	12/8/2014	98.46	4.80	NP	--	93.66	--
MW-12	12/15/2014	98.46	4.44	NP	--	94.02	--
MW-12	12/22/2014	98.46	4.38	NP	--	94.08	--
MW-12	12/29/2014	98.46	4.13	NP	--	94.33	--
MW-12	1/5/2015	98.46	2.93	NP	--	95.53	--
MW-12	1/12/2015	98.46	4.44	NP	--	94.02	--
MW-12	1/19/2015	98.46	3.74	NP	--	94.72	--
MW-12	1/26/2015	98.46	3.91	NP	--	94.55	--
MW-12	2/2/2015	98.46	4.92	NP	--	93.54	--
MW-12	2/9/2015	98.46	3.79	NP	--	94.67	--
MW-12	2/16/2015	98.46	4.35	NP	--	94.11	--
MW-12	2/23/2015	98.46	4.97	NP	--	93.49	--
MW-12	3/2/2015	98.46	4.70	NP	--	93.76	--
MW-12	3/9/2015	98.46	5.63	NP	--	92.83	--
MW-12	3/16/2015	98.46	4.28	NP	--	94.18	--
MW-12	3/23/2015	98.46	4.22	NP	--	94.24	--
MW-12	3/30/2015	98.46	4.56	NP	--	93.90	--
MW-12	4/6/2015	98.46	5.63	NP	--	92.83	--
MW-12	4/22/2015	98.46	6.77	NP	--	91.69	--
MW-12	5/4/2015	98.46	6.90	NP	--	91.56	--
MW-12	5/18/2015	98.46	7.38	NP	--	91.08	--
MW-12	6/1/2015	98.46	7.96	NP	--	90.50	--
MW-12	6/15/2015	98.46	8.36	NP	--	90.10	--
MW-12	6/19/2015	98.46	8.50	NP	--	89.96	--
MW-12	6/29/2015	98.46	8.73	NP	--	89.73	--
MW-12	7/13/2015	98.46	9.03	NP	--	89.43	--

TABLE 1
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Allen Pump Station
16292 Ovenell Road
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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-12	7/28/2015	98.46	9.33	NP	--	89.13	--
MW-12	8/10/2015	98.46	9.59	NP	--	88.87	--
MW-12	8/24/2015	98.46	--	--	--	--	Dry
MW-12	9/8/2015	98.46	8.85	NP	--	89.61	--
MW-12	9/21/2015	98.46	9.12	NP	--	89.34	--
MW-12	10/5/2015	98.46	9.25	NP	--	89.21	--
MW-12	10/12/2015	98.46	9.24	NP	--	89.22	--
MW-12	10/19/2015	98.46	9.21	NP	--	89.25	--
MW-12	11/2/2015	98.46	7.50	NP	--	90.96	--
MW-12	11/16/2015	98.46	4.12	NP	--	94.34	--
MW-12	11/30/2015	98.46	5.63	NP	--	92.83	--
MW-12	1/18/2016	98.46	4.82	NP	--	93.64	--
MW-12	2/1/2016	98.46	4.06	NP	--	94.40	--
MW-12	2/15/2016	98.46	3.00	NP	--	95.46	--
MW-12	3/7/2016	98.46	5.02	NP	--	93.44	--
MW-12	3/29/2016	98.46	4.27	NP	--	94.19	--
MW-12	4/5/2016	98.46	--	--	--	--	NG
MW-12	4/19/2016	98.46	5.69	NP	--	92.77	--
MW-12	5/10/2016	98.46	6.86	NP	--	91.60	--
MW-12	5/24/2016	98.46	7.23	NP	--	91.23	--
MW-12	6/7/2016	98.46	7.53	NP	--	90.93	--
MW-12	6/21/2016	98.46	6.99	NP	--	91.47	--
MW-12	7/19/2016	98.46	8.19	NP	--	90.27	--
MW-12	8/23/2016	98.46	9.08	NP	--	89.38	--
MW-12	9/20/2016	98.46	8.28	NP	--	90.18	--
MW-12	11/8/2016	98.46	4.54	NP	--	93.92	--
MW-12	12/6/2016	98.46	4.43	NP	--	94.03	--
MW-12	3/21/2017	98.46	4.03	NP	--	94.43	--
MW-12	4/27/2017	98.46	5.71	NP	--	92.75	--
MW-12	5/30/2017	98.46	6.81	NP	--	91.65	--
MW-12	6/28/2017	98.46	7.94	NP	--	90.52	--
MW-12	8/3/2017	98.46	9.00	NP	--	89.46	--
MW-12	8/31/2017	98.46	9.59	NP	--	88.87	--
MW-12	11/29/2017	98.46	4.99	NP	--	93.47	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
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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-14	6/23/1992	99.36	6.25	NP	--	93.11	--
MW-14	7/2/1992	99.36	5.95	NP	--	93.41	--
MW-14	8/17/1992	99.36	6.46	NP	--	92.90	--
MW-14	9/30/1992	99.36	6.80	6.70	0.10	92.63	--
MW-14	10/30/1992	99.36	6.47	NP	--	92.89	--
MW-14	11/30/1992	99.36	3.75	3.74	0.01	95.62	--
MW-14	4/16/1993	99.36	4.73	4.71	0.02	94.64	--
MW-14	10/3/2000	99.36	7.54	7.51	0.03	91.84	--
MW-14	2/28/2001	99.36	5.22	4.96	0.26	94.34	--
MW-14	5/30/2001	99.36	6.09	NP	--	93.27	--
MW-14	8/22/2001	99.36	7.72	7.62	0.10	91.72	--
MW-14	11/21/2001	99.36	4.71	NP	--	94.65	--
MW-14	2/20/2002	99.36	4.35	4.18	0.17	95.14	--
MW-14	5/16/2002	99.36	5.14	NP	--	94.22	--
MW-14	8/2/2002	99.36	6.98	NP	--	92.38	--
MW-14	12/19/2002	99.36	6.66	6.64	0.02	92.72	--
MW-14	5/19/2003	99.36	6.03	6.02	0.01	93.34	--
MW-14	11/13/2003	99.36	6.27	6.26	0.01	93.10	--
MW-14	6/4/2004	99.36	5.57	NP	--	93.79	--
MW-14	10/7/2004	99.36	6.27	NP	--	93.09	--
MW-14	4/28/2005	99.36	4.53	NP	--	94.83	--
MW-14	11/16/2005	99.36	4.32	NP	--	95.04	--
MW-14	6/13/2006	99.36	5.94	NP	--	93.42	--
MW-14	2/26/2007	99.36	2.50	NP	--	96.86	--
MW-14	5/9/2007	99.36	6.68	NP	--	92.68	--
MW-14	7/16/2007	99.36	7.06	NP	--	92.30	--
MW-14	8/22/2007	99.36	7.58	NP	--	91.78	--
MW-14	9/25/2007	99.36	7.90	NP	--	91.46	--
MW-14	10/25/2007	99.36	5.25	NP	--	94.11	--
MW-14	11/9/2007	99.36	6.24	NP	--	93.12	--
MW-14	12/3/2007	99.36	5.17	NP	--	94.19	--
MW-14	1/17/2008	99.36	3.10	NP	--	96.26	--
MW-14	4/7/2008	99.36	3.41	NP	--	95.95	--
MW-14	7/22/2008	99.36	6.64	NP	--	92.72	--
MW-14	10/21/2008	99.36	7.42	NP	--	91.94	--

TABLE 1
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Allen Pump Station
16292 Ovenell Road
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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-14	1/20/2009	99.36	3.29	NP	--	96.07	--
MW-14	7/6/2009	99.36	7.21	NP	--	92.15	--
MW-14	3/17/2010	99.36	4.61	NP	--	94.75	--
MW-14	9/15/2010	99.36	6.76	NP	--	92.60	--
MW-14	3/4/2011	99.36	2.81	NP	--	96.55	--
MW-14	8/24/2011	99.36	6.74	NP	--	92.62	--
MW-14	5/10/2012	99.36	--	--	--	--	WD
MW-14	11/15/2012	99.36	--	--	--	--	Dry
MW-14	3/27/2013	99.36	--	--	--	--	Dry
MW-14	12/17/2013	99.36	4.00	NP	--	95.36	--
MW-14	6/24/2014	99.36	4.53	NP	--	94.83	--
MW-14	11/7/2014	99.36	1.34	NP	--	98.02	--
MW-14	11/8/2014	99.36	2.01	NP	--	97.35	--
MW-14	11/8/2014	99.36	2.01	NP	--	97.35	--
MW-14	11/9/2014	99.36	1.64	NP	--	97.72	--
MW-14	11/10/2014	99.36	1.98	NP	--	97.38	--
MW-14	11/18/2014	99.36	3.27	NP	--	96.09	--
MW-14	11/19/2014	99.36	3.32	NP	--	96.04	--
MW-14	12/1/2014	99.36	1.80	NP	--	97.56	--
MW-14	12/8/2014	99.36	1.90	NP	--	97.46	--
MW-14	12/15/2014	99.36	1.59	NP	--	97.77	--
MW-14	12/22/2014	99.36	1.68	NP	--	97.68	--
MW-14	12/29/2014	99.36	1.35	NP	--	98.01	--
MW-14	1/5/2015	99.36	0.65	NP	--	98.71	--
MW-14	1/12/2015	99.36	1.28	NP	--	98.08	--
MW-14	1/19/2015	99.36	1.32	NP	--	98.04	--
MW-14	1/26/2015	99.36	1.29	NP	--	98.07	--
MW-14	2/2/2015	99.36	2.03	NP	--	97.33	--
MW-14	2/9/2015	99.36	1.29	NP	--	98.07	--
MW-14	2/16/2015	99.36	1.42	NP	--	97.94	--
MW-14	2/23/2015	99.36	2.09	NP	--	97.27	--
MW-14	3/2/2015	99.36	1.82	NP	--	97.54	--
MW-14	3/9/2015	99.36	2.73	NP	--	96.63	--
MW-14	3/16/2015	99.36	1.31	NP	--	98.05	--
MW-14	3/23/2015	99.36	1.36	NP	--	98.00	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-14	3/30/2015	99.36	1.69	NP	--	97.67	--
MW-14	4/6/2015	99.36	2.71	NP	--	96.65	--
MW-14	4/22/2015	99.36	3.81	NP	--	95.55	--
MW-14	5/4/2015	99.36	3.98	NP	--	95.38	--
MW-14	5/18/2015	99.36	4.43	NP	--	94.93	--
MW-14	6/1/2015	99.36	4.99	NP	--	94.37	--
MW-14	6/15/2015	99.36	5.35	NP	--	94.01	--
MW-14	6/19/2015	99.36	5.46	NP	--	93.90	--
MW-14	6/29/2015	99.36	5.72	NP	--	93.64	--
MW-14	7/13/2015	99.36	6.06	NP	--	93.30	--
MW-14	7/28/2015	99.36	6.34	NP	--	93.02	--
MW-14	8/10/2015	99.36	--	--	--	--	Dry
MW-14	8/24/2015	99.36	--	--	--	--	Dry
MW-14	9/8/2015	99.36	5.87	NP	--	93.49	--
MW-14	9/21/2015	99.36	5.47	NP	--	93.89	--
MW-14	10/5/2015	99.36	6.25	NP	--	93.11	--
MW-14	10/12/2015	99.36	6.17	NP	--	93.19	--
MW-14	10/19/2015	99.36	6.26	NP	--	93.10	--
MW-14	11/2/2015	99.36	4.48	NP	--	94.88	--
MW-14	11/16/2015	99.36	1.32	NP	--	98.04	--
MW-14	11/30/2015	99.36	2.84	NP	--	96.52	--
MW-14	1/18/2016	99.36	1.94	NP	--	97.42	--
MW-14	2/1/2016	99.36	1.31	NP	--	98.05	--
MW-14	2/15/2016	99.36	0.60	NP	--	98.76	--
MW-14	3/7/2016	99.36	2.13	NP	--	97.23	--
MW-14	3/29/2016	99.36	1.42	NP	--	97.94	--
MW-14	4/5/2016	99.36	--	--	--	--	NG
MW-14	4/19/2016	99.36	2.80	NP	--	96.56	--
MW-14	5/10/2016	99.36	3.92	NP	--	95.44	--
MW-14	5/24/2016	99.36	4.27	NP	--	95.09	--
MW-14	6/7/2016	99.36	4.56	NP	--	94.80	--
MW-14	6/21/2016	99.36	4.09	NP	--	95.27	--
MW-14	7/19/2016	99.36	5.20	NP	--	94.16	--
MW-14	8/23/2016	99.36	6.10	NP	--	93.26	--
MW-14	9/20/2016	99.36	5.25	NP	--	94.11	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-14	11/8/2016	99.36	1.64	NP	--	97.72	--
MW-14	12/6/2016	99.36	1.52	NP	--	97.84	--
MW-14	3/21/2017	99.36	1.15	NP	--	98.21	--
MW-14	4/27/2017	99.36	2.72	NP	--	96.64	--
MW-14	5/30/2017	99.36	3.84	NP	--	95.52	--
MW-14	6/27/2017	99.36	4.94	NP	--	94.42	--
MW-14	8/3/2017	99.36	6.02	NP	--	93.34	--
MW-14	8/31/2017	99.36	6.59	NP	--	92.77	--
MW-14	9/26/2017	99.36	6.80	NP	--	92.56	--
MW-14	11/29/2017	99.36	2.21	NP	--	97.15	--
MW-17A	4/28/2005	101.53	5.52	NP	--	96.01	--
MW-17A	11/16/2005	101.53	7.63	NP	--	93.90	--
MW-17A	6/13/2006	101.53	7.05	NP	--	94.48	--
MW-17A	2/26/2007	101.53	4.98	NP	--	96.55	--
MW-17A	5/9/2007	101.53	6.63	NP	--	94.90	--
MW-17A	7/16/2007	101.53	7.98	NP	--	93.55	--
MW-17A	8/22/2007	101.53	8.55	NP	--	92.98	--
MW-17A	9/25/2007	101.53	8.93	NP	--	92.60	--
MW-17A	10/25/2007	101.53	7.88	NP	--	93.65	--
MW-17A	11/9/2007	101.53	7.95	NP	--	93.58	--
MW-17A	12/3/2007	101.53	7.53	NP	--	94.00	--
MW-17A	1/17/2008	101.53	5.95	NP	--	95.58	--
MW-17A	4/7/2008	101.53	5.42	NP	--	96.11	--
MW-17A	7/22/2008	101.53	7.66	NP	--	93.87	--
MW-17A	10/21/2008	101.53	8.75	NP	--	92.78	--
MW-17A	1/20/2009	101.53	5.14	NP	--	96.39	--
MW-17A	7/6/2009	101.53	8.11	NP	--	93.42	--
MW-17A	3/17/2010	101.53	6.58	NP	--	94.95	--
MW-17A	9/15/2010	101.53	8.20	NP	--	93.33	--
MW-17A	3/4/2011	101.53	4.99	NP	--	96.54	--
MW-17A	8/24/2011	101.53	8.11	NP	--	93.42	--
MW-17A	5/10/2012	101.53	5.25	NP	--	96.28	--
MW-17A	11/15/2012	101.53	7.82	NP	--	93.71	--
MW-17A	3/27/2013	101.53	5.59	NP	--	95.94	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-17A	12/17/2013	101.53	7.42	NP	--	94.11	--
MW-17A	6/24/2014	101.53	7.07	NP	--	94.46	--
MW-17A	11/6/2014	101.53	6.68	NP	--	94.85	--
MW-17A	11/7/2014	101.53	6.60	NP	--	94.93	--
MW-17A	11/8/2014	101.53	7.65	NP	--	93.88	--
MW-17A	11/8/2014	101.53	7.59	NP	--	93.94	--
MW-17A	11/9/2014	101.53	6.57	NP	--	94.96	--
MW-17A	11/10/2014	101.53	6.50	NP	--	95.03	--
MW-17A	11/10/2014	101.53	6.47	NP	--	95.06	--
MW-17A	11/10/2014	101.53	6.45	NP	--	95.08	--
MW-17A	11/10/2014	101.53	6.50	NP	--	95.03	--
MW-17A	11/10/2014	101.53	6.50	NP	--	95.03	--
MW-17A	11/11/2014	101.53	6.51	NP	--	95.02	--
MW-17A	11/11/2014	101.53	6.51	NP	--	95.02	--
MW-17A	11/12/2014	101.53	6.51	NP	--	95.02	--
MW-17A	11/13/2014	101.53	6.56	NP	--	94.97	--
MW-17A	11/14/2014	101.53	6.68	NP	--	94.85	--
MW-17A	11/17/2014	101.53	6.80	NP	--	94.73	--
MW-17A	11/18/2014	101.53	6.85	NP	--	94.68	--
MW-17A	11/19/2014	101.53	6.85	NP	--	94.68	--
MW-17A	12/1/2014	98.54	6.16	NP	--	92.38	--
MW-17A	12/8/2014	98.54	6.25	NP	--	92.29	--
MW-17A	12/15/2014	98.54	5.75	NP	--	92.79	--
MW-17A	12/22/2014	98.54	5.75	NP	--	92.79	--
MW-17A	12/29/2014	98.54	5.40	NP	--	93.14	--
MW-17A	1/5/2015	98.54	5.42	NP	--	93.12	--
MW-17A	1/12/2015	98.54	5.16	NP	--	93.38	--
MW-17A	1/14/2015	98.54	5.16	NP	--	93.38	--
MW-17A	1/19/2015	98.54	5.32	NP	--	93.22	--
MW-17A	1/26/2015	98.54	4.89	NP	--	93.65	--
MW-17A	2/2/2015	98.54	5.40	NP	--	93.14	--
MW-17A	2/9/2015	98.54	4.92	NP	--	93.62	--
MW-17A	2/16/2015	98.54	4.97	NP	--	93.57	--
MW-17A	2/23/2015	98.54	5.48	NP	--	93.06	--
MW-17A	3/2/2015	98.54	5.47	NP	--	93.07	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-17A	3/9/2015	98.54	5.87	NP	--	92.67	--
MW-17A	3/16/2015	98.54	5.90	NP	--	92.64	--
MW-17A	3/23/2015	98.54	5.43	NP	--	93.11	--
MW-17A	3/30/2015	98.54	5.40	NP	--	93.14	--
MW-17A	4/6/2015	98.54	5.84	NP	--	92.70	--
MW-17A	4/22/2015	98.54	6.54	NP	--	92.00	--
MW-17A	5/4/2015	98.54	6.77	NP	--	91.77	--
MW-17A	5/18/2015	98.54	7.10	NP	--	91.44	--
MW-17A	6/1/2015	98.54	7.58	NP	--	90.96	--
MW-17A	6/15/2015	98.54	7.86	NP	--	90.68	--
MW-17A	6/19/2015	98.54	7.93	NP	--	90.61	--
MW-17A	6/29/2015	98.54	8.30	NP	--	90.24	--
MW-17A	7/13/2015	98.54	8.44	NP	--	90.10	--
MW-17A	8/24/2015	98.54	--	--	--	--	NG
MW-17A	9/8/2015	98.54	--	--	--	--	NG
MW-17A	9/21/2015	98.54	--	--	--	--	Dry
MW-17A	10/5/2015	98.54	--	--	--	--	Dry
MW-17A	10/12/2015	98.54	--	--	--	--	Dry
MW-17A	10/19/2015	98.54	--	--	--	--	Dry
MW-17A	11/2/2015	98.54	--	--	--	--	Dry
MW-17A	11/16/2015	98.54	8.64	NP	--	89.90	--
MW-17A	11/30/2015	98.54	--	--	--	--	NG
MW-17A	1/18/2016	98.54	6.45	NP	--	92.09	--
MW-17A	2/1/2016	98.54	5.58	NP	--	92.96	--
MW-17A	2/15/2016	98.54	2.91	NP	--	95.63	--
MW-17A	3/7/2016	98.54	4.70	NP	--	93.84	--
MW-17A	3/29/2016	98.54	5.75	NP	--	92.79	--
MW-17A	4/5/2016	98.54	--	--	--	--	NG
MW-17A	4/19/2016	98.54	6.70	NP	--	91.84	--
MW-17A	5/10/2016	98.54	7.47	NP	--	91.07	--
MW-17A	5/24/2016	98.54	7.86	NP	--	90.68	--
MW-17A	6/7/2016	98.54	8.18	NP	--	90.36	--
MW-17A	6/21/2016	98.54	7.99	NP	--	90.55	--
MW-17A	7/19/2016	98.54	8.77	NP	--	89.77	--
MW-17A	8/23/2016	98.54	--	--	--	--	Dry

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-17A	9/20/2016	98.54	--	--	--	--	Dry
MW-17A	11/8/2016	98.54	7.21	NP	--	91.33	--
MW-17A	12/6/2016	98.54	--	--	--	--	--
MW-17A	3/21/2017	98.54	3.44	NP	--	95.10	Dry
MW-17A	4/27/2017	98.54	6.52	NP	--	92.02	Dry
MW-17A	5/30/2017	98.54	7.36	NP	--	91.18	Dry
MW-17A	6/28/2017	98.54	8.40	NP	--	90.14	Dry
MW-17A	8/3/2017	98.54	--	--	--	--	Dry
MW-17A	8/31/2017	98.54	--	--	--	--	Dry
MW-17A	9/26/2017	98.54	--	--	--	--	Dry
MW-17A	11/29/2017	98.54	2.27	NP	--	96.27	--
MW-18	12/17/2013	97.08	5.92	NP	--	91.16	--
MW-18	6/24/2014	97.08	5.50	NP	--	91.58	--
MW-18	11/6/2014	97.08	5.21	NP	--	91.87	--
MW-18	11/7/2014	97.08	5.25	NP	--	91.83	--
MW-18	11/8/2014	97.08	--	--	--	--	NG
MW-18	11/8/2014	97.08	--	--	--	--	NG
MW-18	11/9/2014	97.08	6.80	4.25	2.55	92.19	--
MW-18	11/10/2014	97.08	7.60	4.51	3.09	91.80	--
MW-18	11/10/2014	97.08	7.62	4.49	3.13	91.81	--
MW-18	11/10/2014	97.08	7.63	4.45	3.18	91.84	--
MW-18	11/10/2014	97.08	7.60	4.45	3.15	91.84	--
MW-18	11/10/2014	97.08	7.36	4.39	2.97	91.95	--
MW-18	11/11/2014	97.08	7.67	4.50	3.17	91.79	--
MW-18	11/11/2014	97.08	7.85	4.55	3.30	91.70	--
MW-18	11/12/2014	97.08	7.80	4.50	3.30	91.75	--
MW-18	11/13/2014	97.08	6.85	5.45	1.40	91.28	--
MW-18	11/14/2014	97.08	6.90	5.60	1.30	91.15	--
MW-18	11/17/2014	97.08	6.65	5.55	1.10	91.26	--
MW-18	11/18/2014	97.08	6.05	5.87	0.18	91.17	--
MW-18	11/19/2014	97.08	5.98	5.91	0.07	91.15	--
MW-18	12/1/2014	97.08	4.96	NP	--	92.12	--
MW-18	12/8/2014	97.08	4.92	4.91	0.01	92.17	--
MW-18	12/15/2014	97.08	4.52	NP	--	92.56	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-18	12/22/2014	97.08	4.49	NP	--	92.59	--
MW-18	12/29/2014	97.08	4.12	NP	--	92.96	--
MW-18	1/5/2015	97.08	3.65	NP	--	93.43	--
MW-18	1/12/2015	97.08	3.73	NP	--	93.35	--
MW-18	1/13/2015	97.08	3.73	NP	--	93.35	--
MW-18	1/19/2015	97.08	3.73	NP	--	93.35	--
MW-18	1/26/2015	97.08	3.54	NP	--	93.54	--
MW-18	2/2/2015	97.08	3.99	NP	--	93.09	--
MW-18	2/9/2015	97.08	3.52	NP	--	93.56	--
MW-18	2/16/2015	97.08	3.59	NP	--	93.49	--
MW-18	2/23/2015	97.08	4.05	NP	--	93.03	--
MW-18	3/2/2015	97.08	4.10	NP	--	92.98	--
MW-18	3/9/2015	97.08	4.50	NP	--	92.58	--
MW-18	3/16/2015	97.08	4.36	NP	--	92.72	--
MW-18	3/23/2015	97.08	4.11	NP	--	92.97	--
MW-18	3/30/2015	97.08	4.10	NP	--	92.98	--
MW-18	4/6/2015	97.08	5.57	NP	--	91.51	--
MW-18	4/22/2015	97.08	5.21	NP	--	91.87	--
MW-18	5/4/2015	97.08	5.58	5.54	0.04	91.53	--
MW-18	5/18/2015	97.08	5.95	5.93	0.02	91.15	--
MW-18	6/1/2015	97.08	6.46	NP	--	90.62	--
MW-18	6/15/2015	97.08	6.79	6.76	0.03	90.31	--
MW-18	6/19/2015	97.08	6.82	6.81	0.01	90.27	--
MW-18	6/29/2015	97.08	7.11	7.10	0.01	89.98	--
MW-18	7/13/2015	97.08	7.47	7.42	0.05	89.65	--
MW-18	7/28/2015	97.08	7.76	7.75	0.01	89.33	--
MW-18	8/10/2015	97.08	7.98	7.97	0.01	89.11	--
MW-18	8/24/2015	97.08	8.20	8.18	0.02	88.90	--
MW-18	9/8/2015	97.08	7.61	NP	--	89.47	--
MW-18	9/21/2015	97.08	7.71	NP	--	89.37	--
MW-18	10/5/2015	97.08	--	--	--	--	NG
MW-18	10/12/2015	97.08	--	--	--	--	NG
MW-18	10/19/2015	97.08	8.05	NP	--	89.03	--
MW-18	11/2/2015	97.08	7.77	NP	--	89.31	--
MW-18	11/16/2015	97.08	6.85	NP	--	90.23	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
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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-18	11/30/2015	97.08	6.49	NP	--	90.59	--
MW-18	1/18/2016	97.08	3.97	NP	--	93.11	--
MW-18	2/1/2016	97.08	--	--	--	--	NG
MW-18	2/15/2016	97.08	--	--	--	--	WI
MW-18	3/7/2016	97.08	--	--	--	--	WI
MW-18	3/29/2016	97.08	3.33	NP	--	93.75	--
MW-18	4/5/2016	97.08	3.65	NP	--	93.43	--
MW-18	4/19/2016	97.08	4.31	NP	--	92.77	--
MW-18	5/10/2016	97.08	5.36	5.35	0.01	91.73	--
MW-18	5/24/2016	97.08	5.56	NP	--	91.52	--
MW-18	6/7/2016	97.08	5.90	NP	--	91.18	--
MW-18	6/21/2016	97.08	5.80	NP	--	91.28	--
MW-18	7/19/2016	97.08	6.59	NP	--	90.49	--
MW-18	8/23/2016	97.08	7.45	NP	--	89.63	--
MW-18	9/20/2016	97.08	7.12	NP	--	89.96	--
MW-18	11/8/2016	97.08	5.12	NP	--	91.96	--
MW-18	12/6/2016	97.08	4.18	NP	--	92.90	--
MW-18	3/21/2017	97.08	2.90	NP	--	94.18	--
MW-18	4/27/2017	97.08	4.18	NP	--	92.90	--
MW-18	5/30/2017	97.08	5.08	NP	--	92.00	--
MW-18	6/28/2017	97.08	6.14	NP	--	90.94	--
MW-18	8/3/2017	97.08	7.23	NP	--	89.85	--
MW-18	8/31/2017	97.08	7.86	NP	--	89.22	--
MW-18	9/26/2017	97.08	8.17	NP	--	88.91	--
MW-18	11/29/2017	97.08	5.42	NP	--	91.66	--
MW-19	12/17/2013	97.69	4.56	NP	--	93.13	--
MW-19	6/24/2014	97.69	6.25	NP	--	91.44	--
MW-19	11/6/2014	97.69	2.14	NP	--	95.55	--
MW-19	11/7/2014	97.69	2.20	NP	--	95.49	--
MW-19	11/8/2014	97.69	2.37	NP	--	95.32	--
MW-19	11/8/2014	97.69	2.41	NP	--	95.28	--
MW-19	11/9/2014	97.69	2.14	NP	--	95.55	--
MW-19	11/10/2014	97.69	2.91	NP	--	94.78	--
MW-19	11/10/2014	97.69	2.89	NP	--	94.80	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-19	11/10/2014	97.69	2.84	NP	--	94.85	--
MW-19	11/10/2014	97.69	2.84	NP	--	94.85	--
MW-19	11/10/2014	97.69	2.83	NP	--	94.86	--
MW-19	11/11/2014	97.69	3.19	NP	--	94.50	--
MW-19	11/11/2014	97.69	2.91	NP	--	94.78	--
MW-19	11/12/2014	97.69	2.90	NP	--	94.79	--
MW-19	11/13/2014	97.69	3.00	NP	--	94.69	--
MW-19	11/14/2014	97.69	3.30	NP	--	94.39	--
MW-19	11/17/2014	97.69	3.70	NP	--	93.99	--
MW-19	11/18/2014	97.69	3.78	NP	--	93.91	--
MW-19	11/19/2014	97.69	3.83	NP	--	93.86	--
MW-19	12/1/2014	96.50	2.26	NP	--	94.24	--
MW-19	12/8/2014	96.50	2.50	NP	--	94.00	--
MW-19	12/15/2014	96.50	2.03	NP	--	94.47	--
MW-19	12/22/2014	96.50	2.18	NP	--	94.32	--
MW-19	12/29/2014	96.50	1.88	NP	--	94.62	--
MW-19	1/5/2015	96.50	1.00	NP	--	95.50	--
MW-19	1/12/2015	96.50	2.16	NP	--	94.34	--
MW-19	1/15/2015	96.50	2.16	NP	--	94.34	--
MW-19	1/19/2015	96.50	2.04	NP	--	94.46	--
MW-19	1/26/2015	96.50	1.78	NP	--	94.72	--
MW-19	2/2/2015	96.50	2.42	2.39	0.03	94.10	--
MW-19	2/9/2015	96.50	1.67	NP	--	94.83	--
MW-19	2/16/2015	96.50	2.01	NP	--	94.49	--
MW-19	2/23/2015	96.50	2.52	2.49	0.03	94.00	--
MW-19	3/2/2015	96.50	2.37	2.35	0.02	94.15	--
MW-19	3/9/2015	96.50	3.08	NP	--	93.42	--
MW-19	3/16/2015	96.50	2.32	NP	--	94.18	--
MW-19	3/23/2015	96.50	2.01	NP	--	94.49	--
MW-19	3/30/2015	96.50	2.23	NP	--	94.27	--
MW-19	4/6/2015	96.50	3.07	NP	--	93.43	--
MW-19	4/7/2015	96.50	3.25	NP	--	93.25	--
MW-19	4/22/2015	96.50	4.34	NP	--	92.16	--
MW-19	5/4/2015	96.50	4.51	NP	--	91.99	--
MW-19	5/18/2015	96.50	5.05	NP	--	91.45	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-19	6/1/2015	96.50	5.74	NP	--	90.76	--
MW-19	6/15/2015	96.50	6.15	NP	--	90.35	--
MW-19	6/19/2015	96.50	6.28	NP	--	90.22	--
MW-19	6/29/2015	96.50	6.53	NP	--	89.97	--
MW-19	7/13/2015	96.50	6.83	NP	--	89.67	--
MW-19	7/28/2015	96.50	7.11	NP	--	89.39	--
MW-19	8/10/2015	96.50	7.34	NP	--	89.16	--
MW-19	8/24/2015	96.50	7.52	NP	--	88.98	--
MW-19	9/8/2015	96.50	7.29	NP	--	89.21	--
MW-19	9/21/2015	96.50	7.08	NP	--	89.42	--
MW-19	10/5/2015	96.50	7.12	NP	--	89.38	--
MW-19	10/12/2015	96.50	7.13	NP	--	89.37	--
MW-19	10/19/2015	96.50	7.16	NP	--	89.34	--
MW-19	11/2/2015	96.50	6.53	NP	--	89.97	--
MW-19	11/16/2015	96.50	2.50	NP	--	94.00	--
MW-19	11/30/2015	96.50	3.41	NP	--	93.09	--
MW-19	1/18/2016	96.50	2.55	NP	--	93.95	--
MW-19	2/1/2016	96.50	2.02	NP	--	94.48	--
MW-19	2/15/2016	96.50	1.06	NP	--	95.44	--
MW-19	3/7/2016	96.50	2.60	NP	--	93.90	--
MW-19	3/29/2016	96.50	2.10	NP	--	94.40	--
MW-19	4/5/2016	96.50	2.25	NP	--	94.25	--
MW-19	4/19/2016	96.50	3.32	3.30	0.02	93.20	--
MW-19	5/10/2016	96.50	4.51	NP	--	91.99	--
MW-19	5/24/2016	96.50	5.02	NP	--	91.48	--
MW-19	6/7/2016	96.50	5.34	NP	--	91.16	--
MW-19	6/21/2016	96.50	5.00	NP	--	91.50	--
MW-19	7/19/2016	96.50	6.05	NP	--	90.45	--
MW-19	8/23/2016	96.50	6.90	NP	--	89.60	--
MW-19	9/20/2016	96.50	6.17	NP	--	90.33	--
MW-19	11/8/2016	96.50	2.35	NP	--	94.15	--
MW-19	12/6/2016	96.50	2.08	NP	--	94.42	--
MW-19	3/21/2017	96.50	1.74	NP	--	94.76	--
MW-19	4/27/2017	96.50	--	--	--	--	WI
MW-19	5/30/2017	96.50	4.40	NP	--	92.10	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-19	6/27/2017	96.50	5.74	NP	--	90.76	--
MW-19	8/3/2017	96.50	6.80	NP	--	89.70	--
MW-19	8/31/2017	96.50	7.35	NP	--	89.15	--
MW-19	9/26/2017	96.50	7.66	NP	--	88.84	--
MW-19	11/29/2017	96.50	3.17	NP	--	93.33	--
MW-20	12/17/2013	97.94	7.69	NP	--	90.25	--
MW-20	6/24/2014	97.94	5.40	NP	--	92.54	--
MW-20	11/6/2014	97.94	4.38	NP	--	93.56	--
MW-20	11/7/2014	97.94	4.30	NP	--	93.64	--
MW-20	11/8/2014	97.94	4.90	NP	--	93.04	--
MW-20	11/8/2014	97.94	5.00	NP	--	92.94	--
MW-20	11/9/2014	97.94	4.31	NP	--	93.63	--
MW-20	11/10/2014	97.94	4.35	NP	--	93.59	--
MW-20	11/10/2014	97.94	4.36	NP	--	93.58	--
MW-20	11/10/2014	97.94	4.35	NP	--	93.59	--
MW-20	11/10/2014	97.94	4.36	NP	--	93.58	--
MW-20	11/10/2014	97.94	4.42	NP	--	93.52	--
MW-20	11/11/2014	97.94	4.43	NP	--	93.51	--
MW-20	11/11/2014	97.94	4.48	NP	--	93.46	--
MW-20	11/12/2014	97.94	4.49	NP	--	93.45	--
MW-20	11/13/2014	97.94	4.52	NP	--	93.42	--
MW-20	11/14/2014	97.94	4.76	NP	--	93.18	--
MW-20	11/17/2014	97.94	4.86	NP	--	93.08	--
MW-20	11/18/2014	97.94	4.90	NP	--	93.04	--
MW-20	11/19/2014	97.94	4.97	NP	--	92.97	--
MW-20	12/1/2014	96.66	4.03	NP	--	92.63	--
MW-20	12/8/2014	96.66	4.20	NP	--	92.46	--
MW-20	12/15/2014	96.66	3.72	NP	--	92.94	--
MW-20	12/22/2014	96.66	3.62	NP	--	93.04	--
MW-20	12/29/2014	96.66	3.32	NP	--	93.34	--
MW-20	1/5/2015	96.66	2.28	NP	--	94.38	--
MW-20	1/12/2015	96.66	4.27	NP	--	92.39	--
MW-20	1/19/2015	96.66	3.06	NP	--	93.60	--
MW-20	1/26/2015	96.66	2.94	NP	--	93.72	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-20	2/2/2015	96.66	3.67	NP	--	92.99	--
MW-20	2/9/2015	96.66	2.93	NP	--	93.73	--
MW-20	2/16/2015	96.66	3.22	NP	--	93.44	--
MW-20	2/23/2015	96.66	3.71	NP	--	92.95	--
MW-20	3/2/2015	96.66	3.61	NP	--	93.05	--
MW-20	3/9/2015	96.66	4.18	NP	--	92.48	--
MW-20	3/16/2015	96.66	3.59	NP	--	93.07	--
MW-20	3/23/2015	96.66	3.44	NP	--	93.22	--
MW-20	3/30/2015	96.66	3.59	NP	--	93.07	--
MW-20	4/6/2015	96.66	4.11	NP	--	92.55	--
MW-20	4/22/2015	96.66	4.91	NP	--	91.75	--
MW-20	5/4/2015	96.66	5.08	NP	--	91.58	--
MW-20	5/18/2015	96.66	5.41	NP	--	91.25	--
MW-20	6/1/2015	96.66	6.85	NP	--	89.81	--
MW-20	6/15/2015	96.66	6.11	NP	--	90.55	--
MW-20	6/19/2015	96.66	6.25	NP	--	90.41	--
MW-20	6/29/2015	96.66	6.51	NP	--	90.15	--
MW-20	7/13/2015	96.66	6.82	NP	--	89.84	--
MW-20	7/28/2015	96.66	7.85	NP	--	88.81	--
MW-20	8/10/2015	96.66	8.24	NP	--	88.42	--
MW-20	8/24/2015	96.66	8.61	NP	--	88.05	--
MW-20	9/8/2015	96.66	8.31	NP	--	88.35	--
MW-20	9/21/2015	96.66	8.46	NP	--	88.20	--
MW-20	10/5/2015	96.66	8.43	NP	--	88.23	--
MW-20	10/12/2015	96.66	8.44	NP	--	88.22	--
MW-20	10/19/2015	96.66	8.47	NP	--	88.19	--
MW-20	11/2/2015	96.66	7.55	NP	--	89.11	--
MW-20	11/16/2015	96.66	4.00	NP	--	92.66	--
MW-20	11/30/2015	96.66	4.92	NP	--	91.74	--
MW-20	1/18/2016	96.66	3.81	NP	--	92.85	--
MW-20	2/1/2016	96.66	2.96	NP	--	93.70	--
MW-20	2/15/2016	96.66	1.90	NP	--	94.76	--
MW-20	3/7/2016	96.66	3.49	NP	--	93.17	--
MW-20	3/29/2016	96.66	3.16	NP	--	93.50	--
MW-20	4/5/2016	96.66	--	--	--	--	NG

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-20	4/19/2016	96.66	4.18	NP	--	92.48	--
MW-20	5/10/2016	96.66	--	--	--	--	WI
MW-20	5/24/2016	96.66	5.36	NP	--	91.30	--
MW-20	6/7/2016	96.66	5.70	NP	--	90.96	--
MW-20	6/21/2016	96.66	5.39	NP	--	91.27	--
MW-20	7/19/2016	96.66	6.21	NP	--	90.45	--
MW-20	8/23/2016	96.66	7.76	NP	--	88.90	--
MW-20	9/20/2016	96.66	7.42	NP	--	89.24	--
MW-20	11/8/2016	96.66	4.31	NP	--	92.35	--
MW-20	12/6/2016	96.66	3.53	NP	--	93.13	--
MW-20	3/21/2017	96.66	2.83	NP	--	93.83	--
MW-20	4/27/2017	96.66	4.08	NP	--	92.58	--
MW-20	5/30/2017	96.66	4.92	NP	--	91.74	--
MW-20	6/27/2017	96.66	6.02	NP	--	90.64	--
MW-20	8/3/2017	96.66	7.62	NP	--	89.04	--
MW-20	8/31/2017	96.66	8.42	NP	--	88.24	--
MW-20	9/26/2017	96.66	8.67	NP	--	87.99	--
MW-20	11/29/2017	96.66	4.86	NP	--	91.80	--
MW-21	12/17/2013	96.96	4.32	NP	--	92.64	--
MW-21	6/24/2014	96.96	4.30	NP	--	92.66	--
MW-21	11/6/2014	96.96	2.75	NP	--	94.21	--
MW-21	11/7/2014	96.96	2.78	NP	--	94.18	--
MW-21	11/8/2014	96.96	2.76	NP	--	94.20	--
MW-21	11/8/2014	96.96	2.76	NP	--	94.20	--
MW-21	11/9/2014	96.96	3.73	NP	--	93.23	--
MW-21	11/10/2014	96.96	2.86	NP	--	94.10	--
MW-21	11/10/2014	96.96	2.84	NP	--	94.12	--
MW-21	11/10/2014	96.96	2.85	NP	--	94.11	--
MW-21	11/10/2014	96.96	2.85	NP	--	94.11	--
MW-21	11/10/2014	96.96	--	--	--	--	NG
MW-21	11/11/2014	96.96	--	--	--	--	NG
MW-21	11/11/2014	96.96	--	--	--	--	NG
MW-21	11/12/2014	96.96	3.01	NP	--	93.95	--
MW-21	11/13/2014	96.96	3.10	NP	--	93.86	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-21	11/14/2014	96.96	3.24	NP	--	93.72	--
MW-21	11/17/2014	96.96	3.51	NP	--	93.45	--
MW-21	11/18/2014	96.96	3.55	NP	--	93.41	--
MW-21	11/19/2014	96.96	3.60	NP	--	93.36	--
MW-21	12/1/2014	95.65	2.62	NP	--	93.03	--
MW-21	12/8/2014	95.65	2.78	NP	--	92.87	--
MW-21	12/15/2014	95.65	2.24	NP	--	93.41	--
MW-21	12/22/2014	95.65	2.24	NP	--	93.41	--
MW-21	12/29/2014	95.65	1.94	NP	--	93.71	--
MW-21	1/5/2015	95.65	1.26	NP	--	94.39	--
MW-21	1/12/2015	95.65	1.98	NP	--	93.67	--
MW-21	1/15/2015	95.65	1.98	NP	--	93.67	--
MW-21	1/19/2015	95.65	1.66	NP	--	93.99	--
MW-21	1/26/2015	95.65	1.58	NP	--	94.07	--
MW-21	2/2/2015	95.65	2.41	NP	--	93.24	--
MW-21	2/9/2015	95.65	1.57	NP	--	94.08	--
MW-21	2/16/2015	95.65	1.90	NP	--	93.75	--
MW-21	2/23/2015	95.65	2.46	NP	--	93.19	--
MW-21	3/2/2015	95.65	2.35	NP	--	93.30	--
MW-21	3/9/2015	95.65	2.95	NP	--	92.70	--
MW-21	3/16/2015	95.65	2.34	NP	--	93.31	--
MW-21	3/23/2015	95.65	2.05	NP	--	93.60	--
MW-21	3/30/2015	95.65	2.20	NP	--	93.45	--
MW-21	4/6/2015	95.65	2.86	NP	--	92.79	--
MW-21	4/22/2015	95.65	3.70	NP	--	91.95	--
MW-21	5/4/2015	95.65	3.90	NP	--	91.75	--
MW-21	5/18/2015	95.65	4.25	NP	--	91.40	--
MW-21	6/1/2015	95.65	4.78	NP	--	90.87	--
MW-21	6/15/2015	95.65	6.15	NP	--	89.50	--
MW-21	6/19/2015	95.65	5.27	NP	--	90.38	--
MW-21	6/29/2015	95.65	5.53	NP	--	90.12	--
MW-21	7/13/2015	95.65	5.83	NP	--	89.82	--
MW-21	7/28/2015	95.65	6.14	NP	--	89.51	--
MW-21	8/10/2015	95.65	6.04	NP	--	89.61	--
MW-21	8/24/2015	95.65	6.60	NP	--	89.05	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-21	9/8/2015	95.65	6.05	NP	--	89.60	--
MW-21	9/21/2015	95.65	6.21	NP	--	89.44	--
MW-21	10/5/2015	95.65	6.38	NP	--	89.27	--
MW-21	10/12/2015	95.65	6.37	NP	--	89.28	--
MW-21	10/19/2015	95.65	6.46	NP	--	89.19	--
MW-21	11/2/2015	95.65	5.62	NP	--	90.03	--
MW-21	11/16/2015	95.65	2.96	NP	--	92.69	--
MW-21	11/30/2015	95.65	3.75	NP	--	91.90	--
MW-21	1/18/2016	95.65	2.56	NP	--	93.09	--
MW-21	2/1/2016	95.65	1.73	NP	--	93.92	--
MW-21	2/15/2016	95.65	0.65	NP	--	95.00	--
MW-21	3/7/2016	95.65	2.39	NP	--	93.26	--
MW-21	3/29/2016	95.65	1.90	NP	--	93.75	--
MW-21	4/5/2016	95.65	--	--	--	--	NG
MW-21	4/19/2016	95.65	3.00	NP	--	92.65	--
MW-21	5/10/2016	95.65	--	--	--	--	WI
MW-21	5/24/2016	95.65	4.25	NP	--	91.40	--
MW-21	6/7/2016	95.65	4.56	NP	--	91.09	--
MW-21	6/21/2016	95.65	4.23	NP	--	91.42	--
MW-21	7/19/2016	95.65	5.04	NP	--	90.61	--
MW-21	8/23/2016	95.65	6.03	NP	--	89.62	--
MW-21	9/20/2016	95.65	5.43	NP	--	90.22	--
MW-21	11/8/2016	95.65	2.71	NP	--	92.94	--
MW-21	12/6/2016	95.65	2.03	NP	--	93.62	--
MW-21	3/21/2017	95.65	1.39	NP	--	94.26	--
MW-21	4/27/2017	95.65	2.87	NP	--	92.78	--
MW-21	5/30/2017	95.65	3.70	NP	--	91.95	--
MW-21	6/27/2017	95.65	4.81	NP	--	90.84	--
MW-21	8/3/2017	95.65	5.88	NP	--	89.77	--
MW-21	8/31/2017	95.65	6.50	NP	--	89.15	--
MW-21	9/26/2017	95.65	6.78	NP	--	88.87	--
MW-21	11/29/2017	95.65	3.24	NP	--	92.41	--
MW-22	12/17/2013	95.93	4.32	NP	--	91.61	--
MW-22	6/24/2014	95.93	4.65	NP	--	91.28	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-22	11/7/2014	95.93	1.80	NP	--	94.13	--
MW-22	11/8/2014	95.93	2.01	NP	--	93.92	--
MW-22	11/8/2014	95.93	--	--	--	--	NG
MW-22	11/9/2014	95.93	1.94	NP	--	93.99	--
MW-22	11/10/2014	95.93	2.29	NP	--	93.64	--
MW-22	11/10/2014	95.93	2.34	NP	--	93.59	--
MW-22	11/10/2014	95.93	2.30	NP	--	93.63	--
MW-22	11/10/2014	95.93	2.29	NP	--	93.64	--
MW-22	11/10/2014	95.93	2.34	NP	--	93.59	--
MW-22	11/11/2014	95.93	2.55	NP	--	93.38	--
MW-22	11/11/2014	95.93	2.63	NP	--	93.30	--
MW-22	11/12/2014	95.93	2.74	NP	--	93.19	--
MW-22	11/13/2014	95.93	2.89	NP	--	93.04	--
MW-22	11/14/2014	95.93	3.22	NP	--	92.71	--
MW-22	11/18/2014	95.93	3.68	NP	--	92.25	--
MW-22	11/19/2014	95.93	3.74	NP	--	92.19	--
MW-22	12/1/2014	95.35	1.60	NP	--	93.75	--
MW-22	12/8/2014	95.35	1.68	NP	--	93.67	--
MW-22	12/15/2014	95.35	1.34	NP	--	94.01	--
MW-22	12/22/2014	95.35	1.39	NP	--	93.96	--
MW-22	12/29/2014	95.35	1.23	NP	--	94.12	--
MW-22	1/5/2015	95.35	0.70	NP	--	94.65	--
MW-22	1/12/2015	95.35	0.90	NP	--	94.45	--
MW-22	1/19/2015	95.35	1.05	NP	--	94.30	--
MW-22	1/26/2015	95.35	1.03	NP	--	94.32	--
MW-22	2/2/2015	95.35	1.14	NP	--	94.21	--
MW-22	2/9/2015	95.35	1.05	NP	--	94.30	--
MW-22	2/16/2015	95.35	1.11	NP	--	94.24	--
MW-22	2/23/2015	95.35	1.34	NP	--	94.01	--
MW-22	3/2/2015	95.35	1.39	NP	--	93.96	--
MW-22	3/9/2015	95.35	1.84	NP	--	93.51	--
MW-22	3/16/2015	95.35	1.26	NP	--	94.09	--
MW-22	3/23/2015	95.35	1.26	NP	--	94.09	--
MW-22	3/30/2015	95.35	1.50	NP	--	93.85	--
MW-22	4/6/2015	95.35	2.35	NP	--	93.00	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-22	4/22/2015	95.35	4.03	NP	--	91.32	--
MW-22	5/4/2015	95.35	4.25	NP	--	91.10	--
MW-22	5/18/2015	95.35	4.62	NP	--	90.73	--
MW-22	6/1/2015	95.35	5.02	NP	--	90.33	--
MW-22	6/15/2015	95.35	5.32	NP	--	90.03	--
MW-22	6/19/2015	95.35	5.41	NP	--	89.94	--
MW-22	6/29/2015	95.35	5.60	NP	--	89.75	--
MW-22	7/13/2015	95.35	5.78	NP	--	89.57	--
MW-22	7/28/2015	95.35	5.97	NP	--	89.38	--
MW-22	8/10/2015	95.35	6.16	NP	--	89.19	--
MW-22	8/24/2015	95.35	6.39	NP	--	88.96	--
MW-22	9/8/2015	95.35	6.35	NP	--	89.00	--
MW-22	9/21/2015	95.35	6.34	NP	--	89.01	--
MW-22	10/5/2015	95.35	6.46	NP	--	88.89	--
MW-22	10/12/2015	95.35	6.50	NP	--	88.85	--
MW-22	10/19/2015	95.35	6.54	NP	--	88.81	--
MW-22	11/2/2015	95.35	--	--	--	--	WI
MW-22	11/16/2015	95.35	1.35	NP	--	94.00	--
MW-22	11/30/2015	95.35	2.56	NP	--	92.79	--
MW-22	1/18/2016	95.35	1.33	NP	--	94.02	--
MW-22	2/1/2016	95.35	0.96	NP	--	94.39	--
MW-22	2/15/2016	95.35	0.70	NP	--	94.65	--
MW-22	3/7/2016	95.35	1.33	NP	--	94.02	--
MW-22	3/29/2016	95.35	1.28	NP	--	94.07	--
MW-22	4/5/2016	95.35	--	--	--	--	NG
MW-22	4/19/2016	95.35	2.86	NP	--	92.49	--
MW-22	5/10/2016	95.35	4.30	NP	--	91.05	--
MW-22	5/24/2016	95.35	5.64	NP	--	89.71	--
MW-22	6/7/2016	95.35	4.85	NP	--	90.50	--
MW-22	6/21/2016	95.35	4.87	NP	--	90.48	--
MW-22	7/19/2016	95.35	5.35	NP	--	90.00	--
MW-22	8/23/2016	95.35	5.90	NP	--	89.45	--
MW-22	9/20/2016	95.35	5.66	NP	--	89.69	--
MW-22	11/8/2016	95.35	1.72	NP	--	93.63	--
MW-22	12/6/2016	95.35	1.51	NP	--	93.84	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-22	3/21/2017	95.35	1.06	NP	--	94.29	--
MW-22	4/27/2017	95.35	2.61	NP	--	92.74	--
MW-22	5/30/2017	95.35	4.31	NP	--	91.04	--
MW-22	6/28/2017	95.35	5.15	NP	--	90.20	--
MW-22	8/3/2017	95.35	5.79	NP	--	89.56	--
MW-22	8/31/2017	95.35	6.22	NP	--	89.13	--
MW-22	9/26/2017	95.35	6.56	NP	--	88.79	--
MW-22	11/29/2017	95.35	2.91	NP	--	92.44	--
MW-23	12/17/2013	95.62	3.14	NP	--	92.48	--
MW-23	6/24/2014	95.62	3.61	NP	--	92.01	--
MW-23	11/7/2014	95.62	--	--	--	--	NG
MW-23	11/8/2014	95.62	--	--	--	--	NG
MW-23	11/9/2014	95.62	1.22	NP	--	94.40	--
MW-23	11/10/2014	95.62	1.50	NP	--	94.12	--
MW-23	11/12/2014	95.62	1.78	NP	--	93.84	--
MW-23	11/18/2014	95.62	2.49	NP	--	93.13	--
MW-23	11/19/2014	95.62	2.51	NP	--	93.11	--
MW-23	12/1/2014	94.20	1.40	NP	--	92.80	--
MW-23	12/8/2014	94.20	1.40	NP	--	92.80	--
MW-23	12/15/2014	94.20	1.14	NP	--	93.06	--
MW-23	12/22/2014	94.20	1.13	NP	--	93.07	--
MW-23	12/29/2014	94.20	0.97	NP	--	93.23	--
MW-23	1/5/2015	94.20	0.50	NP	--	93.70	--
MW-23	1/12/2015	94.20	0.90	NP	--	93.30	--
MW-23	1/19/2015	94.20	0.80	NP	--	93.40	--
MW-23	1/26/2015	94.20	0.74	NP	--	93.46	--
MW-23	2/2/2015	94.20	1.24	NP	--	92.96	--
MW-23	2/9/2015	94.20	0.90	NP	--	93.30	--
MW-23	2/16/2015	94.20	0.90	NP	--	93.30	--
MW-23	2/23/2015	94.20	1.41	NP	--	92.79	--
MW-23	3/2/2015	94.20	1.33	NP	--	92.87	--
MW-23	3/9/2015	94.20	1.85	NP	--	92.35	--
MW-23	3/16/2015	94.20	1.05	NP	--	93.15	--
MW-23	3/23/2015	94.20	1.00	NP	--	93.20	--

TABLE 1
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Allen Pump Station
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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-23	3/30/2015	94.20	1.20	NP	--	93.00	--
MW-23	4/6/2015	94.20	1.95	NP	--	92.25	--
MW-23	4/22/2015	94.20	2.79	NP	--	91.41	--
MW-23	5/4/2015	94.20	3.09	NP	--	91.11	--
MW-23	5/18/2015	94.20	3.51	NP	--	90.69	--
MW-23	6/1/2015	94.20	4.07	NP	--	90.13	--
MW-23	6/15/2015	94.20	4.43	NP	--	89.77	--
MW-23	6/19/2015	94.20	4.55	NP	--	89.65	--
MW-23	6/29/2015	94.20	4.77	NP	--	89.43	--
MW-23	7/13/2015	94.20	5.12	NP	--	89.08	--
MW-23	7/28/2015	94.20	5.41	NP	--	88.79	--
MW-23	8/10/2015	94.20	5.63	NP	--	88.57	--
MW-23	8/24/2015	94.20	8.85	NP	--	85.35	--
MW-23	9/8/2015	94.20	4.80	NP	--	89.40	--
MW-23	9/21/2015	94.20	--	--	--	--	WI
MW-23	10/5/2015	94.20	5.28	NP	--	88.92	--
MW-23	10/12/2015	94.20	--	--	--	--	NG
MW-23	10/19/2015	94.20	5.24	NP	--	88.96	--
MW-23	11/2/2015	94.20	5.77	NP	--	88.43	--
MW-23	11/16/2015	94.20	1.24	NP	--	92.96	--
MW-23	11/30/2015	94.20	2.24	NP	--	91.96	--
MW-23	1/18/2016	94.20	1.36	NP	--	92.84	--
MW-23	2/1/2016	94.20	1.03	NP	--	93.17	--
MW-23	2/15/2016	94.20	0.50	NP	--	93.70	--
MW-23	3/7/2016	94.20	1.45	NP	--	92.75	--
MW-23	3/29/2016	94.20	1.05	NP	--	93.15	--
MW-23	4/5/2016	94.20	--	--	--	--	NG
MW-23	4/19/2016	94.20	2.15	NP	--	92.05	--
MW-23	5/10/2016	94.20	3.00	NP	--	91.20	--
MW-23	5/24/2016	94.20	3.31	NP	--	90.89	--
MW-23	6/7/2016	94.20	3.62	NP	--	90.58	--
MW-23	6/21/2016	94.20	3.07	NP	--	91.13	--
MW-23	7/19/2016	94.20	4.24	NP	--	89.96	--
MW-23	8/23/2016	94.20	5.12	NP	--	89.08	--
MW-23	9/20/2016	94.20	4.19	NP	--	90.01	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
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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-23	11/8/2016	94.20	1.40	NP	--	92.80	--
MW-23	12/6/2016	94.20	1.21	NP	--	92.99	--
MW-23	3/21/2017	94.20	0.80	NP	--	93.40	--
MW-23	4/27/2017	94.20	2.14	NP	--	92.06	--
MW-23	5/30/2017	94.20	3.07	NP	--	91.13	--
MW-23	6/28/2017	94.20	4.07	NP	--	90.13	--
MW-23	8/3/2017	94.20	5.07	NP	--	89.13	--
MW-23	8/31/2017	94.20	5.66	NP	--	88.54	--
MW-23	9/26/2017	94.20	6.91	NP	--	87.29	--
MW-23	11/29/2017	94.20	1.56	NP	--	92.64	--
MW-24	11/17/2014	--	4.89	NP	--	--	--
MW-24	11/18/2014	--	6.55	NP	--	--	--
MW-24	11/19/2014	--	6.55	NP	--	--	--
MW-24	12/1/2014	96.50	3.75	NP	--	92.75	--
MW-24	12/8/2014	96.50	3.84	NP	--	92.66	--
MW-24	12/15/2014	96.50	2.27	NP	--	94.23	--
MW-24	12/22/2014	96.50	3.43	NP	--	93.07	--
MW-24	12/29/2014	96.50	3.14	NP	--	93.36	--
MW-24	1/5/2015	96.50	2.58	NP	--	93.92	--
MW-24	1/12/2015	96.50	2.80	NP	--	93.70	--
MW-24	1/14/2015	96.50	2.80	NP	--	93.70	--
MW-24	1/19/2015	96.50	3.22	NP	--	93.28	--
MW-24	1/26/2015	96.50	3.17	NP	--	93.33	--
MW-24	2/2/2015	96.50	3.40	NP	--	93.10	--
MW-24	2/9/2015	96.50	3.47	NP	--	93.03	--
MW-24	2/16/2015	96.50	3.36	NP	--	93.14	--
MW-24	2/23/2015	96.50	3.50	NP	--	93.00	--
MW-24	3/2/2015	96.50	3.74	NP	--	92.76	--
MW-24	3/9/2015	96.50	3.89	NP	--	92.61	--
MW-24	3/16/2015	96.50	3.66	NP	--	92.84	--
MW-24	3/23/2015	96.50	3.80	NP	--	92.70	--
MW-24	3/30/2015	96.50	3.83	NP	--	92.67	--
MW-24	4/6/2015	96.50	4.25	NP	--	92.25	--
MW-24	4/22/2015	96.50	5.10	NP	--	91.40	--

TABLE 1
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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-24	5/4/2015	96.50	5.93	NP	--	90.57	--
MW-24	5/18/2015	96.50	5.90	NP	--	90.60	--
MW-24	6/1/2015	96.50	6.53	NP	--	89.97	--
MW-24	6/15/2015	96.50	6.86	NP	--	89.64	--
MW-24	6/19/2015	96.50	6.97	NP	--	89.53	--
MW-24	6/29/2015	96.50	7.34	NP	--	89.16	--
MW-24	7/13/2015	96.50	7.69	NP	--	88.81	--
MW-24	7/28/2015	96.50	7.92	NP	--	88.58	--
MW-24	8/10/2015	96.50	8.22	NP	--	88.28	--
MW-24	8/24/2015	96.50	8.42	NP	--	88.08	--
MW-24	9/8/2015	96.50	7.72	NP	--	88.78	--
MW-24	9/21/2015	96.50	7.80	NP	--	88.70	--
MW-24	10/5/2015	96.50	7.98	NP	--	88.52	--
MW-24	10/12/2015	96.50	7.90	NP	--	88.60	--
MW-24	10/19/2015	96.50	8.14	NP	--	88.36	--
MW-24	11/2/2015	96.50	7.41	NP	--	89.09	--
MW-24	11/16/2015	96.50	5.67	NP	--	90.83	--
MW-24	11/30/2015	96.50	5.75	NP	--	90.75	--
MW-24	1/18/2016	96.50	3.56	NP	--	92.94	--
MW-24	2/1/2016	96.50	4.11	NP	--	92.39	--
MW-24	2/15/2016	96.50	3.82	NP	--	92.68	--
MW-24	3/7/2016	96.50	3.15	NP	--	93.35	--
MW-24	3/29/2016	96.50	3.52	3.50	0.02	93.00	--
MW-24	4/5/2016	96.50	3.28	NP	--	93.22	--
MW-24	4/19/2016	96.50	3.96	3.94	0.02	92.56	--
MW-24	5/10/2016	96.50	5.05	NP	--	91.45	--
MW-24	5/24/2016	96.50	5.44	NP	--	91.06	--
MW-24	6/7/2016	96.50	5.85	NP	--	90.65	--
MW-24	6/21/2016	96.50	5.38	NP	--	91.12	--
MW-24	7/19/2016	96.50	6.57	NP	--	89.93	--
MW-24	8/23/2016	96.50	7.61	NP	--	88.89	--
MW-24	9/20/2016	96.50	6.82	NP	--	89.68	--
MW-24	11/8/2016	96.50	4.22	NP	--	92.28	--
MW-24	12/6/2016	96.50	4.25	NP	--	92.25	--
MW-24	3/21/2017	96.50	4.12	NP	--	92.38	--

TABLE 1
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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-24	4/27/2017	96.50	4.35	NP	--	92.15	--
MW-24	5/30/2017	96.50	4.86	NP	--	91.64	--
MW-24	6/28/2017	96.50	6.18	NP	--	90.32	--
MW-24	8/3/2017	96.50	7.38	NP	--	89.12	--
MW-24	8/31/2017	96.50	7.99	NP	--	88.51	--
MW-24	11/29/2017	96.50	4.10	NP	--	92.40	--
MW-25	11/17/2014	--	5.54	NP	--	--	--
MW-25	11/18/2014	--	8.02	NP	--	--	--
MW-25	11/19/2014	--	8.00	NP	--	--	--
MW-25	12/1/2014	97.35	6.40	NP	--	90.95	--
MW-25	12/8/2014	97.35	6.19	NP	--	91.16	--
MW-25	12/15/2014	97.35	5.82	NP	--	91.53	--
MW-25	12/22/2014	97.35	5.62	NP	--	91.73	--
MW-25	12/29/2014	97.35	5.10	NP	--	92.25	--
MW-25	1/5/2015	97.35	4.58	NP	--	92.77	--
MW-25	1/12/2015	97.35	4.33	NP	--	93.02	--
MW-25	1/13/2015	97.35	4.33	NP	--	93.02	--
MW-25	1/19/2015	97.35	4.23	NP	--	93.12	--
MW-25	1/26/2015	97.35	4.03	NP	--	93.32	--
MW-25	2/2/2015	97.35	4.38	NP	--	92.97	--
MW-25	2/9/2015	97.35	4.07	NP	--	93.28	--
MW-25	2/16/2015	97.35	4.06	NP	--	93.29	--
MW-25	2/23/2015	97.35	4.47	NP	--	92.88	--
MW-25	3/2/2015	97.35	4.56	NP	--	92.79	--
MW-25	3/9/2015	97.35	5.94	NP	--	91.41	--
MW-25	3/16/2015	97.35	4.90	NP	--	92.45	--
MW-25	3/23/2015	97.35	4.71	NP	--	92.64	--
MW-25	3/30/2015	97.35	4.68	NP	--	92.67	--
MW-25	4/6/2015	97.35	5.09	NP	--	92.26	--
MW-25	4/22/2015	97.35	5.63	NP	--	91.72	--
MW-25	5/4/2015	97.35	5.82	NP	--	91.53	--
MW-25	5/18/2015	97.35	6.14	NP	--	91.21	--
MW-25	6/1/2015	97.35	6.46	NP	--	90.89	--
MW-25	6/15/2015	97.35	6.85	NP	--	90.50	--

TABLE 1
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Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-25	6/19/2015	97.35	6.91	NP	--	90.44	--
MW-25	6/29/2015	97.35	7.17	NP	--	90.18	--
MW-25	7/13/2015	97.35	7.53	NP	--	89.82	--
MW-25	7/28/2015	97.35	8.09	NP	--	89.26	--
MW-25	8/10/2015	97.35	8.68	NP	--	88.67	--
MW-25	8/24/2015	97.35	8.89	NP	--	88.46	--
MW-25	9/8/2015	97.35	8.73	NP	--	88.62	--
MW-25	9/21/2015	97.35	8.72	NP	--	88.63	--
MW-25	10/5/2015	97.35	--	--	--	--	NG
MW-25	10/12/2015	97.35	--	--	--	--	NG
MW-25	10/19/2015	97.35	8.83	NP	--	88.52	--
MW-25	11/2/2015	97.35	8.43	NP	--	88.92	--
MW-25	11/16/2015	97.35	7.65	NP	--	89.70	--
MW-25	11/30/2015	97.35	--	--	--	--	NG
MW-25	1/18/2016	97.35	4.92	NP	--	92.43	--
MW-25	2/1/2016	97.35	--	--	--	--	WI
MW-25	2/15/2016	97.35	--	--	--	--	NG
MW-25	3/7/2016	97.35	4.18	NP	--	93.17	--
MW-25	3/29/2016	97.35	4.14	NP	--	93.21	--
MW-25	4/5/2016	97.35	--	--	--	--	NG
MW-25	4/19/2016	97.35	4.85	NP	--	92.50	--
MW-25	5/10/2016	97.35	5.48	NP	--	91.87	--
MW-25	5/24/2016	97.35	5.82	NP	--	91.53	--
MW-25	6/7/2016	97.35	6.10	NP	--	91.25	--
MW-25	6/21/2016	97.35	6.25	NP	--	91.10	--
MW-25	7/19/2016	97.35	6.70	NP	--	90.65	--
MW-25	8/23/2016	97.35	7.53	NP	--	89.82	--
MW-25	9/20/2016	97.35	7.68	NP	--	89.67	--
MW-25	11/8/2016	97.35	7.10	NP	--	90.25	--
MW-25	12/6/2016	97.35	6.21	NP	--	91.14	--
MW-25	3/21/2017	97.35	3.98	NP	--	93.37	--
MW-25	4/27/2017	97.35	4.89	NP	--	92.46	--
MW-25	5/30/2017	97.35	5.63	NP	--	91.72	--
MW-25	6/27/2017	97.35	6.36	NP	--	90.99	--
MW-25	8/3/2017	97.35	7.27	NP	--	90.08	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-25	8/31/2017	97.35	8.16	NP	--	89.19	--
MW-25	9/26/2017	97.35	8.42	NP	--	88.93	--
MW-25	11/29/2017	97.35	7.51	NP	--	89.84	--
MW-27	11/17/2014	--	7.00	NP	--	--	--
MW-27	11/18/2014	--	7.14	NP	--	--	--
MW-27	11/19/2014	--	7.14	NP	--	--	--
MW-27	12/1/2014	96.56	3.43	NP	--	93.13	--
MW-27	12/8/2014	96.56	3.53	NP	--	93.03	--
MW-27	12/15/2014	96.56	3.21	NP	--	93.35	--
MW-27	12/22/2014	96.56	3.16	NP	--	93.40	--
MW-27	12/29/2014	96.56	3.07	NP	--	93.49	--
MW-27	1/5/2015	96.56	2.69	NP	--	93.87	--
MW-27	1/12/2015	96.56	2.74	NP	--	93.82	--
MW-27	1/13/2015	96.56	2.74	NP	--	93.82	--
MW-27	1/19/2015	96.56	2.80	NP	--	93.76	--
MW-27	1/26/2015	96.56	2.47	NP	--	94.09	--
MW-27	2/2/2015	96.56	2.88	NP	--	93.68	--
MW-27	2/9/2015	96.56	2.78	NP	--	93.78	--
MW-27	2/16/2015	96.56	2.70	NP	--	93.86	--
MW-27	2/23/2015	96.56	2.80	NP	--	93.76	--
MW-27	3/2/2015	96.56	3.00	NP	--	93.56	--
MW-27	3/9/2015	96.56	3.11	NP	--	93.45	--
MW-27	3/16/2015	96.56	3.20	NP	--	93.36	--
MW-27	3/23/2015	96.56	3.13	NP	--	93.43	--
MW-27	3/30/2015	96.56	3.14	NP	--	93.42	--
MW-27	4/6/2015	96.56	3.61	NP	--	92.95	--
MW-27	4/22/2015	96.56	4.44	NP	--	92.12	--
MW-27	5/4/2015	96.56	4.79	NP	--	91.77	--
MW-27	5/18/2015	96.56	5.35	NP	--	91.21	--
MW-27	6/1/2015	96.56	6.04	NP	--	90.52	--
MW-27	6/15/2015	96.56	6.43	NP	--	90.13	--
MW-27	6/19/2015	96.56	6.39	NP	--	90.17	--
MW-27	6/29/2015	96.56	6.87	NP	--	89.69	--
MW-27	7/13/2015	96.56	7.29	NP	--	89.27	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-27	7/28/2015	96.56	7.66	NP	--	88.90	--
MW-27	8/10/2015	96.56	7.98	NP	--	88.58	--
MW-27	8/24/2015	96.56	--	--	--	--	NG
MW-27	9/8/2015	96.56	6.97	NP	--	89.59	--
MW-27	9/21/2015	96.56	7.19	NP	--	89.37	--
MW-27	10/5/2015	96.56	7.62	NP	--	88.94	--
MW-27	10/12/2015	96.56	7.32	NP	--	89.24	--
MW-27	10/19/2015	96.56	7.60	NP	--	88.96	--
MW-27	11/2/2015	96.56	6.74	NP	--	89.82	--
MW-27	11/16/2015	96.56	5.06	NP	--	91.50	--
MW-27	11/30/2015	96.56	5.02	NP	--	91.54	--
MW-27	1/18/2016	96.56	3.26	NP	--	93.30	--
MW-27	2/1/2016	96.56	3.01	NP	--	93.55	--
MW-27	2/15/2016	96.56	2.23	NP	--	94.33	--
MW-27	3/7/2016	96.56	2.54	NP	--	94.02	--
MW-27	3/29/2016	96.56	2.57	NP	--	93.99	--
MW-27	4/5/2016	96.56	3.04	NP	--	93.52	--
MW-27	4/19/2016	96.56	3.32	3.30	0.02	93.26	--
MW-27	5/10/2016	96.56	4.63	NP	--	91.93	--
MW-27	5/24/2016	96.56	5.07	NP	--	91.49	--
MW-27	6/7/2016	96.56	5.49	NP	--	91.07	--
MW-27	6/21/2016	96.56	5.23	NP	--	91.33	--
MW-27	7/19/2016	96.56	6.29	NP	--	90.27	--
MW-27	8/23/2016	96.56	--	--	--	--	NG
MW-27	9/20/2016	96.56	--	--	--	--	NG
MW-27	11/8/2016	96.56	--	--	--	--	NG
MW-27	12/6/2016	96.56	--	--	--	--	NG
MW-27	3/21/2017	96.56	3.35	NP	--	93.21	--
MW-27	4/27/2017	96.56	3.79	NP	--	92.77	--
MW-27	5/30/2017	96.56	4.46	NP	--	92.10	--
MW-27	6/28/2017	96.56	5.80	NP	--	90.76	--
MW-27	8/3/2017	96.56	7.05	NP	--	89.51	--
MW-27	8/31/2017	96.56	7.80	NP	--	88.76	--
MW-27	9/26/2017	96.56	8.06	NP	--	88.50	--
MW-27	11/29/2017	96.56	--	--	--	--	WI

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-28	11/17/2014	--	7.71	NP	--	--	--
MW-28	11/18/2014	--	8.10	NP	--	--	--
MW-28	11/19/2014	--	8.03	NP	--	--	--
MW-28	12/1/2014	96.77	5.05	NP	--	91.72	--
MW-28	12/8/2014	96.77	5.14	NP	--	91.63	--
MW-28	12/15/2014	96.77	4.62	NP	--	92.15	--
MW-28	12/22/2014	96.77	4.70	NP	--	92.07	--
MW-28	12/29/2014	96.77	4.29	NP	--	92.48	--
MW-28	1/5/2015	96.77	3.18	NP	--	93.59	--
MW-28	1/12/2015	96.77	4.02	NP	--	92.75	--
MW-28	1/13/2015	96.77	4.02	NP	--	92.75	--
MW-28	1/19/2015	96.77	4.00	NP	--	92.77	--
MW-28	1/26/2015	96.77	3.91	NP	--	92.86	--
MW-28	2/2/2015	96.77	4.54	NP	--	92.23	--
MW-28	2/9/2015	96.77	3.76	NP	--	93.01	--
MW-28	2/16/2015	96.77	3.96	NP	--	92.81	--
MW-28	3/2/2015	96.77	4.51	NP	--	92.26	--
MW-28	3/9/2015	96.77	4.97	NP	--	91.80	--
MW-28	3/16/2015	96.77	4.60	NP	--	92.17	--
MW-28	3/23/2015	96.77	4.40	NP	--	92.37	--
MW-28	3/30/2015	96.77	4.48	NP	--	92.29	--
MW-28	4/6/2015	96.77	5.00	NP	--	91.77	--
MW-28	4/22/2015	96.77	5.79	NP	--	90.98	--
MW-28	5/4/2015	96.77	6.24	NP	--	90.53	--
MW-28	5/18/2015	96.77	6.65	NP	--	90.12	--
MW-28	6/1/2015	96.77	7.10	NP	--	89.67	--
MW-28	6/15/2015	96.77	7.37	NP	--	89.40	--
MW-28	6/19/2015	96.77	7.38	NP	--	89.39	--
MW-28	7/13/2015	96.77	8.14	NP	--	88.63	--
MW-28	7/28/2015	96.77	8.34	NP	--	88.43	--
MW-28	8/10/2015	96.77	8.69	NP	--	88.08	--
MW-28	8/24/2015	96.77	3.88	NP	--	92.89	--
MW-28	9/8/2015	96.77	8.36	NP	--	88.41	--
MW-28	9/21/2015	96.77	8.31	NP	--	88.46	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-28	10/5/2015	96.77	8.51	NP	--	88.26	--
MW-28	10/12/2015	96.77	--	--	--	--	WI
MW-28	10/19/2015	96.77	8.53	NP	--	88.24	--
MW-28	11/2/2015	96.77	8.18	NP	--	88.59	--
MW-28	11/16/2015	96.77	--	--	--	--	WI
MW-28	11/30/2015	96.77	--	--	--	--	WI
MW-28	1/18/2016	96.77	4.19	4.15	0.04	92.61	NS
MW-28	2/1/2016	96.77	3.51	3.50	0.01	93.27	--
MW-28	2/15/2016	96.77	2.92	NP	--	93.85	--
MW-28	3/7/2016	96.77	3.50	3.41	0.09	93.34	--
MW-28	3/29/2016	96.77	3.65	3.56	0.09	93.19	--
MW-28	4/5/2016	96.77	3.70	NP	--	93.07	--
MW-28	4/19/2016	96.77	4.43	4.42	0.01	92.35	--
MW-28	5/10/2016	96.77	5.41	5.40	0.01	91.37	--
MW-28	5/24/2016	96.77	5.82	NP	--	90.95	--
MW-28	6/7/2016	96.77	6.25	NP	--	90.52	--
MW-28	6/21/2016	96.77	5.92	NP	--	90.85	--
MW-28	7/19/2016	96.77	7.02	NP	--	89.75	--
MW-28	8/23/2016	96.77	--	--	--	--	WI
MW-28	9/20/2016	96.77	7.37	NP	--	89.40	--
MW-28	11/8/2016	96.77	5.07	NP	--	91.70	--
MW-28	12/6/2016	96.77	4.27	4.16	0.11	92.58	--
MW-28	3/21/2017	96.77	2.94	2.86	0.08	93.89	--
MW-28	4/27/2017	96.77	4.35	4.34	0.01	92.43	--
MW-28	5/30/2017	96.77	5.54	5.49	0.05	91.27	--
MW-28	6/28/2017	96.77	6.65	6.52	0.13	90.22	--
MW-28	8/3/2017	96.77	--	--	--	--	--
MW-28	8/31/2017	96.77	--	--	--	--	--
MW-28	9/26/2017	96.77	--	--	--	--	--
MW-28	11/29/2017	96.77	5.37	NP	--	91.40	--
MW-29	11/17/2014	--	5.55	NP	--	--	--
MW-29	11/18/2014	--	5.86	NP	--	--	--
MW-29	11/19/2014	--	5.85	NP	--	--	--
MW-29	12/1/2014	97.98	4.07	NP	--	93.91	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-29	12/8/2014	97.98	4.20	NP	--	93.78	--
MW-29	12/15/2014	97.98	3.63	NP	--	94.35	--
MW-29	12/22/2014	97.98	3.75	NP	--	94.23	--
MW-29	12/29/2014	97.98	3.40	NP	--	94.58	--
MW-29	1/5/2015	97.98	2.19	NP	--	95.79	--
MW-29	1/12/2015	97.98	3.56	NP	--	94.42	--
MW-29	1/14/2015	97.98	3.56	NP	--	94.42	--
MW-29	1/19/2015	97.98	3.01	NP	--	94.97	--
MW-29	1/26/2015	97.98	3.20	NP	--	94.78	--
MW-29	2/2/2015	97.98	3.95	NP	--	94.03	--
MW-29	2/9/2015	97.98	3.07	NP	--	94.91	--
MW-29	2/16/2015	97.98	3.47	NP	--	94.51	--
MW-29	2/23/2015	97.98	4.01	NP	--	93.97	--
MW-29	3/2/2015	97.98	3.89	NP	--	94.09	--
MW-29	3/9/2015	97.98	4.54	NP	--	93.44	--
MW-29	3/16/2015	97.98	3.56	NP	--	94.42	--
MW-29	3/23/2015	97.98	3.50	NP	--	94.48	--
MW-29	3/30/2015	97.98	3.72	NP	--	94.26	--
MW-29	4/6/2015	97.98	4.58	NP	--	93.40	--
MW-29	4/22/2015	97.98	5.78	NP	--	92.20	--
MW-29	5/4/2015	97.98	6.00	NP	--	91.98	--
MW-29	5/18/2015	97.98	6.50	NP	--	91.48	--
MW-29	6/1/2015	97.98	7.20	NP	--	90.78	--
MW-29	6/15/2015	97.98	7.64	NP	--	90.34	--
MW-29	6/19/2015	97.98	7.81	NP	--	90.17	--
MW-29	6/29/2015	97.98	8.10	NP	--	89.88	--
MW-29	7/13/2015	97.98	8.45	NP	--	89.53	--
MW-29	7/28/2015	97.98	8.77	NP	--	89.21	--
MW-29	8/10/2015	97.98	9.04	NP	--	88.94	--
MW-29	8/24/2015	97.98	9.31	NP	--	88.67	--
MW-29	9/8/2015	97.98	8.60	NP	--	89.38	--
MW-29	9/21/2015	97.98	8.57	NP	--	89.41	--
MW-29	10/5/2015	97.98	8.81	NP	--	89.17	--
MW-29	10/12/2015	97.98	8.97	NP	--	89.01	--
MW-29	10/19/2015	97.98	9.24	NP	--	88.74	--

TABLE 1
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Allen Pump Station
16292 Ovenell Road
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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-29	11/2/2015	97.98	8.68	NP	--	89.30	--
MW-29	11/16/2015	97.98	6.62	NP	--	91.36	--
MW-29	11/30/2015	97.98	6.97	NP	--	91.01	--
MW-29	1/18/2016	97.98	2.45	NP	--	95.53	--
MW-29	2/1/2016	96.56	1.80	NP	--	94.76	--
MW-29	2/15/2016	96.56	0.48	NP	--	96.08	--
MW-29	3/7/2016	96.56	2.43	NP	--	94.13	--
MW-29	3/29/2016	96.56	2.02	NP	--	94.54	--
MW-29	4/5/2016	96.56	2.21	NP	--	94.35	--
MW-29	4/19/2016	96.56	3.30	NP	--	93.26	--
MW-29	5/10/2016	96.56	4.54	NP	--	92.02	--
MW-29	5/24/2016	96.56	4.93	NP	--	91.63	--
MW-29	6/7/2016	96.56	5.31	NP	--	91.25	--
MW-29	6/21/2016	96.56	4.85	NP	--	91.71	--
MW-29	7/19/2016	96.56	6.04	NP	--	90.52	--
MW-29	8/23/2016	96.56	7.01	NP	--	89.55	--
MW-29	9/20/2016	96.56	6.28	NP	--	90.28	--
MW-29	11/8/2016	96.56	2.57	NP	--	93.99	--
MW-29	12/6/2016	96.56	2.10	NP	--	94.46	--
MW-29	3/21/2017	96.56	1.43	NP	--	95.13	--
MW-29	4/27/2017	96.56	3.05	NP	--	93.51	--
MW-29	5/30/2017	96.56	--	--	--	--	WI
MW-29	6/28/2017	96.56	5.66	NP	--	90.90	--
MW-29	8/3/2017	96.56	6.85	NP	--	89.71	--
MW-29	8/31/2017	96.56	7.52	NP	--	89.04	--
MW-29	9/26/2017	96.56	7.87	NP	--	88.69	--
MW-29	11/29/2017	96.56	2.82	NP	--	93.74	--
MW-31	12/15/2014	96.53	1.52	NP	--	95.01	--
MW-31	12/22/2014	96.53	2.20	NP	--	94.33	--
MW-31	12/29/2014	96.53	1.85	NP	--	94.68	--
MW-31	1/5/2015	96.53	0.68	NP	--	95.85	--
MW-31	1/12/2015	96.53	1.82	NP	--	94.71	--
MW-31	1/19/2015	96.53	1.60	NP	--	94.93	--
MW-31	1/26/2015	96.53	1.64	NP	--	94.89	--

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Groundwater Gauging Data
Allen Pump Station
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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-31	2/2/2015	96.53	2.20	NP	--	94.33	--
MW-31	2/9/2015	96.53	1.75	NP	--	94.78	--
MW-31	2/16/2015	96.53	1.85	NP	--	94.68	--
MW-31	2/23/2015	96.53	2.40	NP	--	94.13	--
MW-31	3/2/2015	96.53	2.39	NP	--	94.14	--
MW-31	3/9/2015	96.53	2.90	NP	--	93.63	--
MW-31	3/16/2015	96.53	2.20	NP	--	94.33	--
MW-31	3/23/2015	96.53	1.97	NP	--	94.56	--
MW-31	3/30/2015	96.53	2.19	NP	--	94.34	--
MW-31	4/6/2015	96.53	2.93	NP	--	93.60	--
MW-31	4/22/2015	96.53	4.21	NP	--	92.32	--
MW-31	5/4/2015	96.53	4.33	NP	--	92.20	--
MW-31	5/18/2015	96.53	4.89	NP	--	91.64	--
MW-31	6/1/2015	96.53	5.57	NP	--	90.96	--
MW-31	6/15/2015	96.53	5.99	NP	--	90.54	--
MW-31	6/19/2015	96.53	6.15	NP	--	90.38	--
MW-31	6/29/2015	96.53	6.42	NP	--	90.11	--
MW-31	7/13/2015	96.53	6.77	NP	--	89.76	--
MW-31	7/28/2015	96.53	7.08	NP	--	89.45	--
MW-31	8/10/2015	96.53	7.34	NP	--	89.19	--
MW-31	8/24/2015	96.53	7.60	NP	--	88.93	--
MW-31	9/8/2015	96.53	7.05	NP	--	89.48	--
MW-31	9/21/2015	96.53	6.93	NP	--	89.60	--
MW-31	10/5/2015	96.53	--	--	--	--	NG
MW-31	10/12/2015	96.53	7.13	NP	--	89.40	--
MW-31	10/19/2015	96.53	7.26	NP	--	89.27	--
MW-31	11/2/2015	96.53	6.97	NP	--	89.56	--
MW-31	11/16/2015	96.53	4.61	NP	--	91.92	--
MW-31	11/30/2015	96.53	4.92	NP	--	91.61	--
MW-31	1/18/2016	96.53	2.45	NP	--	94.08	--
MW-31	2/1/2016	96.53	2.02	NP	--	94.51	--
MW-31	2/15/2016	96.53	0.63	NP	--	95.90	--
MW-31	3/7/2016	96.53	2.51	NP	--	94.02	--
MW-31	3/29/2016	96.53	2.05	NP	--	94.48	--
MW-31	4/5/2016	96.53	2.37	NP	--	94.16	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-31	4/19/2016	96.53	3.21	NP	--	93.32	--
MW-31	5/10/2016	96.53	4.35	NP	--	92.18	--
MW-31	5/24/2016	96.53	4.78	NP	--	91.75	--
MW-31	6/7/2016	96.53	5.13	NP	--	91.40	--
MW-31	6/21/2016	96.53	4.70	NP	--	91.83	--
MW-31	7/19/2016	96.53	5.83	NP	--	90.70	--
MW-31	8/23/2016	96.53	6.76	NP	--	89.77	--
MW-31	9/20/2016	96.53	6.10	NP	--	90.43	--
MW-31	11/8/2016	96.53	2.56	NP	--	93.97	--
MW-31	12/6/2016	96.53	2.04	NP	--	94.49	--
MW-31	3/21/2017	96.53	1.45	NP	--	95.08	--
MW-31	4/27/2017	96.53	2.95	NP	--	93.58	--
MW-31	5/30/2017	96.53	4.17	NP	--	92.36	--
MW-31	6/28/2017	96.53	5.48	NP	--	91.05	--
MW-31	8/3/2017	96.53	6.63	NP	--	89.90	--
MW-31	8/31/2017	96.53	7.25	NP	--	89.28	--
MW-31	9/26/2017	96.53	7.60	NP	--	88.93	--
MW-31	11/29/2017	96.53	3.12	NP	--	93.41	--
MW-32	11/17/2014	--	7.20	NP	--	--	--
MW-32	11/18/2014	--	7.38	NP	--	--	--
MW-32	11/19/2014	--	7.23	NP	--	--	--
MW-32	12/1/2014	97.17	5.03	NP	--	92.14	--
MW-32	12/8/2014	97.17	4.99	NP	--	92.18	--
MW-32	12/15/2014	97.17	4.62	NP	--	92.55	--
MW-32	12/22/2014	97.17	4.52	NP	--	92.65	--
MW-32	12/29/2014	97.17	4.17	NP	--	93.00	--
MW-32	1/5/2015	97.17	3.85	NP	--	93.32	--
MW-32	1/12/2015	97.17	3.78	NP	--	93.39	--
MW-32	1/13/2015	97.17	3.78	NP	--	93.39	--
MW-32	1/19/2015	97.17	3.82	NP	--	93.35	--
MW-32	1/26/2015	97.17	3.62	NP	--	93.55	--
MW-32	2/2/2015	97.17	4.04	NP	--	93.13	--
MW-32	2/9/2015	97.17	3.66	NP	--	93.51	--
MW-32	2/16/2015	97.17	3.59	NP	--	93.58	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-32	2/23/2015	97.17	3.93	NP	--	93.24	--
MW-32	3/2/2015	97.17	4.12	NP	--	93.05	--
MW-32	3/9/2015	97.17	4.57	NP	--	92.60	--
MW-32	3/16/2015	97.17	4.45	NP	--	92.72	--
MW-32	3/23/2015	97.17	4.21	NP	--	92.96	--
MW-32	3/30/2015	97.17	4.19	NP	--	92.98	--
MW-32	4/6/2015	97.17	4.70	NP	--	92.47	--
MW-32	4/22/2015	97.17	5.45	NP	--	91.72	--
MW-32	5/4/2015	97.17	5.73	NP	--	91.44	--
MW-32	5/18/2015	97.17	6.14	NP	--	91.03	--
MW-32	6/1/2015	97.17	6.61	NP	--	90.56	--
MW-32	6/15/2015	97.17	6.96	NP	--	90.21	--
MW-32	6/19/2015	97.17	7.04	NP	--	90.13	--
MW-32	6/29/2015	97.17	7.36	NP	--	89.81	--
MW-32	7/13/2015	97.17	7.82	NP	--	89.35	--
MW-32	7/28/2015	97.17	8.20	NP	--	88.97	--
MW-32	8/10/2015	97.17	8.51	NP	--	88.66	--
MW-32	8/24/2015	97.17	8.77	NP	--	88.40	--
MW-32	9/8/2015	97.17	8.28	NP	--	88.89	--
MW-32	9/21/2015	97.17	8.31	NP	--	88.86	--
MW-32	10/5/2015	97.17	8.48	NP	--	88.69	--
MW-32	10/12/2015	97.17	--	--	--	--	NG
MW-32	10/19/2015	97.17	--	--	--	--	NG
MW-32	11/2/2015	97.17	--	--	--	--	NG
MW-32	11/16/2015	97.17	--	--	--	--	WI
MW-32	11/30/2015	97.17	--	--	--	--	NG
MW-32	1/18/2016	97.17	--	--	--	--	WI
MW-32	2/1/2016	97.17	--	--	--	--	WI
MW-32	2/15/2016	97.17	--	--	--	--	NG
MW-32	3/7/2016	97.17	--	--	--	--	WI
MW-32	3/29/2016	97.17	--	--	--	--	WI
MW-32	4/5/2016	97.17	4.02	NP	--	93.15	--
MW-32	4/19/2016	97.17	4.50	NP	--	92.67	--
MW-32	5/10/2016	97.17	5.15	NP	--	92.02	--
MW-32	5/24/2016	97.17	5.82	NP	--	91.35	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-32	6/7/2016	97.17	6.15	NP	--	91.02	--
MW-32	6/21/2016	97.17	6.16	NP	--	91.01	--
MW-32	7/19/2016	97.17	6.87	NP	--	90.30	--
MW-32	8/23/2016	97.17	7.85	NP	--	89.32	--
MW-32	9/20/2016	97.17	7.50	NP	--	89.67	--
MW-32	11/8/2016	97.17	5.80	NP	--	91.37	--
MW-32	12/6/2016	97.17	4.60	NP	--	92.57	--
MW-32	3/21/2017	97.17	3.50	NP	--	93.67	--
MW-32	4/27/2017	97.17	4.48	NP	--	92.69	--
MW-32	5/30/2017	97.17	5.41	NP	--	91.76	--
MW-32	6/27/2017	97.17	6.48	NP	--	90.69	--
MW-32	8/3/2017	97.17	7.57	NP	--	89.60	--
MW-32	8/31/2017	97.17	8.36	NP	--	88.81	--
MW-32	9/26/2017	97.17	8.64	NP	--	88.53	--
MW-32	11/29/2017	97.17	6.02	NP	--	91.15	--
MW-34	11/17/2014	--	8.91	NP	--	--	--
MW-34	11/18/2014	--	9.16	8.74	0.42	--	--
MW-34	11/19/2014	--	9.10	8.79	0.31	--	--
MW-34	12/1/2014	97.59	7.47	6.14	1.33	91.12	--
MW-34	12/8/2014	97.59	7.37	6.27	1.10	91.04	--
MW-34	12/15/2014	97.59	7.32	5.70	1.62	91.48	--
MW-34	12/22/2014	97.59	7.53	5.79	1.74	91.36	--
MW-34	12/29/2014	97.59	6.65	5.50	1.15	91.80	--
MW-34	1/5/2015	97.59	5.71	4.90	0.81	92.49	--
MW-34	1/12/2015	97.59	6.22	5.16	1.06	92.17	--
MW-34	1/13/2015	97.59	6.17	5.32	0.85	92.06	--
MW-34	1/14/2015	97.59	5.99	5.48	0.51	91.98	--
MW-34	1/19/2015	97.59	5.64	5.44	0.20	92.10	--
MW-34	1/26/2015	97.59	5.40	5.10	0.30	92.41	--
MW-34	2/2/2015	97.59	6.02	5.86	0.16	91.69	--
MW-34	2/9/2015	97.59	5.35	5.21	0.14	92.35	--
MW-34	2/16/2015	97.59	5.50	5.37	0.13	92.19	--
MW-34	2/23/2015	97.59	6.05	5.98	0.07	91.59	--
MW-34	3/2/2015	97.59	6.14	6.05	0.09	91.52	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-34	3/9/2015	97.59	6.72	6.38	0.34	91.13	--
MW-34	3/16/2015	97.59	6.56	6.18	0.38	91.31	--
MW-34	3/23/2015	97.59	6.62	5.93	0.69	91.49	--
MW-34	3/30/2015	97.59	6.75	6.00	0.75	91.40	--
MW-34	4/6/2015	97.59	6.96	6.47	0.49	91.00	--
MW-34	4/7/2015	97.59	6.88	6.59	0.29	90.93	--
MW-34	4/22/2015	97.59	7.87	6.98	0.89	90.39	--
MW-34	5/4/2015	97.59	9.31	6.99	2.32	90.02	--
MW-34	5/18/2015	97.59	10.05	8.64	1.41	88.60	--
MW-34	6/1/2015	97.59	10.78	9.25	1.53	87.96	--
MW-34	6/15/2015	97.59	9.56	7.92	1.64	89.26	--
MW-34	6/19/2015	97.59	9.12	9.08	0.04	88.50	--
MW-34	6/29/2015	97.59	9.77	9.57	0.20	87.97	--
MW-34	7/13/2015	97.59	10.30	9.93	0.37	87.57	--
MW-34	7/28/2015	97.59	10.85	10.03	0.82	87.35	--
MW-34	8/10/2015	97.59	11.62	10.37	1.25	86.91	--
MW-34	8/24/2015	97.59	11.54	10.49	1.05	86.84	--
MW-34	9/8/2015	97.59	11.62	10.42	1.20	86.87	--
MW-34	9/21/2015	97.59	9.09	9.08	0.01	88.51	--
MW-34	10/5/2015	97.59	--	--	--	--	WI
MW-34	10/12/2015	97.59	10.87	8.91	1.96	88.19	--
MW-34	10/19/2015	97.59	10.86	8.90	1.96	88.20	--
MW-34	11/2/2015	97.59	10.57	8.50	2.07	88.57	--
MW-34	11/16/2015	97.59	10.35	8.22	2.13	88.84	--
MW-34	11/30/2015	97.59	8.96	6.89	2.07	90.18	--
MW-34	1/18/2016	97.59	6.66	5.66	1.00	91.68	NS
MW-34	2/1/2016	97.59	5.00	4.77	0.23	92.76	--
MW-34	2/15/2016	97.59	3.58	3.56	0.02	94.03	--
MW-34	3/7/2016	97.59	6.26	NP	--	91.33	--
MW-34	3/29/2016	97.59	4.95	4.93	0.02	92.66	--
MW-34	4/5/2016	97.59	5.36	NP	--	92.23	--
MW-34	4/19/2016	97.59	6.15	6.08	0.07	91.49	--
MW-34	5/10/2016	97.59	6.86	6.74	0.12	90.82	--
MW-34	5/24/2016	97.59	7.48	7.32	0.16	90.23	--
MW-34	6/7/2016	97.59	7.44	7.37	0.07	90.20	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-34	6/21/2016	97.59	7.23	7.21	0.02	90.37	--
MW-34	7/19/2016	97.59	8.05	8.01	0.04	89.57	--
MW-34	8/23/2016	97.59	--	--	--	--	NG
MW-34	9/20/2016	97.59	--	--	--	--	WI
MW-34	11/8/2016	97.59	8.37	6.62	1.75	90.53	--
MW-34	12/6/2016	97.59	6.36	6.35	0.01	91.24	--
MW-34	3/21/2017	97.59	4.15	NP	--	93.44	--
MW-34	4/27/2017	97.59	5.71	NP	--	91.88	--
MW-34	5/30/2017	97.59	7.03	7.01	0.02	90.57	--
MW-34	6/28/2017	97.59	7.50	7.41	0.09	90.16	--
MW-34	8/3/2017	97.59	--	--	--	--	--
MW-34	8/31/2017	97.59	10.06	9.95	0.11	87.61	--
MW-34	9/26/2017	97.59	10.03	NP	--	87.56	--
MW-34	11/29/2017	97.59	7.15	7.05	0.10	90.51	--
MW-35	12/22/2014	96.20	2.22	NP	--	93.98	--
MW-35	12/29/2014	96.20	2.46	NP	--	93.74	--
MW-35	1/5/2015	96.20	0.83	NP	--	95.37	--
MW-35	1/12/2015	96.20	1.84	NP	--	94.36	--
MW-35	1/14/2015	96.20	1.84	NP	--	94.36	--
MW-35	1/19/2015	96.20	1.67	NP	--	94.53	--
MW-35	1/26/2015	96.20	1.67	NP	--	94.53	--
MW-35	2/2/2015	96.20	2.34	NP	--	93.86	--
MW-35	2/9/2015	96.20	1.50	NP	--	94.70	--
MW-35	2/16/2015	96.20	1.85	NP	--	94.35	--
MW-35	2/23/2015	96.20	2.45	NP	--	93.75	--
MW-35	3/2/2015	96.20	2.29	NP	--	93.91	--
MW-35	3/9/2015	96.20	3.84	NP	--	92.36	--
MW-35	3/16/2015	96.20	2.08	NP	--	94.12	--
MW-35	3/23/2015	96.20	1.86	NP	--	94.34	--
MW-35	3/30/2015	96.20	2.11	NP	--	94.09	--
MW-35	4/6/2015	96.20	2.85	NP	--	93.35	--
MW-35	4/22/2015	96.20	3.92	NP	--	92.28	--
MW-35	5/4/2015	96.20	4.00	NP	--	92.20	--
MW-35	5/18/2015	96.20	4.61	NP	--	91.59	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-35	6/1/2015	96.20	5.28	NP	--	90.92	--
MW-35	6/15/2015	96.20	5.69	NP	--	90.51	--
MW-35	6/19/2015	96.20	5.84	NP	--	90.36	--
MW-35	6/29/2015	96.20	6.16	NP	--	90.04	--
MW-35	7/13/2015	96.20	6.48	NP	--	89.72	--
MW-35	7/28/2015	96.20	6.81	NP	--	89.39	--
MW-35	8/10/2015	96.20	7.07	7.06	0.01	89.14	--
MW-35	8/24/2015	96.20	7.35	NP	--	88.85	--
MW-35	9/8/2015	96.20	6.75	NP	--	89.45	--
MW-35	9/21/2015	96.20	6.68	NP	--	89.52	--
MW-35	10/5/2015	96.20	--	--	--	--	NG
MW-35	10/12/2015	96.20	7.00	NP	--	89.20	--
MW-35	10/19/2015	96.20	7.39	NP	--	88.81	--
MW-35	11/2/2015	96.20	--	--	--	--	WI
MW-35	11/16/2015	96.20	--	--	--	--	WI
MW-35	11/30/2015	96.20	--	--	--	--	--
MW-35	1/18/2016	96.20	1.95	NP	--	94.25	--
MW-35	2/1/2016	96.20	1.83	NP	--	94.37	--
MW-35	2/15/2016	96.20	--	--	--	--	NG
MW-35	3/7/2016	96.20	2.17	NP	--	94.03	--
MW-35	3/29/2016	96.20	1.98	NP	--	94.22	--
MW-35	4/5/2016	96.20	2.00	NP	--	94.20	--
MW-35	4/19/2016	96.20	2.45	NP	--	93.75	--
MW-35	5/10/2016	96.20	4.00	NP	--	92.20	--
MW-35	5/24/2016	96.20	4.45	NP	--	91.75	--
MW-35	6/7/2016	96.20	4.80	NP	--	91.40	--
MW-35	6/21/2016	96.20	4.38	NP	--	91.82	--
MW-35	7/19/2016	96.20	5.50	NP	--	90.70	--
MW-35	8/23/2016	96.20	6.49	NP	--	89.71	--
MW-35	9/20/2016	96.20	5.76	NP	--	90.44	--
MW-35	11/8/2016	96.20	2.26	NP	--	93.94	--
MW-35	12/6/2016	96.20	1.78	NP	--	94.42	--
MW-35	3/21/2017	96.20	1.15	NP	--	95.05	--
MW-35	4/27/2017	96.20	2.46	NP	--	93.74	--
MW-35	5/30/2017	96.20	3.60	NP	--	92.60	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-35	6/28/2017	96.20	5.07	NP	--	91.13	--
MW-35	8/3/2017	96.20	6.28	NP	--	89.92	--
MW-35	8/31/2017	96.20	6.92	NP	--	89.28	--
MW-35	9/26/2017	96.20	7.22	NP	--	88.98	--
MW-35	11/29/2017	96.20	3.00	NP	--	93.20	--
MW-36	12/22/2014	96.35	2.11	NP	--	94.24	--
MW-36	12/29/2014	96.35	1.78	NP	--	94.57	--
MW-36	1/5/2015	96.35	0.74	NP	--	95.61	--
MW-36	1/12/2015	96.35	1.81	NP	--	94.54	--
MW-36	1/19/2015	96.35	1.68	NP	--	94.67	--
MW-36	1/26/2015	96.35	1.52	NP	--	94.83	--
MW-36	2/2/2015	96.35	2.18	NP	--	94.17	--
MW-36	2/9/2015	96.35	1.42	NP	--	94.93	--
MW-36	2/16/2015	96.35	1.81	NP	--	94.54	--
MW-36	2/23/2015	96.35	2.35	NP	--	94.00	--
MW-36	3/2/2015	96.35	2.24	NP	--	94.11	--
MW-36	3/9/2015	96.35	2.88	NP	--	93.47	--
MW-36	3/16/2015	96.35	2.19	NP	--	94.16	--
MW-36	3/23/2015	96.35	1.85	NP	--	94.50	--
MW-36	3/30/2015	96.35	2.04	NP	--	94.31	--
MW-36	4/6/2015	96.35	2.82	NP	--	93.53	--
MW-36	4/22/2015	96.35	3.93	NP	--	92.42	--
MW-36	5/4/2015	96.35	4.10	NP	--	92.25	--
MW-36	5/18/2015	96.35	4.57	NP	--	91.78	--
MW-36	6/1/2015	96.35	5.24	NP	--	91.11	--
MW-36	6/15/2015	96.35	6.67	NP	--	89.68	--
MW-36	6/19/2015	96.35	5.78	NP	--	90.57	--
MW-36	6/29/2015	96.35	6.10	NP	--	90.25	--
MW-36	7/13/2015	96.35	6.42	NP	--	89.93	--
MW-36	7/28/2015	96.35	6.72	NP	--	89.63	--
MW-36	8/10/2015	96.35	6.94	NP	--	89.41	--
MW-36	8/24/2015	96.35	7.20	NP	--	89.15	--
MW-36	9/8/2015	96.35	6.81	NP	--	89.54	--
MW-36	9/21/2015	96.35	6.62	NP	--	89.73	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-36	10/5/2015	96.35	6.71	NP	--	89.64	--
MW-36	10/12/2015	96.35	6.75	NP	--	89.60	--
MW-36	10/19/2015	96.35	6.83	NP	--	89.52	--
MW-36	11/2/2015	96.35	6.53	NP	--	89.82	--
MW-36	11/16/2015	96.35	4.02	NP	--	92.33	--
MW-36	11/30/2015	96.35	4.40	NP	--	91.95	--
MW-36	1/18/2016	96.35	2.36	NP	--	93.99	--
MW-36	2/1/2016	96.35	1.60	NP	--	94.75	--
MW-36	2/15/2016	96.35	0.60	NP	--	95.75	--
MW-36	3/7/2016	96.35	2.30	NP	--	94.05	--
MW-36	3/29/2016	96.35	1.79	NP	--	94.56	--
MW-36	4/5/2016	96.35	2.02	NP	--	94.33	--
MW-36	4/19/2016	96.35	2.95	NP	--	93.40	--
MW-36	5/10/2016	96.35	4.12	4.07	0.05	92.27	--
MW-36	5/24/2016	96.35	4.57	4.53	0.04	91.81	--
MW-36	6/7/2016	96.35	4.91	4.84	0.07	91.49	--
MW-36	6/21/2016	96.35	4.45	NP	--	91.90	--
MW-36	7/19/2016	96.35	5.55	NP	--	90.80	--
MW-36	8/23/2016	96.35	6.52	6.46	0.06	89.88	--
MW-36	9/20/2016	96.35	5.81	NP	--	90.54	--
MW-36	11/8/2016	96.35	2.48	NP	--	93.87	--
MW-36	12/6/2016	96.35	1.85	NP	--	94.50	--
MW-36	3/21/2017	96.35	1.70	1.69	0.01	94.66	--
MW-36	4/27/2017	96.35	--	--	--	--	WI
MW-36	5/30/2017	96.35	4.00	3.91	0.09	92.42	--
MW-36	6/28/2017	96.35	5.22	NP	--	91.13	--
MW-36	8/3/2017	96.35	6.37	6.36	0.01	89.99	--
MW-36	8/31/2017	96.35	7.00	6.94	0.06	89.40	--
MW-36	9/26/2017	96.35	7.30	7.23	0.07	89.10	--
MW-36	11/29/2017	96.35	3.23	NP	--	93.12	--
MW-37	11/17/2014	--	8.82	NP	--	--	--
MW-37	11/18/2014	--	8.88	NP	--	--	--
MW-37	11/19/2014	--	8.87	NP	--	--	--
MW-37	12/1/2014	97.68	6.36	NP	--	91.32	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-37	12/8/2014	97.68	6.70	NP	--	90.98	--
MW-37	12/15/2014	97.68	6.27	NP	--	91.41	--
MW-37	12/22/2014	97.68	5.81	NP	--	91.87	--
MW-37	12/29/2014	97.68	6.02	NP	--	91.66	--
MW-37	1/5/2015	97.68	5.07	NP	--	92.61	--
MW-37	1/12/2015	97.68	5.76	NP	--	91.92	--
MW-37	1/13/2015	97.68	5.76	NP	--	91.92	--
MW-37	1/19/2015	97.68	5.78	NP	--	91.90	--
MW-37	1/26/2015	97.68	5.73	NP	--	91.95	--
MW-37	2/2/2015	97.68	6.23	NP	--	91.45	--
MW-37	2/9/2015	97.68	5.74	NP	--	91.94	--
MW-37	2/16/2015	97.68	5.90	NP	--	91.78	--
MW-37	2/23/2015	97.68	6.27	NP	--	91.41	--
MW-37	3/2/2015	97.68	6.35	NP	--	91.33	--
MW-37	3/9/2015	97.68	6.71	NP	--	90.97	--
MW-37	3/16/2015	97.68	6.42	NP	--	91.26	--
MW-37	3/23/2015	97.68	6.32	NP	--	91.36	--
MW-37	3/30/2015	97.68	6.42	NP	--	91.26	--
MW-37	4/6/2015	97.68	6.81	NP	--	90.87	--
MW-37	4/22/2015	97.68	7.31	NP	--	90.37	--
MW-37	5/4/2015	97.68	7.68	NP	--	90.00	--
MW-37	5/18/2015	97.68	7.90	NP	--	89.78	--
MW-37	6/1/2015	97.68	8.08	NP	--	89.60	--
MW-37	6/15/2015	97.68	8.21	NP	--	89.47	--
MW-37	6/19/2015	97.68	8.24	NP	--	89.44	--
MW-37	6/29/2015	97.68	8.60	NP	--	89.08	--
MW-37	7/13/2015	97.68	8.86	NP	--	88.82	--
MW-37	7/28/2015	97.68	9.01	NP	--	88.67	--
MW-37	8/10/2015	97.68	9.41	NP	--	88.27	--
MW-37	8/24/2015	97.68	9.54	NP	--	88.14	--
MW-37	9/8/2015	97.68	9.31	NP	--	88.37	--
MW-37	9/21/2015	97.68	9.24	NP	--	88.44	--
MW-37	10/5/2015	97.68	9.26	NP	--	88.42	--
MW-37	10/12/2015	97.68	9.20	NP	--	88.48	--
MW-37	10/19/2015	97.68	9.25	NP	--	88.43	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-37	11/2/2015	97.68	8.80	NP	--	88.88	--
MW-37	11/16/2015	97.68	7.63	NP	--	90.05	--
MW-37	11/30/2015	97.68	7.12	NP	--	90.56	--
MW-37	1/18/2016	97.68	6.20	NP	--	91.48	--
MW-37	2/1/2016	97.68	5.60	NP	--	92.08	--
MW-37	2/15/2016	97.68	4.95	NP	--	92.73	--
MW-37	3/7/2016	97.68	5.72	NP	--	91.96	--
MW-37	3/29/2016	97.68	5.73	NP	--	91.95	--
MW-37	4/5/2016	97.68	--	--	--	--	NG
MW-37	4/19/2016	97.68	6.35	NP	--	91.33	--
MW-37	5/10/2016	97.68	6.92	NP	--	90.76	--
MW-37	5/24/2016	97.68	7.21	NP	--	90.47	--
MW-37	6/7/2016	97.68	7.54	NP	--	90.14	--
MW-37	6/21/2016	97.68	7.37	NP	--	90.31	--
MW-37	7/19/2016	97.68	8.03	NP	--	89.65	--
MW-37	8/23/2016	97.68	8.88	NP	--	88.80	--
MW-37	9/20/2016	97.68	8.35	NP	--	89.33	--
MW-37	11/8/2016	97.68	7.80	NP	--	89.88	--
MW-37	12/6/2016	97.68	6.94	NP	--	90.74	--
MW-37	3/21/2017	97.68	5.87	NP	--	91.81	--
MW-37	4/27/2017	97.68	6.75	NP	--	90.93	--
MW-37	5/30/2017	97.68	7.58	NP	--	90.10	--
MW-37	6/28/2017	97.68	8.19	NP	--	89.49	--
MW-37	8/3/2017	97.68	8.83	NP	--	88.85	--
MW-37	8/31/2017	97.68	9.24	NP	--	88.44	--
MW-37	11/29/2017	97.68	7.96	NP	--	89.72	--
MW-38	11/17/2014	--	7.93	NP	--	--	--
MW-38	11/18/2014	--	7.96	NP	--	--	--
MW-38	11/19/2014	--	7.95	NP	--	--	--
MW-38	12/1/2014	97.39	6.47	NP	--	90.92	--
MW-38	12/8/2014	97.39	6.24	NP	--	91.15	--
MW-38	12/15/2014	97.39	5.91	NP	--	91.48	--
MW-38	12/22/2014	97.39	5.66	NP	--	91.73	--
MW-38	12/29/2014	97.39	5.13	NP	--	92.26	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-38	1/5/2015	97.39	4.59	NP	--	92.80	--
MW-38	1/12/2015	97.39	4.35	NP	--	93.04	--
MW-38	1/13/2015	97.39	4.35	NP	--	93.04	--
MW-38	1/19/2015	97.39	4.25	NP	--	93.14	--
MW-38	1/26/2015	97.39	4.07	NP	--	93.32	--
MW-38	2/2/2015	97.39	4.44	NP	--	92.95	--
MW-38	2/9/2015	97.39	4.12	NP	--	93.27	--
MW-38	2/16/2015	97.39	4.11	NP	--	93.28	--
MW-38	2/23/2015	97.39	4.53	NP	--	92.86	--
MW-38	3/2/2015	97.39	4.65	NP	--	92.74	--
MW-38	3/9/2015	97.39	4.98	NP	--	92.41	--
MW-38	3/16/2015	97.39	4.92	NP	--	92.47	--
MW-38	3/23/2015	97.39	4.76	NP	--	92.63	--
MW-38	3/30/2015	97.39	4.76	NP	--	92.63	--
MW-38	4/6/2015	97.39	5.13	NP	--	92.26	--
MW-38	4/22/2015	97.39	5.66	NP	--	91.73	--
MW-38	5/4/2015	97.39	5.88	NP	--	91.51	--
MW-38	5/18/2015	97.39	6.19	NP	--	91.20	--
MW-38	6/1/2015	97.39	6.52	NP	--	90.87	--
MW-38	6/15/2015	97.39	6.82	NP	--	90.57	--
MW-38	6/19/2015	97.39	6.90	NP	--	90.49	--
MW-38	6/29/2015	97.39	7.15	NP	--	90.24	--
MW-38	7/13/2015	97.39	7.41	NP	--	89.98	--
MW-38	8/10/2015	97.39	8.14	NP	--	89.25	--
MW-38	8/24/2015	97.39	8.45	NP	--	88.94	--
MW-38	9/8/2015	97.39	8.45	NP	--	88.94	--
MW-38	9/21/2015	97.39	8.53	NP	--	88.86	--
MW-38	10/5/2015	97.39	8.63	NP	--	88.76	--
MW-38	10/12/2015	97.39	8.65	NP	--	88.74	--
MW-38	10/19/2015	97.39	8.68	NP	--	88.71	--
MW-38	11/2/2015	97.39	8.45	NP	--	88.94	--
MW-38	11/16/2015	97.39	7.73	NP	--	89.66	--
MW-38	11/30/2015	97.39	7.28	NP	--	90.11	--
MW-38	1/18/2016	97.39	4.98	NP	--	92.41	--
MW-38	2/1/2016	97.39	4.40	NP	--	92.99	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-38	2/15/2016	97.39	3.80	NP	--	93.59	--
MW-38	3/7/2016	97.39	4.22	NP	--	93.17	--
MW-38	3/29/2016	97.39	4.23	NP	--	93.16	--
MW-38	4/5/2016	97.39	--	--	--	--	NG
MW-38	4/19/2016	97.39	4.93	NP	--	92.46	--
MW-38	5/10/2016	97.39	5.56	NP	--	91.83	--
MW-38	5/24/2016	97.39	5.87	NP	--	91.52	--
MW-38	6/7/2016	97.39	6.15	NP	--	91.24	--
MW-38	6/21/2016	97.39	6.32	NP	--	91.07	--
MW-38	7/19/2016	97.39	6.74	NP	--	90.65	--
MW-38	8/23/2016	97.39	7.43	NP	--	89.96	--
MW-38	9/20/2016	97.39	7.61	NP	--	89.78	--
MW-38	11/8/2016	97.39	7.14	NP	--	90.25	--
MW-38	12/6/2016	97.39	6.30	NP	--	91.09	--
MW-38	3/21/2017	97.39	4.05	NP	--	93.34	--
MW-38	4/27/2017	97.39	4.91	NP	--	92.48	--
MW-38	5/30/2017	97.39	5.69	NP	--	91.70	--
MW-38	6/27/2017	97.39	6.40	NP	--	90.99	--
MW-38	8/3/2017	97.39	7.23	NP	--	90.16	--
MW-38	8/31/2017	97.39	7.87	NP	--	89.52	--
MW-38	9/26/2017	97.39	8.20	NP	--	89.19	--
MW-38	11/29/2017	97.39	7.51	NP	--	89.88	--
MW-39	11/17/2014	--	8.36	NP	--	--	--
MW-39	11/18/2014	--	8.38	NP	--	--	--
MW-39	11/19/2014	--	8.35	NP	--	--	--
MW-39	12/1/2014	97.54	6.71	NP	--	90.83	--
MW-39	12/8/2014	97.54	6.50	NP	--	91.04	--
MW-39	12/15/2014	97.54	6.11	NP	--	91.43	--
MW-39	12/22/2014	97.54	6.39	NP	--	91.15	--
MW-39	12/29/2014	97.54	5.27	NP	--	92.27	--
MW-39	1/5/2015	97.54	4.00	NP	--	93.54	--
MW-39	1/12/2015	97.54	4.48	NP	--	93.06	--
MW-39	1/13/2015	97.54	4.48	NP	--	93.06	--
MW-39	1/19/2015	97.54	4.22	NP	--	93.32	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-39	1/26/2015	97.54	4.17	NP	--	93.37	--
MW-39	2/2/2015	97.54	4.68	NP	--	92.86	--
MW-39	2/9/2015	97.54	4.21	NP	--	93.33	--
MW-39	2/16/2015	97.54	4.30	NP	--	93.24	--
MW-39	2/23/2015	97.54	4.74	NP	--	92.80	--
MW-39	3/2/2015	97.54	4.82	NP	--	92.72	--
MW-39	3/9/2015	97.54	5.18	NP	--	92.36	--
MW-39	3/16/2015	97.54	4.97	NP	--	92.57	--
MW-39	3/23/2015	97.54	4.95	NP	--	92.59	--
MW-39	3/30/2015	97.54	4.98	NP	--	92.56	--
MW-39	4/6/2015	97.54	5.33	NP	--	92.21	--
MW-39	4/22/2015	97.54	5.90	NP	--	91.64	--
MW-39	5/4/2015	97.54	6.12	NP	--	91.42	--
MW-39	5/18/2015	97.54	6.44	NP	--	91.10	--
MW-39	6/1/2015	97.54	6.78	NP	--	90.76	--
MW-39	6/15/2015	97.54	7.06	NP	--	90.48	--
MW-39	6/19/2015	97.54	7.14	NP	--	90.40	--
MW-39	6/29/2015	97.54	7.40	NP	--	90.14	--
MW-39	7/13/2015	97.54	7.67	NP	--	89.87	--
MW-39	7/28/2015	97.54	8.02	NP	--	89.52	--
MW-39	8/10/2015	97.54	8.33	NP	--	89.21	--
MW-39	8/24/2015	97.54	8.62	NP	--	88.92	--
MW-39	9/8/2015	97.54	8.46	NP	--	89.08	--
MW-39	9/21/2015	97.54	8.56	NP	--	88.98	--
MW-39	10/5/2015	97.54	8.81	NP	--	88.73	--
MW-39	10/12/2015	97.54	8.80	NP	--	88.74	--
MW-39	10/19/2015	97.54	8.84	NP	--	88.70	--
MW-39	11/2/2015	97.54	8.51	NP	--	89.03	--
MW-39	11/16/2015	97.54	7.82	NP	--	89.72	--
MW-39	11/30/2015	97.54	7.46	NP	--	90.08	--
MW-39	1/18/2016	97.54	5.24	NP	--	92.30	--
MW-39	2/1/2016	97.54	4.65	NP	--	92.89	--
MW-39	2/15/2016	97.54	3.12	NP	--	94.42	--
MW-39	3/7/2016	97.54	4.24	NP	--	93.30	--
MW-39	3/29/2016	97.54	4.23	NP	--	93.31	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-39	4/5/2016	97.54	--	--	--	--	NG
MW-39	4/19/2016	97.54	5.16	NP	--	92.38	--
MW-39	5/10/2016	97.54	5.80	NP	--	91.74	--
MW-39	5/24/2016	97.54	6.16	NP	--	91.38	--
MW-39	6/7/2016	97.54	6.45	NP	--	91.09	--
MW-39	6/21/2016	97.54	6.63	NP	--	90.91	--
MW-39	7/19/2016	97.54	7.01	NP	--	90.53	--
MW-39	8/23/2016	97.54	7.75	NP	--	89.79	--
MW-39	9/20/2016	97.54	7.92	NP	--	89.62	--
MW-39	11/8/2016	97.54	7.43	NP	--	90.11	--
MW-39	12/6/2016	97.54	6.65	NP	--	90.89	--
MW-39	3/21/2017	97.54	4.34	NP	--	93.20	--
MW-39	4/27/2017	97.54	5.27	NP	--	92.27	--
MW-39	5/30/2017	97.54	6.00	NP	--	91.54	--
MW-39	6/28/2017	97.54	6.76	NP	--	90.78	--
MW-39	8/3/2017	97.54	7.59	NP	--	89.95	--
MW-39	8/31/2017	97.54	8.28	NP	--	89.26	--
MW-39	11/29/2017	97.54	7.74	NP	--	89.80	--
MW-40	11/18/2014	--	7.72	NP	--	--	--
MW-40	11/19/2014	--	7.75	NP	--	--	--
MW-40	12/1/2014	97.98	5.99	NP	--	91.99	--
MW-40	12/8/2014	97.98	5.97	NP	--	92.01	--
MW-40	12/15/2014	97.98	5.52	NP	--	92.46	--
MW-40	12/22/2014	97.98	5.44	NP	--	92.54	--
MW-40	12/29/2014	97.98	5.03	NP	--	92.95	--
MW-40	1/5/2015	97.98	4.83	NP	--	93.15	--
MW-40	1/12/2015	97.98	4.58	NP	--	93.40	--
MW-40	1/19/2015	97.98	4.70	NP	--	93.28	--
MW-40	1/26/2015	97.98	4.38	NP	--	93.60	--
MW-40	2/2/2015	97.98	4.85	NP	--	93.13	--
MW-40	2/9/2015	97.98	4.29	NP	--	93.69	--
MW-40	2/16/2015	97.98	4.49	NP	--	93.49	--
MW-40	2/23/2015	97.98	4.90	NP	--	93.08	--
MW-40	3/2/2015	97.98	5.01	NP	--	92.97	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-40	3/9/2015	97.98	5.54	NP	--	92.44	--
MW-40	3/16/2015	97.98	5.42	NP	--	92.56	--
MW-40	3/23/2015	97.98	5.03	NP	--	92.95	--
MW-40	3/30/2015	97.98	5.06	NP	--	92.92	--
MW-40	4/6/2015	97.98	5.46	NP	--	92.52	--
MW-40	4/22/2015	97.98	6.08	NP	--	91.90	--
MW-40	5/4/2015	97.98	6.31	NP	--	91.67	--
MW-40	5/18/2015	97.98	6.60	NP	--	91.38	--
MW-40	6/1/2015	97.98	6.98	NP	--	91.00	--
MW-40	6/15/2015	97.98	7.22	NP	--	90.76	--
MW-40	6/19/2015	97.98	7.30	NP	--	90.68	--
MW-40	6/29/2015	97.98	7.50	NP	--	90.48	--
MW-40	7/13/2015	97.98	7.72	NP	--	90.26	--
MW-40	7/28/2015	97.98	7.96	NP	--	90.02	--
MW-40	8/10/2015	97.98	8.22	NP	--	89.76	--
MW-40	8/24/2015	97.98	8.43	NP	--	89.55	--
MW-40	9/8/2015	97.98	8.57	NP	--	89.41	--
MW-40	9/21/2015	97.98	8.60	NP	--	89.38	--
MW-40	10/5/2015	97.98	8.66	NP	--	89.32	--
MW-40	10/12/2015	97.98	8.71	NP	--	89.27	--
MW-40	10/19/2015	97.98	8.76	NP	--	89.22	--
MW-40	11/2/2015	97.98	8.67	NP	--	89.31	--
MW-40	11/16/2015	97.98	7.51	NP	--	90.47	--
MW-40	11/30/2015	97.98	6.55	NP	--	91.43	--
MW-40	1/18/2016	97.98	5.19	NP	--	92.79	--
MW-40	2/1/2016	97.98	4.54	NP	--	93.44	--
MW-40	2/15/2016	97.98	4.33	NP	--	93.65	--
MW-40	3/7/2016	97.98	4.54	NP	--	93.44	--
MW-40	3/29/2016	97.98	4.59	NP	--	93.39	--
MW-40	4/5/2016	97.98	--	--	--	--	NG
MW-40	4/19/2016	97.98	5.28	NP	--	92.70	--
MW-40	5/10/2016	97.98	5.90	NP	--	92.08	--
MW-40	5/24/2016	97.98	6.37	NP	--	91.61	--
MW-40	6/7/2016	97.98	6.68	NP	--	91.30	--
MW-40	6/21/2016	97.98	6.76	NP	--	91.22	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-40	7/19/2016	97.98	7.19	NP	--	90.79	--
MW-40	8/23/2016	97.98	7.80	NP	--	90.18	--
MW-40	9/20/2016	97.98	7.89	NP	--	90.09	--
MW-40	11/8/2016	97.98	6.77	NP	--	91.21	--
MW-40	12/6/2016	97.98	5.59	NP	--	92.39	--
MW-40	3/21/2017	97.98	4.32	NP	--	93.66	--
MW-40	4/27/2017	97.98	5.29	NP	--	92.69	--
MW-40	5/30/2017	97.98	6.05	NP	--	91.93	--
MW-40	6/28/2017	97.98	6.92	NP	--	91.06	--
MW-40	8/3/2017	97.98	7.65	NP	--	90.33	--
MW-40	8/31/2017	97.98	8.18	NP	--	89.80	--
MW-40	11/29/2017	97.98	7.40	NP	--	90.58	--
MW-41	11/18/2014	--	5.92	NP	--	--	--
MW-41	11/19/2014	--	6.04	NP	--	--	--
MW-41	12/1/2014	98.28	3.71	NP	--	94.57	--
MW-41	12/8/2014	98.28	3.97	NP	--	94.31	--
MW-41	12/15/2014	98.28	3.48	NP	--	94.80	--
MW-41	12/22/2014	98.28	3.33	NP	--	94.95	--
MW-41	12/29/2014	98.28	3.01	NP	--	95.27	--
MW-41	1/5/2015	98.28	2.35	NP	--	95.93	--
MW-41	1/12/2015	98.28	3.28	NP	--	95.00	--
MW-41	1/19/2015	98.28	3.01	NP	--	95.27	--
MW-41	1/26/2015	98.28	2.84	NP	--	95.44	--
MW-41	2/2/2015	98.28	3.73	NP	--	94.55	--
MW-41	2/9/2015	98.28	2.71	NP	--	95.57	--
MW-41	2/16/2015	98.28	3.25	NP	--	95.03	--
MW-41	2/23/2015	98.28	3.84	NP	--	94.44	--
MW-41	3/2/2015	98.28	4.65	NP	--	93.63	--
MW-41	3/9/2015	98.28	4.55	NP	--	93.73	--
MW-41	3/16/2015	98.28	3.11	NP	--	95.17	--
MW-41	3/23/2015	98.28	3.31	NP	--	94.97	--
MW-41	3/30/2015	98.28	3.78	NP	--	94.50	--
MW-41	4/6/2015	98.28	4.74	NP	--	93.54	--
MW-41	4/22/2015	98.28	6.22	NP	--	92.06	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-41	5/4/2015	98.28	6.54	NP	--	91.74	--
MW-41	5/18/2015	98.28	7.09	NP	--	91.19	--
MW-41	6/1/2015	98.28	7.81	NP	--	90.47	--
MW-41	6/15/2015	98.28	8.28	NP	--	90.00	--
MW-41	6/19/2015	98.28	8.45	NP	--	89.83	--
MW-41	6/29/2015	98.28	8.80	NP	--	89.48	--
MW-41	7/13/2015	98.28	9.16	NP	--	89.12	--
MW-41	7/28/2015	98.28	9.48	NP	--	88.80	--
MW-41	8/10/2015	98.28	9.82	NP	--	88.46	--
MW-41	8/24/2015	98.28	10.05	NP	--	88.23	--
MW-41	9/8/2015	98.28	9.44	NP	--	88.84	--
MW-41	9/21/2015	98.28	9.34	NP	--	88.94	--
MW-41	10/5/2015	98.28	9.44	NP	--	88.84	--
MW-41	10/12/2015	98.28	9.46	NP	--	88.82	--
MW-41	10/19/2015	98.28	9.49	NP	--	88.79	--
MW-41	11/2/2015	98.28	7.35	NP	--	90.93	--
MW-41	11/16/2015	98.28	3.60	NP	--	94.68	--
MW-41	11/30/2015	98.28	5.70	NP	--	92.58	--
MW-41	1/18/2016	98.28	3.45	NP	--	94.83	--
MW-41	2/1/2016	98.28	2.79	NP	--	95.49	--
MW-41	2/15/2016	98.28	2.38	NP	--	95.90	--
MW-41	3/7/2016	98.28	3.25	NP	--	95.03	--
MW-41	3/29/2016	98.28	3.24	NP	--	95.04	--
MW-41	4/5/2016	98.28	3.45	NP	--	94.83	--
MW-41	4/19/2016	98.28	5.07	NP	--	93.21	--
MW-41	5/10/2016	98.28	6.59	NP	--	91.69	--
MW-41	5/24/2016	98.28	6.98	NP	--	91.30	--
MW-41	6/7/2016	98.28	7.45	NP	--	90.83	--
MW-41	6/21/2016	98.28	6.83	NP	--	91.45	--
MW-41	7/19/2016	98.28	8.18	NP	--	90.10	--
MW-41	8/23/2016	98.28	9.16	NP	--	89.12	--
MW-41	9/20/2016	98.28	8.31	NP	--	89.97	--
MW-41	11/8/2016	98.28	3.79	NP	--	94.49	--
MW-41	12/6/2016	98.28	3.29	NP	--	94.99	--
MW-41	3/21/2017	98.28	2.82	NP	--	95.46	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
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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-41	4/27/2017	98.28	4.61	NP	--	93.67	--
MW-41	5/30/2017	98.28	6.50	NP	--	91.78	--
MW-41	6/28/2017	98.28	7.86	NP	--	90.42	--
MW-41	8/3/2017	98.28	9.00	NP	--	89.28	--
MW-41	8/31/2017	98.28	9.64	NP	--	88.64	--
MW-41	9/26/2017	98.28	9.85	NP	--	88.43	--
MW-41	11/29/2017	98.28	3.66	NP	--	94.62	--
MW-42	11/18/2014	--	5.74	NP	--	--	--
MW-42	11/19/2014	--	5.53	NP	--	--	--
MW-42	12/1/2014	97.88	3.57	NP	--	94.31	--
MW-42	12/8/2014	97.88	3.64	NP	--	94.24	--
MW-42	12/15/2014	97.88	3.18	NP	--	94.70	--
MW-42	12/22/2014	97.88	3.16	NP	--	94.72	--
MW-42	12/29/2014	97.88	2.93	NP	--	94.95	--
MW-42	1/5/2015	97.88	2.16	NP	--	95.72	--
MW-42	1/12/2015	97.88	3.02	NP	--	94.86	--
MW-42	1/19/2015	97.88	2.66	NP	--	95.22	--
MW-42	1/26/2015	97.88	2.72	NP	--	95.16	--
MW-42	2/2/2015	97.88	3.28	NP	--	94.60	--
MW-42	2/9/2015	97.88	2.66	NP	--	95.22	--
MW-42	2/16/2015	97.88	2.96	NP	--	94.92	--
MW-42	2/23/2015	97.88	3.43	NP	--	94.45	--
MW-42	3/2/2015	97.88	3.29	NP	--	94.59	--
MW-42	3/9/2015	97.88	4.04	NP	--	93.84	--
MW-42	3/16/2015	97.88	2.91	NP	--	94.97	--
MW-42	3/23/2015	97.88	3.03	NP	--	94.85	--
MW-42	3/30/2015	97.88	3.30	NP	--	94.58	--
MW-42	4/6/2015	97.88	4.22	NP	--	93.66	--
MW-42	4/22/2015	97.88	5.57	NP	--	92.31	--
MW-42	5/4/2015	97.88	5.85	NP	--	92.03	--
MW-42	5/18/2015	97.88	6.35	NP	--	91.53	--
MW-42	6/1/2015	97.88	7.08	NP	--	90.80	--
MW-42	6/15/2015	97.88	7.54	NP	--	90.34	--
MW-42	6/19/2015	97.88	7.72	NP	--	90.16	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
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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-42	6/29/2015	97.88	8.00	NP	--	89.88	--
MW-42	7/13/2015	97.88	8.31	NP	--	89.57	--
MW-42	7/28/2015	97.88	8.69	NP	--	89.19	--
MW-42	8/10/2015	97.88	8.98	NP	--	88.90	--
MW-42	8/24/2015	97.88	9.23	NP	--	88.65	--
MW-42	9/8/2015	97.88	8.60	NP	--	89.28	--
MW-42	9/21/2015	97.88	8.55	NP	--	89.33	--
MW-42	10/5/2015	97.88	8.72	NP	--	89.16	--
MW-42	10/12/2015	97.88	8.47	NP	--	89.41	--
MW-42	10/19/2015	97.88	8.97	NP	--	88.91	--
MW-42	11/2/2015	97.88	7.99	NP	--	89.89	--
MW-42	11/16/2015	97.88	4.82	NP	--	93.06	--
MW-42	11/30/2015	97.88	5.94	NP	--	91.94	--
MW-42	1/18/2016	97.88	3.37	NP	--	94.51	--
MW-42	2/1/2016	97.88	2.82	NP	--	95.06	--
MW-42	2/15/2016	97.88	2.08	NP	--	95.80	--
MW-42	3/7/2016	97.88	3.41	NP	--	94.47	--
MW-42	3/29/2016	97.88	3.09	NP	--	94.79	--
MW-42	4/5/2016	97.88	3.22	NP	--	94.66	--
MW-42	4/19/2016	97.88	4.51	NP	--	93.37	--
MW-42	5/10/2016	97.88	5.94	NP	--	91.94	--
MW-42	5/24/2016	97.88	6.25	NP	--	91.63	--
MW-42	6/7/2016	97.88	6.68	NP	--	91.20	--
MW-42	6/21/2016	97.88	6.21	NP	--	91.67	--
MW-42	7/19/2016	97.88	7.42	NP	--	90.46	--
MW-42	8/23/2016	97.88	8.38	NP	--	89.50	--
MW-42	9/20/2016	97.88	7.56	NP	--	90.32	--
MW-42	11/8/2016	97.88	3.50	NP	--	94.38	--
MW-42	12/6/2016	97.88	3.18	NP	--	94.70	--
MW-42	3/21/2017	97.88	2.60	NP	--	95.28	--
MW-42	4/27/2017	97.88	4.15	NP	--	93.73	--
MW-42	5/30/2017	97.88	5.78	NP	--	92.10	--
MW-42	6/28/2017	97.88	7.03	NP	--	90.85	--
MW-42	8/3/2017	97.88	8.24	NP	--	89.64	--
MW-42	8/31/2017	97.88	8.89	NP	--	88.99	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
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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-42	11/29/2017	97.88	3.84	NP	--	94.04	--
MW-43	11/18/2014	--	4.67	NP	--	--	--
MW-43	11/19/2014	--	4.79	NP	--	--	--
MW-43	12/1/2014	97.11	2.92	NP	--	94.19	--
MW-43	12/8/2014	97.11	3.06	NP	--	94.05	--
MW-43	12/15/2014	97.11	2.68	NP	--	94.43	--
MW-43	12/22/2014	97.11	2.71	NP	--	94.40	--
MW-43	12/29/2014	97.11	2.56	NP	--	94.55	--
MW-43	1/5/2015	97.11	1.95	NP	--	95.16	--
MW-43	1/12/2015	97.11	2.65	NP	--	94.46	--
MW-43	1/19/2015	97.11	2.31	NP	--	94.80	--
MW-43	1/26/2015	97.11	2.37	NP	--	94.74	--
MW-43	2/2/2015	97.11	2.81	NP	--	94.30	--
MW-43	2/9/2015	97.11	2.27	NP	--	94.84	--
MW-43	2/16/2015	97.11	2.57	NP	--	94.54	--
MW-43	2/23/2015	97.11	2.97	NP	--	94.14	--
MW-43	3/2/2015	97.11	2.86	NP	--	94.25	--
MW-43	3/9/2015	97.11	3.54	NP	--	93.57	--
MW-43	3/16/2015	97.11	2.62	NP	--	94.49	--
MW-43	3/23/2015	97.11	2.58	NP	--	94.53	--
MW-43	3/30/2015	97.11	2.81	NP	--	94.30	--
MW-43	4/6/2015	97.11	3.72	NP	--	93.39	--
MW-43	4/22/2015	97.11	5.19	NP	--	91.92	--
MW-43	5/4/2015	97.11	5.37	NP	--	91.74	--
MW-43	5/18/2015	97.11	5.88	NP	--	91.23	--
MW-43	6/1/2015	97.11	6.51	NP	--	90.60	--
MW-43	6/15/2015	97.11	6.99	NP	--	90.12	--
MW-43	6/19/2015	97.11	7.15	NP	--	89.96	--
MW-43	6/29/2015	97.11	7.50	NP	--	89.61	--
MW-43	7/13/2015	97.11	7.97	NP	--	89.14	--
MW-43	7/28/2015	97.11	8.32	NP	--	88.79	--
MW-43	8/10/2015	97.11	8.65	NP	--	88.46	--
MW-43	8/24/2015	97.11	8.89	NP	--	88.22	--
MW-43	9/8/2015	97.11	5.32	NP	--	91.79	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
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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-43	9/21/2015	97.11	8.27	NP	--	88.84	--
MW-43	10/5/2015	97.11	8.34	NP	--	88.77	--
MW-43	10/12/2015	97.11	8.40	NP	--	88.71	--
MW-43	10/19/2015	97.11	8.45	NP	--	88.66	--
MW-43	11/2/2015	97.11	7.05	NP	--	90.06	--
MW-43	11/16/2015	97.11	3.50	NP	--	93.61	--
MW-43	11/30/2015	97.11	4.64	NP	--	92.47	--
MW-43	1/18/2016	97.11	2.92	NP	--	94.19	--
MW-43	2/1/2016	97.11	2.42	NP	--	94.69	--
MW-43	2/15/2016	97.11	1.94	NP	--	95.17	--
MW-43	3/7/2016	97.11	2.94	NP	--	94.17	--
MW-43	3/29/2016	97.11	2.57	NP	--	94.54	--
MW-43	4/5/2016	97.11	2.76	NP	--	94.35	--
MW-43	4/19/2016	97.11	4.02	NP	--	93.09	--
MW-43	5/10/2016	97.11	5.47	NP	--	91.64	--
MW-43	5/24/2016	97.11	5.85	NP	--	91.26	--
MW-43	6/7/2016	97.11	6.21	NP	--	90.90	--
MW-43	6/21/2016	97.11	5.71	NP	--	91.40	--
MW-43	7/19/2016	97.11	6.88	NP	--	90.23	--
MW-43	8/23/2016	97.11	8.03	NP	--	89.08	--
MW-43	9/20/2016	97.11	7.03	NP	--	90.08	--
MW-43	11/8/2016	97.11	2.90	NP	--	94.21	--
MW-43	12/6/2016	97.11	2.69	NP	--	94.42	--
MW-43	3/21/2017	97.11	2.06	NP	--	95.05	--
MW-43	4/27/2017	97.11	3.66	NP	--	93.45	--
MW-43	5/30/2017	97.11	5.33	NP	--	91.78	--
MW-43	6/28/2017	97.11	6.52	NP	--	90.59	--
MW-43	8/3/2017	97.11	7.82	NP	--	89.29	--
MW-43	8/31/2017	97.11	8.57	NP	--	88.54	--
MW-43	9/26/2017	97.11	8.82	NP	--	88.29	--
MW-43	11/29/2017	97.11	3.15	NP	--	93.96	--
MW-44	11/18/2014	--	3.97	NP	--	--	--
MW-44	11/19/2014	--	3.78	NP	--	--	--
MW-44	12/1/2014	96.67	1.97	NP	--	94.70	--

TABLE 1
Groundwater Gauging Data
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-44	12/8/2014	96.67	2.10	NP	--	94.57	--
MW-44	12/15/2014	96.67	1.77	NP	--	94.90	--
MW-44	12/22/2014	96.67	1.78	NP	--	94.89	--
MW-44	12/29/2014	96.67	1.62	NP	--	95.05	--
MW-44	1/5/2015	96.67	1.22	NP	--	95.45	--
MW-44	1/12/2015	96.67	1.70	NP	--	94.97	--
MW-44	1/19/2015	96.67	1.55	NP	--	95.12	--
MW-44	1/26/2015	96.67	1.53	NP	--	95.14	--
MW-44	2/2/2015	96.67	1.86	NP	--	94.81	--
MW-44	2/9/2015	96.67	1.50	NP	--	95.17	--
MW-44	2/16/2015	96.67	1.66	NP	--	95.01	--
MW-44	2/23/2015	96.67	1.99	NP	--	94.68	--
MW-44	3/2/2015	96.67	1.88	NP	--	94.79	--
MW-44	3/9/2015	96.67	2.56	NP	--	94.11	--
MW-44	3/16/2015	96.67	1.74	NP	--	94.93	--
MW-44	3/23/2015	96.67	1.70	NP	--	94.97	--
MW-44	3/30/2015	96.67	1.91	NP	--	94.76	--
MW-44	4/6/2015	96.67	2.80	NP	--	93.87	--
MW-44	4/22/2015	96.67	4.34	NP	--	92.33	--
MW-44	5/4/2015	96.67	4.62	NP	--	92.05	--
MW-44	5/18/2015	96.67	5.12	NP	--	91.55	--
MW-44	6/1/2015	96.67	5.90	NP	--	90.77	--
MW-44	6/15/2015	96.67	6.37	NP	--	90.30	--
MW-44	6/19/2015	96.67	6.55	NP	--	90.12	--
MW-44	6/29/2015	96.67	6.81	NP	--	89.86	--
MW-44	7/13/2015	96.67	7.20	NP	--	89.47	--
MW-44	7/28/2015	96.67	7.53	NP	--	89.14	--
MW-44	8/10/2015	96.67	7.83	NP	--	88.84	--
MW-44	8/24/2015	96.67	8.06	NP	--	88.61	--
MW-44	9/8/2015	96.67	7.77	NP	--	88.90	--
MW-44	9/21/2015	96.67	7.55	NP	--	89.12	--
MW-44	10/5/2015	96.67	7.55	NP	--	89.12	--
MW-44	10/12/2015	96.67	7.58	NP	--	89.09	--
MW-44	10/19/2015	96.67	7.52	NP	--	89.15	--
MW-44	11/2/2015	96.67	5.09	NP	--	91.58	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-44	11/16/2015	96.67	2.25	NP	--	94.42	--
MW-44	11/30/2015	96.67	3.21	NP	--	93.46	--
MW-44	1/18/2016	96.67	2.07	NP	--	94.60	--
MW-44	2/1/2016	96.67	1.70	NP	--	94.97	--
MW-44	2/15/2016	96.67	--	--	--	--	WI
MW-44	3/7/2016	96.67	2.09	NP	--	94.58	--
MW-44	3/29/2016	96.67	1.80	NP	--	94.87	--
MW-44	4/5/2016	96.67	1.95	NP	--	94.72	--
MW-44	4/19/2016	96.67	3.18	NP	--	93.49	--
MW-44	5/10/2016	96.67	4.76	NP	--	91.91	--
MW-44	5/24/2016	96.67	5.19	NP	--	91.48	--
MW-44	6/7/2016	96.67	5.62	NP	--	91.05	--
MW-44	6/21/2016	96.67	5.20	NP	--	91.47	--
MW-44	7/19/2016	96.67	6.33	NP	--	90.34	--
MW-44	8/23/2016	96.67	7.29	NP	--	89.38	--
MW-44	9/20/2016	96.67	6.24	NP	--	90.43	--
MW-44	11/8/2016	96.67	1.93	NP	--	94.74	--
MW-44	12/6/2016	96.67	1.88	NP	--	94.79	--
MW-44	3/21/2017	96.67	1.57	NP	--	95.10	--
MW-44	4/27/2017	96.67	2.82	NP	--	93.85	--
MW-44	5/30/2017	96.67	4.65	NP	--	92.02	--
MW-44	6/28/2017	96.67	6.00	NP	--	90.67	--
MW-44	8/3/2017	96.67	7.16	NP	--	89.51	--
MW-44	8/31/2017	96.67	7.81	NP	--	88.86	--
MW-44	9/26/2017	96.67	8.09	NP	--	88.58	--
MW-44	11/29/2017	96.67	2.35	NP	--	94.32	--
MW-45	11/17/2014	--	8.56	NP	--	--	--
MW-45	11/18/2014	--	8.30	NP	--	--	--
MW-45	11/19/2014	--	8.30	NP	--	--	--
MW-45	12/1/2014	97.23	6.32	NP	--	90.91	--
MW-45	12/8/2014	97.23	6.06	6.05	0.01	91.18	--
MW-45	12/15/2014	97.23	5.80	NP	--	91.43	--
MW-45	12/22/2014	97.23	5.63	NP	--	91.60	--
MW-45	12/29/2014	97.23	5.23	NP	--	92.00	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-45	1/5/2015	97.23	4.66	NP	--	92.57	--
MW-45	1/12/2015	97.23	4.43	NP	--	92.80	--
MW-45	1/13/2015	97.23	4.43	NP	--	92.80	--
MW-45	1/19/2015	97.23	4.42	NP	--	92.81	--
MW-45	1/26/2015	97.23	4.15	NP	--	93.08	--
MW-45	2/2/2015	97.23	4.67	NP	--	92.56	--
MW-45	2/9/2015	97.23	4.15	NP	--	93.08	--
MW-45	2/16/2015	97.23	4.13	NP	--	93.10	--
MW-45	2/23/2015	97.23	4.68	NP	--	92.55	--
MW-45	3/2/2015	97.23	4.88	NP	--	92.35	--
MW-45	3/9/2015	97.23	5.32	NP	--	91.91	--
MW-45	3/16/2015	97.23	5.31	NP	--	91.92	--
MW-45	3/23/2015	97.23	5.11	NP	--	92.12	--
MW-45	3/30/2015	97.23	5.10	NP	--	92.13	--
MW-45	4/6/2015	97.23	5.43	NP	--	91.80	--
MW-45	4/22/2015	97.23	6.12	NP	--	91.11	--
MW-45	5/4/2015	97.23	6.50	NP	--	90.73	--
MW-45	5/18/2015	97.23	6.80	NP	--	90.43	--
MW-45	6/1/2015	97.23	7.15	NP	--	90.08	--
MW-45	6/15/2015	97.23	7.34	NP	--	89.89	--
MW-45	6/19/2015	97.23	7.46	NP	--	89.77	--
MW-45	6/29/2015	97.23	7.82	NP	--	89.41	--
MW-45	7/13/2015	97.23	8.12	NP	--	89.11	--
MW-45	7/28/2015	97.23	8.39	NP	--	88.84	--
MW-45	8/10/2015	97.23	8.78	NP	--	88.45	--
MW-45	8/24/2015	97.23	9.00	NP	--	88.23	--
MW-45	9/8/2015	97.23	8.85	NP	--	88.38	--
MW-45	9/21/2015	97.23	8.83	NP	--	88.40	--
MW-45	10/5/2015	97.23	8.88	NP	--	88.35	--
MW-45	10/12/2015	97.23	8.85	NP	--	88.38	--
MW-45	10/19/2015	97.23	8.87	NP	--	88.36	--
MW-45	11/2/2015	97.23	8.53	NP	--	88.70	--
MW-45	11/16/2015	97.23	7.56	NP	--	89.67	--
MW-45	11/30/2015	97.23	7.00	NP	--	90.23	--
MW-45	1/18/2016	97.23	5.06	NP	--	92.17	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-45	2/1/2016	97.23	4.41	NP	--	92.82	--
MW-45	2/15/2016	97.23	4.01	NP	--	93.22	--
MW-45	3/7/2016	97.23	4.15	NP	--	93.08	--
MW-45	3/29/2016	97.23	4.16	NP	--	93.07	--
MW-45	4/5/2016	97.23	--	--	--	--	NG
MW-45	4/19/2016	97.23	4.97	NP	--	92.26	--
MW-45	5/10/2016	97.23	--	--	--	--	WI
MW-45	5/24/2016	97.23	6.10	NP	--	91.13	--
MW-45	6/7/2016	97.23	6.53	NP	--	90.70	--
MW-45	6/21/2016	97.23	6.65	NP	--	90.58	--
MW-45	7/19/2016	97.23	7.15	NP	--	90.08	--
MW-45	8/23/2016	97.23	7.98	NP	--	89.25	--
MW-45	9/20/2016	97.23	--	--	--	--	NG
MW-45	11/8/2016	97.23	7.16	NP	--	90.07	--
MW-45	12/6/2016	97.23	6.10	NP	--	91.13	--
MW-45	3/21/2017	97.23	3.98	NP	--	93.25	--
MW-45	4/27/2017	97.23	5.09	NP	--	92.14	--
MW-45	5/30/2017	97.23	5.96	NP	--	91.27	--
MW-45	6/27/2017	97.23	6.96	NP	--	90.27	--
MW-45	8/3/2017	97.23	7.75	NP	--	89.48	--
MW-45	8/31/2017	97.23	8.48	NP	--	88.75	--
MW-45	9/26/2017	97.23	8.71	NP	--	88.52	--
MW-45	11/29/2017	97.23	7.43	NP	--	89.80	--
MW-47	12/22/2014	97.42	5.69	NP	--	91.73	--
MW-47	12/29/2014	97.42	5.14	NP	--	92.28	--
MW-47	1/5/2015	97.42	4.38	NP	--	93.04	--
MW-47	1/12/2015	97.42	4.34	NP	--	93.08	--
MW-47	1/13/2015	97.42	4.34	NP	--	93.08	--
MW-47	1/19/2015	97.42	4.16	NP	--	93.26	--
MW-47	1/26/2015	97.42	4.04	NP	--	93.38	--
MW-47	2/2/2015	97.42	4.46	NP	--	92.96	--
MW-47	2/9/2015	97.42	4.06	NP	--	93.36	--
MW-47	2/16/2015	97.42	4.12	NP	--	93.30	--
MW-47	2/23/2015	97.42	4.53	NP	--	92.89	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-47	3/2/2015	97.42	4.64	NP	--	92.78	--
MW-47	3/9/2015	97.42	4.99	NP	--	92.43	--
MW-47	3/16/2015	97.42	4.89	NP	--	92.53	--
MW-47	3/23/2015	97.42	4.77	NP	--	92.65	--
MW-47	3/30/2015	97.42	4.76	NP	--	92.66	--
MW-47	4/6/2015	97.42	5.06	NP	--	92.36	--
MW-47	4/22/2015	97.42	5.68	NP	--	91.74	--
MW-47	5/4/2015	97.42	5.93	NP	--	91.49	--
MW-47	5/18/2015	97.42	6.22	NP	--	91.20	--
MW-47	6/1/2015	97.42	6.54	NP	--	90.88	--
MW-47	6/15/2015	97.42	6.80	NP	--	90.62	--
MW-47	6/19/2015	97.42	6.89	NP	--	90.53	--
MW-47	6/29/2015	97.42	7.10	NP	--	90.32	--
MW-47	7/13/2015	97.42	7.35	NP	--	90.07	--
MW-47	7/28/2015	97.42	7.63	NP	--	89.79	--
MW-47	8/10/2015	97.42	7.91	NP	--	89.51	--
MW-47	8/24/2015	97.42	8.16	NP	--	89.26	--
MW-47	9/8/2015	97.42	8.20	NP	--	89.22	--
MW-47	9/21/2015	97.42	8.34	NP	--	89.08	--
MW-47	10/5/2015	97.42	--	--	--	--	NG
MW-47	10/12/2015	97.42	8.52	NP	--	88.90	--
MW-47	10/19/2015	97.42	8.57	NP	--	88.85	--
MW-47	11/2/2015	97.42	8.40	NP	--	89.02	--
MW-47	11/16/2015	97.42	7.97	NP	--	89.45	--
MW-47	11/30/2015	97.42	7.45	NP	--	89.97	--
MW-47	1/18/2016	97.42	--	--	--	--	WI
MW-47	2/1/2016	97.42	--	--	--	--	WI
MW-47	2/15/2016	97.42	3.66	NP	--	93.76	--
MW-47	3/7/2016	97.42	4.33	NP	--	93.09	--
MW-47	3/29/2016	97.42	4.32	NP	--	93.10	--
MW-47	4/5/2016	97.42	--	--	--	--	NG
MW-47	4/19/2016	97.42	5.00	NP	--	92.42	--
MW-47	5/10/2016	97.42	5.64	NP	--	91.78	--
MW-47	5/24/2016	97.42	6.00	NP	--	91.42	--
MW-47	6/7/2016	97.42	6.26	NP	--	91.16	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-47	6/21/2016	97.42	6.46	NP	--	90.96	--
MW-47	7/19/2016	97.42	6.80	NP	--	90.62	--
MW-47	8/23/2016	97.42	7.44	NP	--	89.98	--
MW-47	9/20/2016	97.42	7.68	NP	--	89.74	--
MW-47	11/8/2016	97.42	7.32	NP	--	90.10	--
MW-47	12/6/2016	97.42	6.50	NP	--	90.92	--
MW-47	3/21/2017	97.42	4.20	NP	--	93.22	--
MW-47	4/27/2017	97.42	5.10	NP	--	92.32	--
MW-47	5/30/2017	97.42	5.81	NP	--	91.61	--
MW-47	6/28/2017	97.42	6.54	NP	--	90.88	--
MW-47	8/3/2017	97.42	7.29	NP	--	90.13	--
MW-47	8/31/2017	97.42	7.86	NP	--	89.56	--
MW-47	11/29/2017	97.42	7.73	NP	--	89.69	--
MW-48	12/22/2014	97.61	5.90	NP	--	91.71	--
MW-48	12/29/2014	97.61	5.37	NP	--	92.24	--
MW-48	1/5/2015	97.61	4.78	NP	--	92.83	--
MW-48	1/12/2015	97.61	4.55	NP	--	93.06	--
MW-48	1/13/2015	97.61	4.55	NP	--	93.06	--
MW-48	1/19/2015	97.61	4.42	NP	--	93.19	--
MW-48	1/26/2015	97.61	4.24	NP	--	93.37	--
MW-48	2/2/2015	97.61	4.64	NP	--	92.97	--
MW-48	2/9/2015	97.61	4.29	NP	--	93.32	--
MW-48	2/16/2015	97.61	4.30	NP	--	93.31	--
MW-48	2/23/2015	97.61	4.71	NP	--	92.90	--
MW-48	3/2/2015	97.61	4.82	NP	--	92.79	--
MW-48	3/9/2015	97.61	5.16	NP	--	92.45	--
MW-48	3/16/2015	97.61	5.10	NP	--	92.51	--
MW-48	3/23/2015	97.61	4.95	NP	--	92.66	--
MW-48	3/30/2015	97.61	4.95	NP	--	92.66	--
MW-48	4/6/2015	97.61	5.32	NP	--	92.29	--
MW-48	4/22/2015	97.61	5.83	NP	--	91.78	--
MW-48	5/4/2015	97.61	6.05	NP	--	91.56	--
MW-48	5/18/2015	97.61	6.34	NP	--	91.27	--
MW-48	6/1/2015	97.61	6.66	NP	--	90.95	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-48	6/15/2015	97.61	6.91	NP	--	90.70	--
MW-48	6/19/2015	97.61	7.00	NP	--	90.61	--
MW-48	6/29/2015	97.61	7.21	NP	--	90.40	--
MW-48	7/13/2015	97.61	7.45	NP	--	90.16	--
MW-48	7/28/2015	97.61	7.71	NP	--	89.90	--
MW-48	8/10/2015	97.61	7.97	NP	--	89.64	--
MW-48	8/24/2015	97.61	8.22	NP	--	89.39	--
MW-48	9/8/2015	97.61	8.33	NP	--	89.28	--
MW-48	9/21/2015	97.61	8.43	NP	--	89.18	--
MW-48	10/5/2015	97.61	--	--	--	--	NG
MW-48	10/12/2015	97.61	8.61	NP	--	89.00	--
MW-48	10/19/2015	97.61	8.62	NP	--	88.99	--
MW-48	11/2/2015	97.61	8.51	NP	--	89.10	--
MW-48	11/16/2015	97.61	8.08	NP	--	89.53	--
MW-48	11/30/2015	97.61	7.57	NP	--	90.04	--
MW-48	1/18/2016	97.61	5.20	NP	--	92.41	--
MW-48	2/1/2016	97.61	4.61	NP	--	93.00	--
MW-48	2/15/2016	97.61	3.92	NP	--	93.69	--
MW-48	3/7/2016	97.61	4.43	NP	--	93.18	--
MW-48	3/29/2016	97.61	4.42	NP	--	93.19	--
MW-48	4/5/2016	97.61	--	--	--	--	NG
MW-48	4/19/2016	97.61	5.10	NP	--	92.51	--
MW-48	5/10/2016	97.61	5.73	NP	--	91.88	--
MW-48	5/24/2016	97.61	6.06	NP	--	91.55	--
MW-48	6/7/2016	97.61	6.31	NP	--	91.30	--
MW-48	6/21/2016	97.61	6.52	NP	--	91.09	--
MW-48	7/19/2016	97.61	6.86	NP	--	90.75	--
MW-48	8/23/2016	97.61	7.49	NP	--	90.12	--
MW-48	9/20/2016	97.61	7.73	NP	--	89.88	--
MW-48	11/8/2016	97.61	7.38	NP	--	90.23	--
MW-48	12/6/2016	97.61	6.60	NP	--	91.01	--
MW-48	3/21/2017	97.61	4.28	NP	--	93.33	--
MW-48	4/27/2017	97.61	5.16	NP	--	92.45	--
MW-48	5/30/2017	97.61	5.86	NP	--	91.75	--
MW-48	6/27/2017	97.61	6.56	NP	--	91.05	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-48	8/3/2017	97.61	7.31	NP	--	90.30	--
MW-48	8/31/2017	97.61	7.87	NP	--	89.74	--
MW-48	9/26/2017	97.61	8.27	NP	--	89.34	--
MW-48	11/29/2017	97.61	7.78	NP	--	89.83	--
MW-49	12/22/2014	98.11	6.41	NP	--	91.70	--
MW-49	12/29/2014	98.11	5.92	NP	--	92.19	--
MW-49	1/5/2015	98.11	5.26	NP	--	92.85	--
MW-49	1/12/2015	98.11	5.10	NP	--	93.01	--
MW-49	1/13/2015	98.11	5.10	NP	--	93.01	--
MW-49	1/19/2015	98.11	5.03	NP	--	93.08	--
MW-49	1/26/2015	98.11	4.82	NP	--	93.29	--
MW-49	2/2/2015	98.11	5.18	NP	--	92.93	--
MW-49	2/9/2015	98.11	4.89	NP	--	93.22	--
MW-49	2/16/2015	98.11	4.88	NP	--	93.23	--
MW-49	2/23/2015	98.11	5.26	NP	--	92.85	--
MW-49	3/2/2015	98.11	5.39	NP	--	92.72	--
MW-49	3/9/2015	98.11	5.70	NP	--	92.41	--
MW-49	3/16/2015	98.11	5.70	NP	--	92.41	--
MW-49	3/23/2015	98.11	5.53	NP	--	92.58	--
MW-49	3/30/2015	98.11	5.53	NP	--	92.58	--
MW-49	4/6/2015	98.11	5.87	NP	--	92.24	--
MW-49	4/22/2015	98.11	6.40	NP	--	91.71	--
MW-49	5/4/2015	98.11	6.62	NP	--	91.49	--
MW-49	5/18/2015	98.11	6.90	NP	--	91.21	--
MW-49	6/1/2015	98.11	7.23	NP	--	90.88	--
MW-49	6/15/2015	98.11	7.47	NP	--	90.64	--
MW-49	6/19/2015	98.11	7.55	NP	--	90.56	--
MW-49	6/29/2015	98.11	7.77	NP	--	90.34	--
MW-49	7/13/2015	98.11	8.01	NP	--	90.10	--
MW-49	7/28/2015	98.11	8.29	NP	--	89.82	--
MW-49	8/10/2015	98.11	8.56	NP	--	89.55	--
MW-49	8/24/2015	98.11	8.82	NP	--	89.29	--
MW-49	9/8/2015	98.11	8.94	NP	--	89.17	--
MW-49	9/21/2015	98.11	9.00	NP	--	89.11	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-49	10/5/2015	98.11	9.14	NP	--	88.97	--
MW-49	10/12/2015	98.11	9.14	NP	--	88.97	--
MW-49	10/19/2015	98.11	9.19	NP	--	88.92	--
MW-49	11/2/2015	98.11	9.11	NP	--	89.00	--
MW-49	11/16/2015	98.11	8.60	NP	--	89.51	--
MW-49	11/30/2015	98.11	8.02	NP	--	90.09	--
MW-49	1/18/2016	98.11	5.80	NP	--	92.31	--
MW-49	2/1/2016	98.11	5.25	NP	--	92.86	--
MW-49	2/15/2016	98.11	4.69	NP	--	93.42	--
MW-49	3/7/2016	98.11	4.96	NP	--	93.15	--
MW-49	3/29/2016	98.11	5.05	NP	--	93.06	--
MW-49	4/5/2016	98.11	--	--	--	--	NG
MW-49	4/19/2016	98.11	5.66	NP	--	92.45	--
MW-49	5/10/2016	98.11	6.28	NP	--	91.83	--
MW-49	5/24/2016	98.11	6.63	NP	--	91.48	--
MW-49	6/7/2016	98.11	6.91	NP	--	91.20	--
MW-49	6/21/2016	98.11	7.11	NP	--	91.00	--
MW-49	7/19/2016	98.11	7.45	NP	--	90.66	--
MW-49	8/23/2016	98.11	8.08	NP	--	90.03	--
MW-49	9/20/2016	98.11	8.30	NP	--	89.81	--
MW-49	11/8/2016	98.11	8.00	NP	--	90.11	--
MW-49	12/6/2016	98.11	7.19	NP	--	90.92	--
MW-49	3/21/2017	98.11	4.95	NP	--	93.16	--
MW-49	4/27/2017	98.11	5.71	NP	--	92.40	--
MW-49	5/30/2017	98.11	6.45	NP	--	91.66	--
MW-49	6/27/2017	98.11	7.16	NP	--	90.95	--
MW-49	8/3/2017	98.11	7.92	NP	--	90.19	--
MW-49	8/31/2017	98.11	8.49	NP	--	89.62	--
MW-49	9/26/2017	98.11	8.88	NP	--	89.23	--
MW-49	11/29/2017	98.11	8.42	NP	--	89.69	--
MW-50	12/22/2014	98.05	5.90	NP	--	92.15	--
MW-50	12/29/2014	98.05	5.47	NP	--	92.58	--
MW-50	1/5/2015	98.05	5.08	NP	--	92.97	--
MW-50	1/12/2015	98.05	4.69	NP	--	93.36	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-50	1/19/2015	98.05	4.80	NP	--	93.25	--
MW-50	1/26/2015	98.05	4.50	NP	--	93.55	--
MW-50	2/2/2015	98.05	4.85	NP	--	93.20	--
MW-50	2/9/2015	98.05	4.63	NP	--	93.42	--
MW-50	2/16/2015	98.05	4.57	NP	--	93.48	--
MW-50	2/23/2015	98.05	4.93	NP	--	93.12	--
MW-50	3/2/2015	98.05	5.07	NP	--	92.98	--
MW-50	3/9/2015	98.05	5.37	NP	--	92.68	--
MW-50	3/16/2015	98.05	5.50	NP	--	92.55	--
MW-50	3/23/2015	98.05	5.22	NP	--	92.83	--
MW-50	3/30/2015	98.05	5.22	NP	--	92.83	--
MW-50	4/6/2015	98.05	5.55	NP	--	92.50	--
MW-50	4/22/2015	98.05	6.11	NP	--	91.94	--
MW-50	5/4/2015	98.05	6.33	NP	--	91.72	--
MW-50	5/18/2015	98.05	6.63	NP	--	91.42	--
MW-50	6/1/2015	98.05	6.96	NP	--	91.09	--
MW-50	6/15/2015	98.05	7.21	NP	--	90.84	--
MW-50	6/19/2015	98.05	7.29	NP	--	90.76	--
MW-50	6/29/2015	98.05	7.50	NP	--	90.55	--
MW-50	7/13/2015	98.05	7.73	NP	--	90.32	--
MW-50	7/28/2015	98.05	7.98	NP	--	90.07	--
MW-50	8/10/2015	98.05	8.21	NP	--	89.84	--
MW-50	8/24/2015	98.05	8.41	NP	--	89.64	--
MW-50	9/8/2015	98.05	8.60	NP	--	89.45	--
MW-50	9/21/2015	98.05	8.65	NP	--	89.40	--
MW-50	10/5/2015	98.05	8.75	NP	--	89.30	--
MW-50	10/12/2015	98.05	8.76	NP	--	89.29	--
MW-50	10/19/2015	98.05	8.80	NP	--	89.25	--
MW-50	11/2/2015	98.05	8.80	NP	--	89.25	--
MW-50	11/16/2015	98.05	8.29	NP	--	89.76	--
MW-50	11/30/2015	98.05	7.16	NP	--	90.89	--
MW-50	1/18/2016	98.05	5.37	NP	--	92.68	--
MW-50	2/1/2016	98.05	4.82	NP	--	93.23	--
MW-50	2/15/2016	98.05	--	--	--	--	NG
MW-50	3/7/2016	98.05	4.60	NP	--	93.45	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-50	3/29/2016	98.05	4.75	NP	--	93.30	--
MW-50	4/5/2016	98.05	--	--	--	--	NG
MW-50	4/19/2016	98.05	5.32	NP	--	92.73	--
MW-50	5/10/2016	98.05	5.95	NP	--	92.10	--
MW-50	5/24/2016	98.05	6.33	NP	--	91.72	--
MW-50	6/7/2016	98.05	6.63	NP	--	91.42	--
MW-50	6/21/2016	98.05	6.86	NP	--	91.19	--
MW-50	7/19/2016	98.05	7.20	NP	--	90.85	--
MW-50	8/23/2016	98.05	7.81	NP	--	90.24	--
MW-50	9/20/2016	98.05	7.98	NP	--	90.07	--
MW-50	11/8/2016	98.05	7.45	NP	--	90.60	--
MW-50	12/6/2016	98.05	6.40	NP	--	91.65	--
MW-50	3/21/2017	98.05	4.80	NP	--	93.25	--
MW-50	4/27/2017	98.05	5.39	NP	--	92.66	--
MW-50	5/30/2017	98.05	6.13	NP	--	91.92	--
MW-50	6/27/2017	98.05	6.90	NP	--	91.15	--
MW-50	8/3/2017	98.05	7.65	NP	--	90.40	--
MW-50	8/31/2017	98.05	8.18	NP	--	89.87	--
MW-50	9/26/2017	98.05	8.52	NP	--	89.53	--
MW-50	11/29/2017	98.05	8.06	NP	--	89.99	--
MW-51	12/22/2014	96.86	3.17	NP	--	93.69	--
MW-51	12/29/2014	96.86	2.72	NP	--	94.14	--
MW-51	1/5/2015	96.86	1.92	NP	--	94.94	--
MW-51	1/12/2015	96.86	2.17	NP	--	94.69	--
MW-51	1/13/2015	96.86	2.17	NP	--	94.69	--
MW-51	1/19/2015	96.86	2.64	NP	--	94.22	--
MW-51	1/26/2015	96.86	2.05	NP	--	94.81	--
MW-51	2/2/2015	96.86	2.89	NP	--	93.97	--
MW-51	2/9/2015	96.86	2.30	NP	--	94.56	--
MW-51	2/16/2015	96.86	2.28	NP	--	94.58	--
MW-51	2/23/2015	96.86	2.83	NP	--	94.03	--
MW-51	3/2/2015	96.86	2.98	NP	--	93.88	--
MW-51	3/9/2015	96.86	3.64	NP	--	93.22	--
MW-51	3/16/2015	96.86	3.35	NP	--	93.51	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-51	3/23/2015	96.86	2.93	NP	--	93.93	--
MW-51	3/30/2015	96.86	3.09	NP	--	93.77	--
MW-51	4/6/2015	96.86	3.80	NP	--	93.06	--
MW-51	4/22/2015	96.86	4.84	NP	--	92.02	--
MW-51	5/4/2015	96.86	5.17	NP	--	91.69	--
MW-51	5/18/2015	96.86	5.71	NP	--	91.15	--
MW-51	6/1/2015	96.86	6.31	NP	--	90.55	--
MW-51	6/15/2015	96.86	6.74	NP	--	90.12	--
MW-51	6/19/2015	96.86	6.89	NP	--	89.97	--
MW-51	6/29/2015	96.86	7.25	NP	--	89.61	--
MW-51	7/13/2015	96.86	7.66	NP	--	89.20	--
MW-51	7/28/2015	96.86	8.05	NP	--	88.81	--
MW-51	8/10/2015	96.86	8.38	NP	--	88.48	--
MW-51	8/24/2015	96.86	8.76	NP	--	88.10	--
MW-51	9/8/2015	96.86	8.46	NP	--	88.40	--
MW-51	9/21/2015	96.86	8.40	NP	--	88.46	--
MW-51	10/5/2015	96.86	8.47	NP	--	88.39	--
MW-51	10/12/2015	96.86	8.43	NP	--	88.43	--
MW-51	10/19/2015	96.86	8.40	NP	--	88.46	--
MW-51	11/2/2015	96.86	8.00	NP	--	88.86	--
MW-51	11/16/2015	96.86	6.08	NP	--	90.78	--
MW-51	11/30/2015	96.86	5.20	NP	--	91.66	--
MW-51	1/18/2016	96.86	3.25	NP	--	93.61	--
MW-51	2/1/2016	96.86	2.63	NP	--	94.23	--
MW-51	2/15/2016	96.86	1.77	NP	--	95.09	--
MW-51	3/7/2016	96.86	2.28	NP	--	94.58	--
MW-51	3/29/2016	96.86	2.83	NP	--	94.03	--
MW-51	4/5/2016	96.86	--	--	--	--	NG
MW-51	4/19/2016	96.86	3.88	NP	--	92.98	--
MW-51	5/10/2016	96.86	5.05	NP	--	91.81	--
MW-51	5/24/2016	96.86	5.62	NP	--	91.24	--
MW-51	6/7/2016	96.86	6.02	NP	--	90.84	--
MW-51	6/21/2016	96.86	6.07	NP	--	90.79	--
MW-51	7/19/2016	96.86	6.77	NP	--	90.09	--
MW-51	8/23/2016	96.86	7.70	NP	--	89.16	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-51	9/20/2016	96.86	7.44	NP	--	89.42	--
MW-51	11/8/2016	96.86	5.01	NP	--	91.85	--
MW-51	12/6/2016	96.86	3.24	NP	--	93.62	--
MW-51	3/21/2017	96.86	2.47	NP	--	94.39	--
MW-51	4/27/2017	96.86	3.64	NP	--	93.22	--
MW-51	5/30/2017	96.86	5.01	NP	--	91.85	--
MW-51	6/27/2017	96.86	6.35	NP	--	90.51	--
MW-51	8/3/2017	96.86	7.47	NP	--	89.39	--
MW-51	9/26/2017	96.86	8.54	NP	--	88.32	--
MW-51	11/29/2017	96.86	5.17	NP	--	91.69	--
MW-52	12/22/2014	97.79	5.04	NP	--	92.75	--
MW-52	12/29/2014	97.79	5.28	NP	--	92.51	--
MW-52	1/5/2015	97.79	4.59	NP	--	93.20	--
MW-52	1/12/2015	97.79	4.55	NP	--	93.24	--
MW-52	1/13/2015	97.79	4.55	NP	--	93.24	--
MW-52	1/19/2015	97.79	4.51	NP	--	93.28	--
MW-52	1/26/2015	97.79	4.21	NP	--	93.58	--
MW-52	2/2/2015	97.79	4.78	NP	--	93.01	--
MW-52	2/9/2015	97.79	4.19	NP	--	93.60	--
MW-52	2/16/2015	97.79	4.28	NP	--	93.51	--
MW-52	2/23/2015	97.79	4.82	NP	--	92.97	--
MW-52	3/2/2015	97.79	4.86	NP	--	92.93	--
MW-52	3/9/2015	97.79	5.26	NP	--	92.53	--
MW-52	3/16/2015	97.79	5.18	NP	--	92.61	--
MW-52	3/23/2015	97.79	4.85	NP	--	92.94	--
MW-52	3/30/2015	97.79	4.91	NP	--	92.88	--
MW-52	4/6/2015	97.79	5.28	NP	--	92.51	--
MW-52	4/22/2015	97.79	5.90	NP	--	91.89	--
MW-52	5/4/2015	97.79	6.12	NP	--	91.67	--
MW-52	5/18/2015	97.79	6.43	NP	--	91.36	--
MW-52	6/1/2015	97.79	6.82	NP	--	90.97	--
MW-52	6/15/2015	97.79	7.04	NP	--	90.75	--
MW-52	6/19/2015	97.79	7.13	NP	--	90.66	--
MW-52	6/29/2015	97.79	7.45	NP	--	90.34	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-52	7/13/2015	97.79	7.75	NP	--	90.04	--
MW-52	7/28/2015	97.79	8.13	NP	--	89.66	--
MW-52	8/10/2015	97.79	8.64	NP	--	89.15	--
MW-52	8/24/2015	97.79	9.15	NP	--	88.64	--
MW-52	9/8/2015	97.79	8.56	NP	--	89.23	--
MW-52	9/21/2015	97.79	8.62	NP	--	89.17	--
MW-52	10/5/2015	97.79	8.91	NP	--	88.88	--
MW-52	10/12/2015	97.79	8.95	NP	--	88.84	--
MW-52	10/19/2015	97.79	9.03	NP	--	88.76	--
MW-52	11/2/2015	97.79	8.61	NP	--	89.18	--
MW-52	11/16/2015	97.79	6.95	NP	--	90.84	--
MW-52	11/30/2015	97.79	6.55	NP	--	91.24	--
MW-52	1/18/2016	97.79	4.83	NP	--	92.96	--
MW-52	2/1/2016	97.79	4.00	NP	--	93.79	--
MW-52	2/15/2016	97.79	3.31	NP	--	94.48	--
MW-52	3/7/2016	97.79	4.16	NP	--	93.63	--
MW-52	3/29/2016	97.79	4.00	NP	--	93.79	--
MW-52	4/5/2016	97.79	--	--	--	--	NG
MW-52	4/19/2016	97.79	4.90	NP	--	92.89	--
MW-52	5/10/2016	97.79	5.63	NP	--	92.16	--
MW-52	5/24/2016	97.79	6.00	NP	--	91.79	--
MW-52	6/7/2016	97.79	6.29	NP	--	91.50	--
MW-52	6/21/2016	97.79	6.14	NP	--	91.65	--
MW-52	7/19/2016	97.79	6.84	NP	--	90.95	--
MW-52	8/23/2016	97.79	7.72	NP	--	90.07	--
MW-52	9/20/2016	97.79	7.46	NP	--	90.33	--
MW-52	11/8/2016	97.79	5.86	NP	--	91.93	--
MW-52	12/6/2016	97.79	4.92	NP	--	92.87	--
MW-52	3/21/2017	97.79	3.60	NP	--	94.19	--
MW-52	4/27/2017	97.79	4.79	NP	--	93.00	--
MW-52	5/30/2017	97.79	5.60	NP	--	92.19	--
MW-52	6/28/2017	97.79	6.51	NP	--	91.28	--
MW-52	8/3/2017	97.79	7.48	NP	--	90.31	--
MW-52	8/31/2017	97.79	8.11	NP	--	89.68	--
MW-52	9/26/2017	97.79	8.60	NP	--	89.19	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-52	11/29/2017	97.79	6.17	NP	--	91.62	--
MW-53	12/22/2014	96.45	2.16	2.15	0.01	94.30	--
MW-53	12/29/2014	96.45	1.84	NP	--	94.61	--
MW-53	1/5/2015	96.45	--	--	--	--	NG
MW-53	1/12/2015	96.45	1.94	NP	--	94.51	--
MW-53	1/19/2015	96.45	2.00	NP	--	94.45	--
MW-53	1/26/2015	96.45	1.87	NP	--	94.58	--
MW-53	2/2/2015	96.45	2.10	NP	--	94.35	--
MW-53	2/9/2015	96.45	2.08	NP	--	94.37	--
MW-53	2/16/2015	96.45	1.88	NP	--	94.57	--
MW-53	2/23/2015	96.45	2.33	NP	--	94.12	--
MW-53	3/2/2015	96.45	2.51	NP	--	93.94	--
MW-53	3/9/2015	96.45	2.80	NP	--	93.65	--
MW-53	3/16/2015	96.45	2.51	NP	--	93.94	--
MW-53	3/23/2015	96.45	2.10	NP	--	94.35	--
MW-53	3/30/2015	96.45	2.21	NP	--	94.24	--
MW-53	4/6/2015	96.45	2.77	NP	--	93.68	--
MW-53	4/22/2015	96.45	3.73	NP	--	92.72	--
MW-53	5/4/2015	96.45	4.18	NP	--	92.27	--
MW-53	5/18/2015	96.45	4.36	NP	--	92.09	--
MW-53	6/1/2015	96.45	5.12	NP	--	91.33	--
MW-53	6/15/2015	96.45	5.68	NP	--	90.77	--
MW-53	6/19/2015	96.45	5.81	NP	--	90.64	--
MW-53	6/29/2015	96.45	6.20	NP	--	90.25	--
MW-53	7/13/2015	96.45	6.58	NP	--	89.87	--
MW-53	7/28/2015	96.45	6.82	NP	--	89.63	--
MW-53	8/10/2015	96.45	7.08	NP	--	89.37	--
MW-53	8/24/2015	96.45	7.30	NP	--	89.15	--
MW-53	9/8/2015	96.45	6.95	NP	--	89.50	--
MW-53	9/21/2015	96.45	6.72	NP	--	89.73	--
MW-53	10/5/2015	96.45	6.81	NP	--	89.64	--
MW-53	10/12/2015	96.45	6.85	NP	--	89.60	--
MW-53	10/19/2015	96.45	6.93	NP	--	89.52	--
MW-53	11/2/2015	96.45	6.64	NP	--	89.81	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-53	11/16/2015	96.45	4.30	NP	--	92.15	--
MW-53	11/30/2015	96.45	4.54	NP	--	91.91	--
MW-53	1/18/2016	96.45	2.49	NP	--	93.96	--
MW-53	2/1/2016	96.45	1.76	NP	--	94.69	--
MW-53	2/15/2016	96.45	--	--	--	--	NG
MW-53	3/7/2016	96.45	2.75	NP	--	93.70	--
MW-53	3/29/2016	96.45	2.60	NP	--	93.85	--
MW-53	4/5/2016	96.45	--	--	--	--	NG
MW-53	4/19/2016	96.45	3.61	NP	--	92.84	--
MW-53	5/10/2016	96.45	4.30	NP	--	92.15	--
MW-53	5/24/2016	96.45	4.70	NP	--	91.75	--
MW-53	6/7/2016	96.45	4.96	NP	--	91.49	--
MW-53	6/21/2016	96.45	4.64	NP	--	91.81	--
MW-53	7/19/2016	96.45	5.64	NP	--	90.81	--
MW-53	8/23/2016	96.45	6.56	NP	--	89.89	--
MW-53	9/20/2016	96.45	5.88	NP	--	90.57	--
MW-53	11/8/2016	96.45	2.65	NP	--	93.80	--
MW-53	12/6/2016	96.45	2.15	NP	--	94.30	--
MW-53	3/21/2017	96.45	1.48	NP	--	94.97	--
MW-53	4/27/2017	96.45	--	--	--	--	WI
MW-53	5/30/2017	96.45	4.18	NP	--	92.27	--
MW-53	6/28/2017	96.45	5.27	NP	--	91.18	--
MW-53	8/3/2017	96.45	6.42	NP	--	90.03	--
MW-53	8/31/2017	96.45	7.02	NP	--	89.43	--
MW-53	9/26/2017	96.45	7.28	NP	--	89.17	--
MW-53	11/29/2017	96.45	3.92	NP	--	92.53	--
MW-54	6/23/1992	101.75	8.00	NP	--	93.75	--
MW-54	7/2/1992	101.75	7.91	NP	--	93.84	--
MW-54	8/17/1992	101.75	8.45	NP	--	93.30	--
MW-54	9/30/1992	101.75	8.81	NP	--	92.94	--
MW-54	10/30/1992	101.75	8.57	NP	--	93.18	--
MW-54	11/30/1992	101.75	7.79	NP	--	93.96	--
MW-54	4/16/1993	101.75	7.79	NP	--	93.96	--
MW-54	10/3/2000	101.75	--	--	--	--	Dry

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-54	2/28/2001	101.75	6.97	NP	--	94.78	--
MW-54	5/30/2001	101.75	7.66	NP	--	94.09	--
MW-54	8/22/2001	101.75	--	--	--	--	Dry
MW-54	11/21/2001	101.75	7.46	NP	--	94.29	--
MW-54	2/20/2002	101.75	5.56	NP	--	96.19	--
MW-54	5/16/2002	101.75	6.67	NP	--	95.08	--
MW-54	8/2/2002	101.75	--	--	--	--	Dry
MW-54	12/19/2002	101.75	--	--	--	--	Dry
MW-54	5/19/2003	101.75	7.53	NP	--	94.22	--
MW-54	11/13/2003	101.75	8.75	NP	--	93.00	--
MW-54	6/4/2004	101.75	7.55	NP	--	94.20	--
MW-54	10/7/2004	101.75	8.18	NP	--	93.57	--
MW-54	4/28/2005	101.75	6.20	NP	--	95.55	--
MW-54	11/16/2005	101.75	7.42	NP	--	94.33	--
MW-54	6/13/2006	101.75	7.84	NP	--	93.91	--
MW-54	2/26/2007	101.75	4.91	NP	--	96.84	--
MW-54	5/9/2007	101.75	7.23	NP	--	94.52	--
MW-54	7/16/2007	101.75	9.11	NP	--	92.64	--
MW-54	8/22/2007	101.75	--	--	--	--	Dry
MW-54	9/25/2007	101.75	--	--	--	--	Dry
MW-54	10/25/2007	101.75	8.66	NP	--	93.09	--
MW-54	11/9/2007	101.75	8.64	NP	--	93.11	--
MW-54	12/3/2007	101.75	7.97	NP	--	93.78	--
MW-54	1/17/2008	101.75	5.94	NP	--	95.81	--
MW-54	4/7/2008	101.75	5.76	NP	--	95.99	--
MW-54	7/22/2008	101.75	8.60	NP	--	93.15	--
MW-54	10/21/2008	101.75	--	--	--	--	Dry
MW-54	3/17/2010	101.75	6.77	NP	--	94.98	--
MW-54	9/15/2010	101.75	--	--	--	--	Dry
MW-54	3/4/2011	101.75	5.02	NP	--	96.73	--
MW-54	8/24/2011	101.75	--	--	--	--	Dry
MW-54	5/10/2012	101.75	5.70	NP	--	96.05	--
MW-54	11/15/2012	101.75	--	--	--	--	DryWI
MW-54	3/27/2013	101.75	5.90	NP	--	95.85	--
MW-54	12/17/2013	101.75	--	--	--	--	Dry

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-54	6/24/2014	101.75	--	--	--	--	Dry
MW-54	11/7/2014	101.75	7.63	NP	--	94.12	--
MW-54	11/8/2014	101.75	7.73	NP	--	94.02	--
MW-54	11/8/2014	101.75	8.59	NP	--	93.16	--
MW-54	11/9/2014	101.75	7.65	NP	--	94.10	--
MW-54	11/10/2014	101.75	7.46	NP	--	94.29	--
MW-54	11/10/2014	101.75	7.92	NP	--	93.83	--
MW-54	11/10/2014	101.75	8.31	NP	--	93.44	--
MW-54	11/10/2014	101.75	8.42	NP	--	93.33	--
MW-54	11/11/2014	101.75	7.43	NP	--	94.32	--
MW-54	11/11/2014	101.75	7.57	NP	--	94.18	--
MW-54	11/12/2014	101.75	7.45	NP	--	94.30	--
MW-54	11/13/2014	101.75	7.48	NP	--	94.27	--
MW-54	11/14/2014	101.75	7.55	NP	--	94.20	--
MW-54	11/17/2014	101.75	7.70	NP	--	94.05	--
MW-54	11/18/2014	101.75	7.74	NP	--	94.01	--
MW-54	11/19/2014	101.75	7.75	NP	--	94.00	--
MW-54	12/1/2014	99.20	6.59	NP	--	92.61	--
MW-54	12/8/2014	99.20	6.62	NP	--	92.58	--
MW-54	12/15/2014	99.20	6.08	NP	--	93.12	--
MW-54	12/22/2014	99.20	6.04	NP	--	93.16	--
MW-54	12/29/2014	99.20	5.40	NP	--	93.80	--
MW-54	1/5/2015	99.20	4.50	NP	--	94.70	--
MW-54	1/12/2015	99.20	4.96	NP	--	94.24	--
MW-54	1/13/2015	99.20	4.96	NP	--	94.24	--
MW-54	1/19/2015	99.20	5.07	NP	--	94.13	--
MW-54	1/26/2015	99.20	4.67	NP	--	94.53	--
MW-54	2/2/2015	99.20	5.47	NP	--	93.73	--
MW-54	2/9/2015	99.20	4.80	NP	--	94.40	--
MW-54	2/16/2015	99.20	4.95	NP	--	94.25	--
MW-54	2/23/2015	99.20	5.47	NP	--	93.73	--
MW-54	3/2/2015	99.20	5.62	NP	--	93.58	--
MW-54	3/9/2015	99.20	6.12	NP	--	93.08	--
MW-54	3/16/2015	99.20	6.12	NP	--	93.08	--
MW-54	3/23/2015	99.20	5.65	NP	--	93.55	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-54	3/30/2015	99.20	5.76	NP	--	93.44	--
MW-54	4/6/2015	99.20	6.28	NP	--	92.92	--
MW-54	4/22/2015	99.20	7.17	NP	--	92.03	--
MW-54	5/4/2015	99.20	6.47	NP	--	92.73	--
MW-54	5/18/2015	99.20	7.96	NP	--	91.24	--
MW-54	6/1/2015	99.20	8.48	NP	--	90.72	--
MW-54	6/15/2015	99.20	8.91	NP	--	90.29	--
MW-54	6/19/2015	99.20	9.04	NP	--	90.16	--
MW-54	6/29/2015	99.20	9.38	NP	--	89.82	--
MW-54	7/13/2015	99.20	--	--	--	--	Dry
MW-54	7/28/2015	99.20	--	--	--	--	Dry
MW-54	8/10/2015	99.20	--	--	--	--	Dry
MW-54	8/24/2015	99.20	--	--	--	--	Dry
MW-54	9/8/2015	99.20	--	--	--	--	Dry
MW-54	9/21/2015	99.20	--	--	--	--	Dry
MW-54	10/5/2015	99.20	--	--	--	--	Dry
MW-54	10/12/2015	99.20	--	--	--	--	Dry
MW-54	10/19/2015	99.20	--	--	--	--	Dry
MW-54	11/2/2015	99.20	--	--	--	--	Dry
MW-54	11/16/2015	99.20	8.99	NP	--	90.21	--
MW-54	11/30/2015	99.20	7.70	NP	--	91.50	--
MW-54	1/18/2016	99.20	5.90	NP	--	93.30	--
MW-54	2/1/2016	99.20	5.15	NP	--	94.05	--
MW-54	2/15/2016	99.20	4.67	NP	--	94.53	--
MW-54	3/7/2016	99.20	5.25	NP	--	93.95	--
MW-54	3/29/2016	99.20	5.27	NP	--	93.93	--
MW-54	4/5/2016	99.20	--	--	--	--	NG
MW-54	4/19/2016	99.20	6.31	NP	--	92.89	--
MW-54	5/10/2016	99.20	7.31	NP	--	91.89	--
MW-54	5/24/2016	99.20	7.83	NP	--	91.37	--
MW-54	6/7/2016	99.20	8.23	NP	--	90.97	--
MW-54	6/21/2016	99.20	8.37	NP	--	90.83	--
MW-54	7/19/2016	99.20	--	--	--	--	Dry
MW-54	8/23/2016	99.20	--	--	--	--	Dry
MW-54	9/20/2016	99.20	--	--	--	--	Dry

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-54	11/8/2016	99.20	7.73	NP	--	91.47	--
MW-54	12/6/2016	99.20	--	--	--	--	Dry
MW-54	3/21/2017	99.20	4.77	NP	--	94.43	Dry
MW-54	4/27/2017	99.20	6.14	NP	--	93.06	Dry
MW-54	5/30/2017	99.20	7.30	NP	--	91.90	Dry
MW-54	6/28/2017	99.20	8.49	NP	--	90.71	Dry
MW-54	8/3/2017	99.20	--	--	--	--	Dry
MW-54	8/31/2017	99.20	--	--	--	--	Dry
MW-54	11/29/2017	99.20	8.09	NP	--	91.11	--
MW-55	10/5/2015	--	--	--	--	--	NG
MW-55	10/12/2015	--	7.82	NP	--	--	--
MW-55	10/19/2015	--	7.94	NP	--	--	--
MW-55	11/2/2015	96.13	7.39	NP	--	88.74	--
MW-55	11/16/2015	96.13	2.75	NP	--	93.38	--
MW-55	11/30/2015	96.13	3.70	NP	--	92.43	--
MW-55	1/18/2016	96.13	2.75	NP	--	93.38	--
MW-55	2/1/2016	96.13	1.60	NP	--	94.53	--
MW-55	2/15/2016	96.13	--	--	--	--	NG
MW-55	3/7/2016	96.13	1.30	NP	--	94.83	--
MW-55	3/29/2016	96.13	1.75	NP	--	94.38	--
MW-55	4/5/2016	96.13	1.92	NP	--	94.21	--
MW-55	4/19/2016	96.13	3.29	NP	--	92.84	--
MW-55	5/10/2016	96.13	4.45	NP	--	91.68	--
MW-55	5/24/2016	96.13	4.84	NP	--	91.29	--
MW-55	6/7/2016	96.13	5.31	NP	--	90.82	--
MW-55	6/21/2016	96.13	5.34	NP	--	90.79	--
MW-55	7/19/2016	96.13	6.13	NP	--	90.00	--
MW-55	8/23/2016	96.13	7.03	NP	--	89.10	--
MW-55	9/20/2016	96.13	6.62	NP	--	89.51	--
MW-55	11/8/2016	96.13	2.94	NP	--	93.19	--
MW-55	12/6/2016	96.13	2.60	NP	--	93.53	--
MW-55	3/21/2017	96.13	1.60	NP	--	94.53	--
MW-55	4/27/2017	96.13	2.92	NP	--	93.21	--
MW-55	5/30/2017	96.13	4.34	NP	--	91.79	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-55	6/28/2017	96.13	5.64	NP	--	90.49	--
MW-55	8/3/2017	96.13	6.77	NP	--	89.36	--
MW-55	8/31/2017	96.13	7.47	NP	--	88.66	--
MW-55	9/26/2017	96.13	7.80	NP	--	88.33	--
MW-55	11/29/2017	96.13	3.64	NP	--	92.49	--
MW-56	10/5/2015	--	--	--	--	--	NG
MW-56	10/12/2015	--	6.07	NP	--	--	--
MW-56	10/19/2015	--	6.09	NP	--	--	--
MW-56	11/2/2015	94.83	5.44	NP	--	89.39	--
MW-56	11/16/2015	94.83	0.95	NP	--	93.88	--
MW-56	11/30/2015	94.83	2.39	NP	--	92.44	--
MW-56	1/18/2016	94.83	0.32	NP	--	94.51	--
MW-56	2/1/2016	94.83	--	--	--	--	NG
MW-56	2/15/2016	94.83	--	--	--	--	NG
MW-56	3/7/2016	94.83	0.30	NP	--	94.53	--
MW-56	3/29/2016	94.83	0.00	NP	--	94.83	--
MW-56	4/5/2016	94.83	0.15	NP	--	94.68	--
MW-56	4/19/2016	94.83	1.61	NP	--	93.22	--
MW-56	5/10/2016	94.83	3.15	NP	--	91.68	--
MW-56	5/24/2016	94.83	3.43	NP	--	91.40	--
MW-56	6/7/2016	94.83	3.92	NP	--	90.91	--
MW-56	6/21/2016	94.83	3.60	NP	--	91.23	--
MW-56	7/19/2016	94.83	4.68	NP	--	90.15	--
MW-56	8/23/2016	94.83	5.61	NP	--	89.22	--
MW-56	9/20/2016	94.83	4.86	NP	--	89.97	--
MW-56	11/8/2016	94.83	0.75	NP	--	94.08	--
MW-56	12/6/2016	94.83	0.25	NP	--	94.58	--
MW-56	3/21/2017	94.83	--	--	--	--	NG
MW-56	4/27/2017	94.83	1.20	NP	--	93.63	--
MW-56	5/30/2017	94.83	2.99	NP	--	91.84	--
MW-56	6/28/2017	94.83	4.25	NP	--	90.58	--
MW-56	8/3/2017	94.83	5.46	NP	--	89.37	--
MW-56	8/31/2017	94.83	6.09	NP	--	88.74	--
MW-56	9/26/2017	94.83	6.35	NP	--	88.48	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-56	11/29/2017	94.83	1.10	NP	--	93.73	--
MW-57	10/5/2015	--	--	--	--	--	NG
MW-57	10/12/2015	--	5.48	NP	--	--	--
MW-57	10/19/2015	--	5.48	NP	--	--	--
MW-57	11/2/2015	94.03	4.60	NP	--	89.43	--
MW-57	11/16/2015	94.03	0.35	NP	--	93.68	--
MW-57	11/30/2015	94.03	0.73	NP	--	93.30	--
MW-57	1/18/2016	94.03	--	--	--	--	NG
MW-57	2/1/2016	94.03	--	--	--	--	NG
MW-57	2/15/2016	94.03	--	--	--	--	NG
MW-57	3/7/2016	94.03	--	--	--	--	NG
MW-57	3/29/2016	94.03	--	--	--	--	NG
MW-57	4/5/2016	94.03	--	--	--	--	NG
MW-57	4/19/2016	94.03	0.65	NP	--	93.38	--
MW-57	5/10/2016	94.03	2.67	NP	--	91.36	--
MW-57	5/24/2016	94.03	3.04	NP	--	90.99	--
MW-57	6/7/2016	94.03	3.50	NP	--	90.53	--
MW-57	6/21/2016	94.03	3.19	NP	--	90.84	--
MW-57	7/19/2016	94.03	4.22	NP	--	89.81	--
MW-57	8/23/2016	94.03	5.20	NP	--	88.83	--
MW-57	9/20/2016	94.03	4.22	NP	--	89.81	--
MW-57	11/8/2016	94.03	0.85	NP	--	93.18	--
MW-57	12/6/2016	94.03	0.05	NP	--	93.98	--
MW-57	3/21/2017	94.03	--	--	--	--	NG
MW-57	4/27/2017	94.03	0.50	NP	--	93.53	--
MW-57	5/30/2017	94.03	2.38	NP	--	91.65	--
MW-57	6/28/2017	94.03	3.81	NP	--	90.22	--
MW-57	8/3/2017	94.03	5.02	NP	--	89.01	--
MW-57	8/31/2017	94.03	5.70	NP	--	88.33	--
MW-57	9/26/2017	94.03	5.93	NP	--	88.10	--
MW-57	11/29/2017	94.03	1.19	NP	--	92.84	--
MW-58	10/5/2015	--	--	--	--	--	NG
MW-58	10/12/2015	--	5.99	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-58	10/19/2015	--	6.00	NP	--	--	--
MW-58	11/2/2015	93.92	5.50	NP	--	88.42	--
MW-58	11/16/2015	93.92	2.18	NP	--	91.74	--
MW-58	11/30/2015	93.92	2.64	NP	--	91.28	--
MW-58	1/18/2016	93.92	--	--	--	--	NG
MW-58	2/1/2016	93.92	--	--	--	--	NG
MW-58	2/15/2016	93.92	--	--	--	--	NG
MW-58	3/7/2016	93.92	--	--	--	--	NG
MW-58	3/29/2016	93.92	--	--	--	--	NG
MW-58	4/5/2016	93.92	--	--	--	--	NG
MW-58	4/19/2016	93.92	2.42	NP	--	91.50	--
MW-58	5/10/2016	93.92	3.20	NP	--	90.72	--
MW-58	5/24/2016	93.92	3.60	NP	--	90.32	--
MW-58	6/7/2016	93.92	3.92	NP	--	90.00	--
MW-58	6/21/2016	93.92	3.91	NP	--	90.01	--
MW-58	7/19/2016	93.92	4.71	NP	--	89.21	--
MW-58	8/23/2016	93.92	5.60	NP	--	88.32	--
MW-58	9/20/2016	93.92	5.00	NP	--	88.92	--
MW-58	11/8/2016	93.92	1.91	NP	--	92.01	--
MW-58	12/6/2016	93.92	1.40	NP	--	92.52	--
MW-58	3/21/2017	93.92	--	--	--	--	NG
MW-58	4/27/2017	93.92	2.23	NP	--	91.69	--
MW-58	5/30/2017	93.92	3.41	NP	--	90.51	--
MW-58	6/28/2017	93.92	4.42	NP	--	89.50	--
MW-58	8/3/2017	93.92	5.44	NP	--	88.48	--
MW-58	8/31/2017	93.92	6.01	NP	--	87.91	--
MW-58	9/26/2017	93.92	6.13	NP	--	87.79	--
MW-58	11/29/2017	93.92	2.38	NP	--	91.54	--
MW-59	10/5/2015	--	--	--	--	--	NG
MW-59	10/12/2015	--	--	--	--	--	NG
MW-59	10/19/2015	--	5.83	NP	--	--	--
MW-59	11/2/2015	93.52	5.33	NP	--	88.19	--
MW-59	11/16/2015	93.52	--	--	--	--	NG
MW-59	11/30/2015	93.52	2.28	NP	--	91.24	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-59	1/18/2016	93.52	--	--	--	--	NG
MW-59	2/1/2016	93.52	--	--	--	--	NG
MW-59	2/15/2016	93.52	--	--	--	--	NG
MW-59	3/7/2016	93.52	--	--	--	--	NG
MW-59	3/29/2016	93.52	--	--	--	--	NG
MW-59	4/5/2016	93.52	--	--	--	--	NG
MW-59	4/19/2016	93.52	2.08	2.08	0.00	91.44	--
MW-59	5/10/2016	93.52	3.20	NP	--	90.32	--
MW-59	5/24/2016	93.52	3.55	NP	--	89.97	--
MW-59	6/7/2016	93.52	3.86	NP	--	89.66	--
MW-59	6/21/2016	93.52	3.76	NP	--	89.76	--
MW-59	7/19/2016	93.52	4.52	NP	--	89.00	--
MW-59	8/23/2016	93.52	5.41	NP	--	88.11	--
MW-59	9/20/2016	93.52	4.80	NP	--	88.72	--
MW-59	11/8/2016	93.52	2.30	NP	--	91.22	--
MW-59	12/6/2016	93.52	--	--	--	--	--
MW-59	3/21/2017	93.52	--	--	--	--	NG
MW-59	4/27/2017	93.52	3.10	NP	--	90.42	--
MW-59	5/30/2017	93.52	3.44	NP	--	90.08	--
MW-59	6/28/2017	93.52	4.34	NP	--	89.18	--
MW-59	8/3/2017	93.52	5.25	5.24	0.01	88.28	--
MW-59	8/31/2017	93.52	5.82	5.80	0.02	87.71	--
MW-59	9/26/2017	93.52	5.93	5.91	0.02	87.61	--
MW-59	11/29/2017	93.52	2.78	NP	--	90.74	--
MW-60	10/5/2015	--	--	--	--	--	NG
MW-60	10/12/2015	--	5.79	NP	--	--	--
MW-60	10/19/2015	--	5.85	NP	--	--	--
MW-60	11/2/2015	94.04	5.69	NP	--	88.35	--
MW-60	11/16/2015	94.04	0.40	NP	--	93.64	--
MW-60	11/30/2015	94.04	1.10	NP	--	92.94	--
MW-60	1/18/2016	94.04	--	--	--	--	NG
MW-60	2/1/2016	94.04	--	--	--	--	NG
MW-60	2/15/2016	94.04	0.30	NP	--	93.74	--
MW-60	3/7/2016	94.04	--	--	--	--	NG

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-60	3/29/2016	94.04	--	--	--	--	NG
MW-60	4/5/2016	94.04	--	--	--	--	NG
MW-60	4/19/2016	94.04	1.11	NP	--	92.93	--
MW-60	5/10/2016	94.04	2.85	NP	--	91.19	--
MW-60	5/24/2016	94.04	3.25	NP	--	90.79	--
MW-60	6/7/2016	94.04	3.61	NP	--	90.43	--
MW-60	6/21/2016	94.04	3.74	NP	--	90.30	--
MW-60	7/19/2016	94.04	4.35	NP	--	89.69	--
MW-60	8/23/2016	94.04	5.03	NP	--	89.01	--
MW-60	9/20/2016	94.04	4.79	NP	--	89.25	--
MW-60	11/8/2016	94.04	0.80	NP	--	93.24	--
MW-60	12/6/2016	94.04	--	--	--	--	--
MW-60	3/21/2017	94.04	--	--	--	--	NG
MW-60	4/27/2017	94.04	0.92	NP	--	93.12	--
MW-60	5/30/2017	94.04	2.61	NP	--	91.43	--
MW-60	6/28/2017	94.04	3.88	NP	--	90.16	--
MW-60	8/3/2017	94.04	4.79	NP	--	89.25	--
MW-60	8/31/2017	94.04	5.27	NP	--	88.77	--
MW-60	9/26/2017	94.04	5.53	NP	--	88.51	--
MW-60	11/29/2017	94.04	2.07	NP	--	91.97	--
MW-61	10/5/2015	--	--	--	--	--	NG
MW-61	10/12/2015	--	6.05	NP	--	--	--
MW-61	10/19/2015	--	6.37	NP	--	--	--
MW-61	11/2/2015	95.03	6.35	NP	--	88.68	--
MW-61	11/16/2015	95.03	4.22	NP	--	90.81	--
MW-61	11/30/2015	95.03	2.96	NP	--	92.07	--
MW-61	1/18/2016	95.03	0.80	NP	--	94.23	--
MW-61	2/1/2016	95.03	0.18	NP	--	94.85	--
MW-61	2/15/2016	95.03	--	--	--	--	NG
MW-61	3/7/2016	95.03	0.07	NP	--	94.96	--
MW-61	3/29/2016	95.03	0.00	NP	--	95.03	--
MW-61	4/5/2016	95.03	--	--	--	--	NG
MW-61	4/19/2016	95.03	0.95	NP	--	94.08	--
MW-61	5/10/2016	95.03	3.10	NP	--	91.93	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-61	5/24/2016	95.03	3.42	NP	--	91.61	--
MW-61	6/7/2016	95.03	3.85	NP	--	91.18	--
MW-61	6/21/2016	95.03	4.10	NP	--	90.93	--
MW-61	7/19/2016	95.03	4.58	NP	--	90.45	--
MW-61	8/23/2016	95.03	5.26	NP	--	89.77	--
MW-61	9/20/2016	95.03	5.31	NP	--	89.72	--
MW-61	11/8/2016	95.03	3.46	NP	--	91.57	--
MW-61	12/6/2016	95.03	1.45	NP	--	93.58	--
MW-61	3/21/2017	95.03	0.23	NP	--	94.80	--
MW-61	4/27/2017	95.03	1.59	NP	--	93.44	--
MW-61	5/30/2017	95.03	2.93	NP	--	92.10	--
MW-61	6/28/2017	95.03	4.06	NP	--	90.97	--
MW-61	8/3/2017	95.03	4.95	NP	--	90.08	--
MW-61	8/31/2017	95.03	5.46	NP	--	89.57	--
MW-61	9/26/2017	95.03	5.83	NP	--	89.20	--
MW-61	11/29/2017	95.03	4.43	NP	--	90.60	--
MW-62	10/5/2015	--	--	--	--	--	NG
MW-62	10/12/2015	--	6.01	NP	--	--	--
MW-62	10/19/2015	--	6.00	NP	--	--	--
MW-62	11/2/2015	94.04	5.54	NP	--	88.50	--
MW-62	11/16/2015	94.04	2.27	NP	--	91.77	--
MW-62	11/30/2015	94.04	2.30	NP	--	91.74	--
MW-62	1/18/2016	94.04	0.15	NP	--	93.89	--
MW-62	2/1/2016	94.04	--	--	--	--	NG
MW-62	2/15/2016	94.04	--	--	--	--	NG
MW-62	3/7/2016	94.04	0.05	NP	--	93.99	--
MW-62	3/29/2016	94.04	0.00	NP	--	94.04	--
MW-62	4/5/2016	94.04	--	--	--	--	NG
MW-62	4/19/2016	94.04	1.30	NP	--	92.74	--
MW-62	5/10/2016	94.04	2.73	NP	--	91.31	--
MW-62	5/24/2016	94.04	2.95	NP	--	91.09	--
MW-62	6/7/2016	94.04	3.50	NP	--	90.54	--
MW-62	6/21/2016	94.04	3.33	NP	--	90.71	--
MW-62	7/19/2016	94.04	4.31	NP	--	89.73	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-62	8/23/2016	94.04	5.10	NP	--	88.94	--
MW-62	9/20/2016	94.04	4.86	NP	--	89.18	--
MW-62	11/8/2016	94.04	2.29	NP	--	91.75	--
MW-62	12/6/2016	94.04	0.71	NP	--	93.33	--
MW-62	3/21/2017	94.04	--	--	--	--	NG
MW-62	4/27/2017	94.04	1.05	NP	--	92.99	--
MW-62	5/30/2017	94.04	2.19	NP	--	91.85	--
MW-62	6/28/2017	94.04	3.77	NP	--	90.27	--
MW-62	8/3/2017	94.04	4.88	NP	--	89.16	--
MW-62	8/31/2017	94.04	5.56	NP	--	88.48	--
MW-62	9/26/2017	94.04	5.91	NP	--	88.13	--
MW-62	11/29/2017	94.04	3.11	NP	--	90.93	--
MW-63	10/5/2015	--	--	--	--	--	NG
MW-63	10/12/2015	--	6.30	NP	--	--	--
MW-63	10/19/2015	--	5.97	NP	--	--	--
MW-63	11/2/2015	94.75	5.64	NP	--	89.11	--
MW-63	11/16/2015	94.75	1.26	NP	--	93.49	--
MW-63	11/30/2015	94.75	1.35	NP	--	93.40	--
MW-63	1/18/2016	94.75	0.15	NP	--	94.60	--
MW-63	2/1/2016	94.75	--	--	--	--	NG
MW-63	2/15/2016	94.75	--	--	--	--	NG
MW-63	3/7/2016	94.75	0.10	NP	--	94.65	--
MW-63	3/29/2016	94.75	0.00	NP	--	94.75	--
MW-63	4/5/2016	94.75	--	--	--	--	NG
MW-63	4/19/2016	94.75	1.81	NP	--	92.94	--
MW-63	5/10/2016	94.75	3.00	NP	--	91.75	--
MW-63	5/24/2016	94.75	3.24	NP	--	91.51	--
MW-63	6/7/2016	94.75	3.70	NP	--	91.05	--
MW-63	6/21/2016	94.75	3.66	NP	--	91.09	--
MW-63	7/19/2016	94.75	4.44	NP	--	90.31	--
MW-63	8/23/2016	94.75	5.32	NP	--	89.43	--
MW-63	9/20/2016	94.75	4.88	NP	--	89.87	--
MW-63	11/8/2016	94.75	1.56	NP	--	93.19	--
MW-63	12/6/2016	94.75	0.60	NP	--	94.15	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-63	3/21/2017	94.75	--	--	--	--	NG
MW-63	4/27/2017	94.75	0.95	NP	--	93.80	--
MW-63	5/30/2017	94.75	2.61	NP	--	92.14	--
MW-63	6/28/2017	94.75	4.00	NP	--	90.75	--
MW-63	8/3/2017	94.75	5.11	NP	--	89.64	--
MW-63	8/31/2017	94.75	5.74	NP	--	89.01	--
MW-63	9/26/2017	94.75	6.04	NP	--	88.71	--
MW-63	11/29/2017	94.75	2.45	NP	--	92.30	--
MW-64	10/5/2015	--	5.21	NP	--	--	--
MW-64	10/12/2015	--	5.12	NP	--	--	--
MW-64	10/19/2015	--	5.17	NP	--	--	--
MW-64	11/2/2015	--	3.01	NP	--	--	--
MW-64	11/16/2015	--	1.24	NP	--	--	--
MW-64	11/30/2015	93.62	1.98	NP	--	91.64	--
MW-64	1/18/2016	93.62	1.32	NP	--	92.30	--
MW-64	2/1/2016	93.62	0.94	NP	--	92.68	--
MW-64	2/15/2016	93.62	0.50	NP	--	93.12	--
MW-64	3/7/2016	93.62	1.35	NP	--	92.27	--
MW-64	3/29/2016	93.62	1.04	NP	--	92.58	--
MW-64	4/5/2016	93.62	--	--	--	--	NG
MW-64	4/19/2016	93.62	1.91	NP	--	91.71	--
MW-64	5/10/2016	93.62	2.89	NP	--	90.73	--
MW-64	5/24/2016	93.62	3.19	NP	--	90.43	--
MW-64	6/7/2016	93.62	3.53	NP	--	90.09	--
MW-64	6/21/2016	93.62	3.01	NP	--	90.61	--
MW-64	7/19/2016	93.62	4.12	NP	--	89.50	--
MW-64	8/23/2016	93.62	4.98	NP	--	88.64	--
MW-64	9/20/2016	93.62	4.09	NP	--	89.53	--
MW-64	11/8/2016	93.62	1.42	NP	--	92.20	--
MW-64	12/6/2016	93.62	1.28	NP	--	92.34	--
MW-64	3/21/2017	93.62	0.95	NP	--	92.67	--
MW-64	4/27/2017	93.62	1.95	NP	--	91.67	--
MW-64	5/30/2017	93.62	2.94	NP	--	90.68	--
MW-64	6/28/2017	93.62	3.97	NP	--	89.65	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-64	8/3/2017	93.62	4.93	NP	--	88.69	--
MW-64	8/31/2017	93.62	5.55	NP	--	88.07	--
MW-64	9/26/2017	93.62	5.77	NP	--	87.85	--
MW-64	11/29/2017	93.62	1.44	NP	--	92.18	--
MW-65	10/5/2015	--	6.89	NP	--	--	--
MW-65	10/12/2015	--	6.89	NP	--	--	--
MW-65	10/19/2015	--	6.96	NP	--	--	--
MW-65	11/2/2015	96.42	6.04	NP	--	90.38	--
MW-65	11/16/2015	96.42	3.10	NP	--	93.32	--
MW-65	11/30/2015	96.42	3.60	NP	--	92.82	--
MW-65	1/18/2016	96.42	2.60	NP	--	93.82	--
MW-65	2/1/2016	96.42	2.52	NP	--	93.90	--
MW-65	2/15/2016	96.42	1.15	NP	--	95.27	--
MW-65	3/7/2016	96.42	2.52	NP	--	93.90	--
MW-65	3/29/2016	96.42	2.45	NP	--	93.97	--
MW-65	4/5/2016	96.42	--	--	--	--	NG
MW-65	4/19/2016	96.42	3.10	NP	--	93.32	--
MW-65	5/10/2016	96.42	4.25	NP	--	92.17	--
MW-65	5/24/2016	96.42	4.77	NP	--	91.65	--
MW-65	6/7/2016	96.42	5.08	NP	--	91.34	--
MW-65	6/21/2016	96.42	4.72	NP	--	91.70	--
MW-65	7/19/2016	96.42	5.78	NP	--	90.64	--
MW-65	8/23/2016	96.42	6.65	NP	--	89.77	--
MW-65	9/20/2016	96.42	5.92	NP	--	90.50	--
MW-65	11/8/2016	96.42	2.90	NP	--	93.52	--
MW-65	12/6/2016	96.42	2.22	NP	--	94.20	--
MW-65	3/21/2017	96.42	1.59	NP	--	94.83	--
MW-65	4/27/2017	96.42	2.85	NP	--	93.57	--
MW-65	5/30/2017	96.42	4.07	NP	--	92.35	--
MW-65	6/27/2017	96.42	5.40	NP	--	91.02	--
MW-65	8/3/2017	96.42	6.48	NP	--	89.94	--
MW-65	9/26/2017	96.42	7.32	NP	--	89.10	--
MW-65	11/29/2017	96.42	3.38	NP	--	93.04	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-66	10/5/2015	--	6.68	NP	--	--	--
MW-66	10/12/2015	--	6.71	NP	--	--	--
MW-66	10/19/2015	--	6.72	NP	--	--	--
MW-66	11/2/2015	95.74	5.49	NP	--	90.25	--
MW-66	11/16/2015	95.74	1.45	NP	--	94.29	--
MW-66	11/30/2015	95.74	2.13	NP	--	93.61	--
MW-66	1/18/2016	95.74	1.82	NP	--	93.92	--
MW-66	2/1/2016	95.74	1.31	NP	--	94.43	--
MW-66	2/15/2016	95.74	--	--	--	--	NG
MW-66	3/7/2016	95.74	1.92	NP	--	93.82	--
MW-66	3/29/2016	95.74	1.53	NP	--	94.21	--
MW-66	4/5/2016	95.74	--	--	--	--	NG
MW-66	4/19/2016	95.74	2.65	NP	--	93.09	--
MW-66	5/10/2016	95.74	4.05	NP	--	91.69	--
MW-66	5/24/2016	95.74	4.53	NP	--	91.21	--
MW-66	6/7/2016	95.74	4.86	NP	--	90.88	--
MW-66	6/21/2016	95.74	4.56	NP	--	91.18	--
MW-66	7/19/2016	95.74	5.55	NP	--	90.19	--
MW-66	8/23/2016	95.74	6.40	NP	--	89.34	--
MW-66	9/20/2016	95.74	5.62	NP	--	90.12	--
MW-66	11/8/2016	95.74	1.55	NP	--	94.19	--
MW-66	12/6/2016	95.74	1.44	NP	--	94.30	--
MW-66	3/21/2017	95.74	1.12	NP	--	94.62	--
MW-66	4/27/2017	95.74	2.40	NP	--	93.34	--
MW-66	5/30/2017	95.74	3.92	NP	--	91.82	--
MW-66	6/27/2017	95.74	5.25	NP	--	90.49	--
MW-66	8/3/2017	95.74	6.28	NP	--	89.46	--
MW-66	8/31/2017	95.74	6.90	NP	--	88.84	--
MW-66	9/26/2017	95.74	7.22	NP	--	88.52	--
MW-66	11/29/2017	95.74	2.30	NP	--	93.44	--
MW-67	11/8/2016	95.61	1.96	NP	--	93.65	--
MW-67	12/6/2016	95.61	1.33	NP	--	94.28	--
MW-67	3/21/2017	95.61	0.26	NP	--	95.35	--
MW-67	4/27/2017	95.61	1.69	NP	--	93.92	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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-67	5/30/2017	95.61	3.50	NP	--	92.11	--
MW-67	6/28/2017	95.61	4.70	NP	--	90.91	--
MW-67	8/3/2017	95.61	5.82	NP	--	89.79	--
MW-67	8/31/2017	95.61	6.43	NP	--	89.18	--
MW-67	9/26/2017	95.61	6.70	NP	--	88.91	--
MW-67	11/29/2017	95.61	2.83	NP	--	92.78	--
MW-68	11/7/2016	95.69	3.27	NP	--	92.42	--
MW-68	12/6/2016	95.69	2.30	NP	--	93.39	--
MW-68	3/21/2017	95.69	0.93	NP	--	94.76	--
MW-68	4/27/2017	95.69	2.32	NP	--	93.37	--
MW-68	5/30/2017	95.69	3.75	NP	--	91.94	--
MW-68	6/28/2017	95.69	4.83	NP	--	90.86	--
MW-68	8/3/2017	95.69	5.93	NP	--	89.76	--
MW-68	8/31/2017	95.69	6.54	NP	--	89.15	--
MW-68	9/26/2017	95.69	6.86	NP	--	88.83	--
MW-68	11/29/2017	95.69	3.96	NP	--	91.73	--
MW-69	11/8/2016	95.49	3.35	NP	--	92.14	--
MW-69	12/6/2016	95.49	1.67	NP	--	93.82	--
MW-69	3/21/2017	95.49	0.65	NP	--	94.84	--
MW-69	4/27/2017	95.49	2.15	NP	--	93.34	--
MW-69	5/30/2017	95.49	3.52	NP	--	91.97	--
MW-69	6/28/2017	95.49	4.61	NP	--	90.88	--
MW-69	8/3/2017	95.49	5.75	NP	--	89.74	--
MW-69	8/31/2017	95.49	6.44	NP	--	89.05	--
MW-69	9/26/2017	95.49	6.79	NP	--	88.70	--
MW-69	11/29/2017	95.49	4.06	NP	--	91.43	--
MW-70	11/8/2016	95.68	3.77	NP	--	91.91	--
MW-70	12/6/2016	95.68	1.88	NP	--	93.80	--
MW-70	3/21/2017	95.68	0.63	NP	--	95.05	--
MW-70	4/27/2017	95.68	2.01	NP	--	93.67	--
MW-70	5/30/2017	95.68	3.53	NP	--	92.15	--
MW-70	6/28/2017	95.68	4.67	NP	--	91.01	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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-70	8/3/2017	95.68	5.53	NP	--	90.15	--
MW-70	8/31/2017	95.68	6.03	NP	--	89.65	--
MW-70	9/26/2017	95.68	6.31	NP	--	89.37	--
MW-70	11/29/2017	95.68	4.85	NP	--	90.83	--
MW-71	11/8/2016	93.62	2.29	NP	--	91.33	--
MW-71	12/6/2016	93.62	2.02	NP	--	91.60	--
MW-71	3/21/2017	93.62	1.55	NP	--	92.07	--
MW-71	4/27/2017	93.62	2.64	NP	--	90.98	--
MW-71	5/30/2017	93.62	3.68	NP	--	89.94	--
MW-71	6/28/2017	93.62	4.56	NP	--	89.06	--
MW-71	8/3/2017	93.62	5.37	NP	--	88.25	--
MW-71	8/31/2017	93.62	5.89	NP	--	87.73	--
MW-71	9/26/2017	93.62	5.91	NP	--	87.71	--
MW-71	11/29/2017	93.62	2.56	NP	--	91.06	--
PW-1	3/17/2010	--	6.31	NP	--	--	--
PW-1	9/15/2010	--	8.46	NP	--	--	--
PW-1	3/4/2011	--	--	--	--	--	WI
PW-1	8/24/2011	--	8.29	NP	--	--	--
PW-1	5/10/2012	--	5.15	NP	--	--	--
PW-1	11/15/2012	--	7.46	NP	--	--	--
PW-1	3/27/2013	--	5.59	NP	--	--	--
PW-1	12/17/2013	--	7.36	NP	--	--	--
PW-1	6/24/2014	--	7.25	NP	--	--	--
PW-1	11/7/2014	--	5.90	NP	--	--	--
PW-1	11/8/2014	--	6.26	NP	--	--	--
PW-1	11/8/2014	--	6.22	NP	--	--	--
PW-1	11/9/2014	--	--	--	--	--	NG
PW-1	11/10/2014	--	5.96	NP	--	--	--
PW-1	11/12/2014	--	6.14	NP	--	--	--
PW-1	11/18/2014	--	6.63	NP	--	--	--
PW-1	11/19/2014	--	6.66	NP	--	--	--
PW-1	12/1/2014	--	5.73	NP	--	--	--
PW-1	12/8/2014	--	5.92	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-1	12/15/2014	--	--	--	--	--	NG
PW-1	12/22/2014	--	5.20	NP	--	--	--
PW-1	12/29/2014	--	4.82	NP	--	--	--
PW-1	1/5/2015	--	2.26	NP	--	--	--
PW-1	1/12/2015	--	5.00	NP	--	--	--
PW-1	1/19/2015	--	4.55	NP	--	--	--
PW-1	1/26/2015	--	4.56	NP	--	--	--
PW-1	2/2/2015	--	4.84	NP	--	--	--
PW-1	2/9/2015	--	4.39	NP	--	--	--
PW-1	2/16/2015	--	4.86	NP	--	--	--
PW-1	2/23/2015	--	5.42	NP	--	--	--
PW-1	3/2/2015	--	5.34	NP	--	--	--
PW-1	3/9/2015	--	5.93	NP	--	--	--
PW-1	3/16/2015	--	5.41	NP	--	--	--
PW-1	3/23/2015	--	5.08	NP	--	--	--
PW-1	3/30/2015	--	5.16	NP	--	--	--
PW-1	4/6/2015	--	5.87	NP	--	--	--
PW-1	4/22/2015	--	6.58	NP	--	--	--
PW-1	5/4/2015	--	6.85	NP	--	--	--
PW-1	5/18/2015	--	7.25	NP	--	--	--
PW-1	6/1/2015	--	7.75	NP	--	--	--
PW-1	6/15/2015	--	8.12	NP	--	--	--
PW-1	6/19/2015	--	7.98	NP	--	--	--
PW-1	6/29/2015	--	8.17	NP	--	--	--
PW-1	7/13/2015	--	8.78	NP	--	--	--
PW-1	7/28/2015	--	--	--	--	--	WI
PW-1	8/24/2015	--	--	--	--	--	WI
PW-1	9/8/2015	--	--	--	--	--	WI
PW-1	9/21/2015	--	9.16	NP	--	--	--
PW-1	10/5/2015	--	9.30	NP	--	--	--
PW-1	10/12/2015	--	9.40	NP	--	--	--
PW-1	10/19/2015	--	9.45	NP	--	--	--
PW-1	11/2/2015	--	--	--	--	--	NG
PW-1	11/16/2015	--	--	--	--	--	NG
PW-1	11/30/2015	--	--	--	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-1	1/18/2016	--	5.51	NP	--	--	--
PW-1	2/1/2016	--	4.54	NP	--	--	--
PW-1	2/15/2016	--	3.18	NP	--	--	--
PW-1	3/7/2016	--	5.23	NP	--	--	--
PW-1	3/29/2016	--	4.77	NP	--	--	--
PW-1	4/5/2016	--	--	--	--	--	NG
PW-1	4/19/2016	--	5.90	NP	--	--	--
PW-1	5/10/2016	--	--	--	--	--	WI
PW-1	5/24/2016	--	7.19	NP	--	--	--
PW-1	6/7/2016	--	7.50	NP	--	--	--
PW-1	6/21/2016	--	7.21	NP	--	--	--
PW-1	7/19/2016	--	8.06	NP	--	--	--
PW-1	8/23/2016	--	8.92	NP	--	--	--
PW-1	9/20/2016	--	8.37	NP	--	--	--
PW-1	11/8/2016	--	5.75	NP	--	--	--
PW-1	12/6/2016	--	4.93	NP	--	--	--
PW-1	3/21/2017	--	4.10	NP	--	--	--
PW-1	4/27/2017	--	5.72	NP	--	--	--
PW-1	5/30/2017	--	6.56	NP	--	--	--
PW-1	6/28/2017	--	7.70	NP	--	--	--
PW-1	8/3/2017	--	8.76	NP	--	--	--
PW-1	8/31/2017	--	9.38	NP	--	--	--
PW-1	9/26/2017	--	9.66	NP	--	--	--
PW-1	11/29/2017	--	6.21	NP	--	--	--
PW-2	3/17/2010	--	6.86	NP	--	--	--
PW-2	9/15/2010	--	8.64	NP	--	--	--
PW-2	3/4/2011	--	5.05	NP	--	--	--
PW-2	8/24/2011	--	8.54	NP	--	--	--
PW-2	5/10/2012	--	5.40	NP	--	--	--
PW-2	11/15/2012	--	8.02	NP	--	--	--
PW-2	12/17/2012	--	7.70	NP	--	--	--
PW-2	3/27/2013	--	6.04	NP	--	--	--
PW-2	6/24/2014	--	7.54	NP	--	--	--
PW-2	11/7/2014	--	6.40	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-2	11/8/2014	--	6.26	NP	--	--	--
PW-2	11/8/2014	--	6.65	NP	--	--	--
PW-2	11/9/2014	--	--	--	--	--	NG
PW-2	11/10/2014	--	6.41	NP	--	--	--
PW-2	11/12/2014	--	6.54	NP	--	--	--
PW-2	11/18/2014	--	7.05	NP	--	--	--
PW-2	11/19/2014	--	7.07	NP	--	--	--
PW-2	12/1/2014	--	6.02	NP	--	--	--
PW-2	12/8/2014	--	6.35	NP	--	--	--
PW-2	12/15/2014	--	--	--	--	--	NG
PW-2	12/22/2014	--	5.67	NP	--	--	--
PW-2	12/29/2014	--	5.13	NP	--	--	--
PW-2	1/5/2015	--	3.87	NP	--	--	--
PW-2	1/12/2015	--	5.26	NP	--	--	--
PW-2	1/19/2015	--	5.00	NP	--	--	--
PW-2	1/26/2015	--	4.84	NP	--	--	--
PW-2	2/2/2015	--	5.85	NP	--	--	--
PW-2	2/9/2015	--	4.85	NP	--	--	--
PW-2	2/16/2015	--	5.21	NP	--	--	--
PW-2	2/23/2015	--	5.89	NP	--	--	--
PW-2	3/2/2015	--	5.80	NP	--	--	--
PW-2	3/9/2015	--	6.35	NP	--	--	--
PW-2	3/16/2015	--	5.91	NP	--	--	--
PW-2	3/23/2015	--	5.44	NP	--	--	--
PW-2	3/30/2015	--	5.60	NP	--	--	--
PW-2	4/6/2015	--	6.17	NP	--	--	--
PW-2	4/22/2015	--	7.04	NP	--	--	--
PW-2	5/4/2015	--	7.20	NP	--	--	--
PW-2	5/18/2015	--	7.53	NP	--	--	--
PW-2	6/1/2015	--	8.95	NP	--	--	--
PW-2	6/15/2015	--	8.28	NP	--	--	--
PW-2	6/19/2015	--	8.38	NP	--	--	--
PW-2	6/29/2015	--	8.62	NP	--	--	--
PW-2	7/13/2015	--	8.87	NP	--	--	--
PW-2	7/28/2015	--	9.11	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-2	8/10/2015	--	9.30	NP	--	--	--
PW-2	8/24/2015	--	--	--	--	--	WI
PW-2	9/8/2015	--	--	--	--	--	WI
PW-2	9/21/2015	--	9.54	NP	--	--	--
PW-2	10/5/2015	--	9.59	NP	--	--	--
PW-2	10/12/2015	--	9.61	NP	--	--	--
PW-2	10/19/2015	--	9.63	NP	--	--	--
PW-2	11/2/2015	--	--	--	--	--	NG
PW-2	11/16/2015	--	--	--	--	--	NG
PW-2	11/30/2015	--	--	--	--	--	--
PW-2	1/18/2016	--	5.98	NP	--	--	--
PW-2	2/1/2016	--	4.98	NP	--	--	--
PW-2	2/15/2016	--	3.90	NP	--	--	--
PW-2	3/7/2016	--	5.72	NP	--	--	--
PW-2	3/29/2016	--	5.23	NP	--	--	--
PW-2	4/5/2016	--	--	--	--	--	NG
PW-2	4/19/2016	--	6.36	NP	--	--	--
PW-2	5/10/2016	--	--	--	--	--	WI
PW-2	5/24/2016	--	7.53	NP	--	--	--
PW-2	6/7/2016	--	7.81	NP	--	--	--
PW-2	6/21/2016	--	7.70	NP	--	--	--
PW-2	7/19/2016	--	8.23	NP	--	--	--
PW-2	8/23/2016	--	9.01	NP	--	--	--
PW-2	9/20/2016	--	8.91	NP	--	--	--
PW-2	11/8/2016	--	6.22	NP	--	--	--
PW-2	12/6/2016	--	5.35	NP	--	--	--
PW-2	3/21/2017	--	4.55	NP	--	--	--
PW-2	4/27/2017	--	6.23	NP	--	--	--
PW-2	5/30/2017	--	7.00	NP	--	--	--
PW-2	6/28/2017	--	8.07	NP	--	--	--
PW-2	8/3/2017	--	9.08	NP	--	--	--
PW-2	8/31/2017	--	9.60	NP	--	--	--
PW-2	9/26/2017	--	9.68	NP	--	--	--
PW-2	11/29/2017	--	6.74	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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
PW-3	1/20/2009	--	4.51	NP	--	--	--
PW-3	3/17/2010	--	6.01	NP	--	--	--
PW-3	9/15/2010	--	8.04	NP	--	--	--
PW-3	3/4/2011	--	4.25	NP	--	--	--
PW-3	8/24/2011	--	7.97	NP	--	--	--
PW-3	5/10/2012	--	4.73	NP	--	--	--
PW-3	11/15/2012	--	6.96	NP	--	--	--
PW-3	3/27/2013	--	5.16	NP	--	--	--
PW-3	12/17/2013	--	6.86	NP	--	--	--
PW-3	6/24/2014	--	6.86	NP	--	--	--
PW-3	11/7/2014	--	5.30	NP	--	--	--
PW-3	11/8/2014	--	5.24	NP	--	--	--
PW-3	11/8/2014	--	5.36	NP	--	--	--
PW-3	11/9/2014	--	--	--	--	--	NG
PW-3	11/10/2014	--	5.36	NP	--	--	--
PW-3	11/12/2014	--	5.53	NP	--	--	--
PW-3	11/18/2014	--	6.11	NP	--	--	--
PW-3	11/19/2014	--	6.13	NP	--	--	--
PW-3	12/1/2014	--	5.09	NP	--	--	--
PW-3	12/8/2014	--	5.32	NP	--	--	--
PW-3	12/15/2014	--	--	--	--	--	NG
PW-3	12/22/2014	--	4.74	NP	--	--	--
PW-3	12/29/2014	--	4.34	NP	--	--	--
PW-3	1/5/2015	--	2.05	NP	--	--	--
PW-3	1/12/2015	--	4.49	NP	--	--	--
PW-3	1/19/2015	--	4.13	NP	--	--	--
PW-3	1/26/2015	--	4.02	NP	--	--	--
PW-3	2/2/2015	--	3.83	NP	--	--	--
PW-3	2/9/2015	--	3.97	NP	--	--	--
PW-3	2/16/2015	--	4.42	NP	--	--	--
PW-3	2/23/2015	--	4.96	NP	--	--	--
PW-3	3/2/2015	--	4.85	NP	--	--	--
PW-3	3/9/2015	--	5.49	NP	--	--	--
PW-3	3/16/2015	--	4.89	NP	--	--	--
PW-3	3/23/2015	--	4.54	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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
PW-3	3/30/2015	--	4.68	NP	--	--	--
PW-3	4/6/2015	--	5.37	NP	--	--	--
PW-3	4/22/2015	--	6.22	NP	--	--	--
PW-3	5/4/2015	--	6.44	NP	--	--	--
PW-3	5/18/2015	--	6.85	NP	--	--	--
PW-3	6/1/2015	--	7.40	NP	--	--	--
PW-3	6/15/2015	--	7.77	NP	--	--	--
PW-3	6/19/2015	--	7.88	NP	--	--	--
PW-3	6/29/2015	--	8.15	NP	--	--	--
PW-3	7/13/2015	--	8.48	NP	--	--	--
PW-3	7/28/2015	--	8.80	NP	--	--	--
PW-3	8/10/2015	--	9.09	NP	--	--	--
PW-3	8/24/2015	--	--	--	--	--	WI
PW-3	9/8/2015	--	--	--	--	--	WI
PW-3	9/21/2015	--	8.79	NP	--	--	--
PW-3	10/5/2015	--	8.93	NP	--	--	--
PW-3	10/12/2015	--	8.96	NP	--	--	--
PW-3	10/19/2015	--	9.03	NP	--	--	--
PW-3	11/2/2015	--	--	--	--	--	NG
PW-3	11/16/2015	--	--	--	--	--	NG
PW-3	11/30/2015	--	--	--	--	--	--
PW-3	1/18/2016	--	5.05	NP	--	--	--
PW-3	2/1/2016	--	4.06	NP	--	--	--
PW-3	2/15/2016	--	3.04	NP	--	--	--
PW-3	3/7/2016	--	4.85	NP	--	--	--
PW-3	3/29/2016	--	4.34	NP	--	--	--
PW-3	4/5/2016	--	--	--	--	--	NG
PW-3	4/19/2016	--	5.48	NP	--	--	--
PW-3	5/10/2016	--	6.34	NP	--	--	--
PW-3	5/24/2016	--	6.80	NP	--	--	--
PW-3	6/7/2016	--	7.11	NP	--	--	--
PW-3	6/21/2016	--	6.79	NP	--	--	--
PW-3	7/19/2016	--	7.71	NP	--	--	--
PW-3	8/23/2016	--	8.62	NP	--	--	--
PW-3	9/20/2016	--	8.00	NP	--	--	--

TABLE 1
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Allen Pump Station
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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
PW-3	11/8/2016	--	5.25	NP	--	--	--
PW-3	12/6/2016	--	4.46	NP	--	--	--
PW-3	3/21/2017	--	3.62	NP	--	--	--
PW-3	4/27/2017	--	5.35	NP	--	--	--
PW-3	5/30/2017	--	6.18	NP	--	--	--
PW-3	6/28/2017	--	7.34	NP	--	--	--
PW-3	8/3/2017	--	8.45	NP	--	--	--
PW-3	8/31/2017	--	9.08	NP	--	--	--
PW-3	9/26/2017	--	9.37	NP	--	--	--
PW-3	11/29/2017	--	5.77	NP	--	--	--
PW-4	6/23/1992	99.94	6.21	NP	--	93.73	--
PW-4	7/2/1992	99.94	5.76	NP	--	94.18	--
PW-4	8/17/1992	99.94	6.28	NP	--	93.66	--
PW-4	9/30/1992	99.94	6.66	NP	--	93.28	--
PW-4	10/30/1992	99.94	6.30	NP	--	93.64	--
PW-4	11/30/1992	99.94	4.04	NP	--	95.90	--
PW-4	4/16/1993	99.94	4.63	NP	--	95.31	--
PW-4	10/3/2000	99.94	7.21	7.19	0.02	92.74	--
PW-4	2/28/2001	99.94	4.70	NP	--	95.24	--
PW-4	5/30/2001	99.94	5.37	NP	--	94.57	--
PW-4	8/22/2001	99.94	7.31	7.23	0.08	92.69	--
PW-4	11/21/2001	99.94	4.94	NP	--	95.00	--
PW-4	2/20/2002	99.94	3.85	NP	--	96.09	--
PW-4	5/16/2002	99.94	4.64	NP	--	95.30	--
PW-4	8/2/2002	99.94	6.51	6.50	0.01	93.44	--
PW-4	12/19/2002	99.94	7.04	NP	--	92.90	--
PW-4	5/19/2003	99.94	5.57	5.41	0.16	94.49	--
PW-4	11/13/2003	99.94	6.12	NP	--	93.82	--
PW-4	6/4/2004	99.94	5.57	5.39	0.18	94.51	--
PW-4	10/7/2004	99.94	6.17	6.05	0.12	93.86	--
PW-4	4/28/2005	99.94	4.31	4.21	0.10	95.70	--
PW-4	11/16/2005	99.94	5.01	4.88	0.13	95.03	--
PW-4	6/13/2006	99.94	5.55	NP	--	94.39	--
PW-4	2/26/2007	99.94	3.10	2.72	0.38	97.13	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-4	5/9/2007	99.94	5.37	NP	--	94.57	--
PW-4	7/16/2007	99.94	6.92	6.88	0.04	93.05	--
PW-4	8/22/2007	99.94	7.51	7.48	0.03	92.45	--
PW-4	9/25/2007	99.94	8.82	NP	--	91.12	--
PW-4	10/25/2007	99.94	5.82	NP	--	94.12	--
PW-4	11/9/2007	99.94	--	--	--	--	NG
PW-4	12/3/2007	99.94	5.50	NP	--	94.44	--
PW-4	1/17/2008	99.94	3.41	NP	--	96.53	--
PW-4	4/7/2008	99.94	3.33	NP	--	96.61	--
PW-4	7/22/2008	99.94	6.95	6.15	0.80	93.59	--
PW-4	10/21/2008	99.94	7.81	7.29	0.52	92.52	--
PW-4	7/6/2009	99.94	7.15	6.84	0.31	93.02	--
PW-4	3/17/2010	99.94	5.00	4.76	0.24	95.12	--
PW-4	9/15/2010	99.94	7.22	6.65	0.57	93.15	--
PW-4	3/4/2011	99.94	3.09	NP	--	96.85	--
PW-4	8/24/2011	99.94	7.01	6.69	0.32	93.17	--
PW-4	11/8/2011	99.94	6.99	NP	--	92.95	--
PW-4	5/10/2012	99.94	3.46	NP	--	96.48	--
PW-4	11/15/2012	99.94	5.64	NP	--	94.30	--
PW-4	3/27/2013	99.94	4.04	NP	--	95.90	--
PW-4	12/17/2013	99.94	3.49	NP	--	96.45	--
PW-4	6/24/2014	99.94	5.75	5.61	0.14	94.30	--
PW-4	11/7/2014	99.94	4.09	NP	--	95.85	--
PW-4	11/8/2014	99.94	--	--	--	--	NG
PW-4	11/8/2014	99.94	--	--	--	--	NG
PW-4	11/9/2014	99.94	--	--	--	--	NG
PW-4	11/10/2014	99.94	3.92	NP	--	96.02	--
PW-4	11/12/2014	99.94	4.04	NP	--	95.90	--
PW-4	11/18/2014	99.94	4.71	NP	--	95.23	--
PW-4	11/19/2014	99.94	4.72	NP	--	95.22	--
PW-4	12/1/2014	99.94	3.53	NP	--	96.41	--
PW-4	12/8/2014	99.94	3.81	NP	--	96.13	--
PW-4	12/15/2014	99.94	--	--	--	--	NG
PW-4	12/22/2014	99.94	3.30	NP	--	96.64	--
PW-4	12/29/2014	99.94	2.94	NP	--	97.00	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-4	1/5/2015	99.94	1.90	NP	--	98.04	--
PW-4	1/12/2015	99.94	3.10	NP	--	96.84	--
PW-4	1/19/2015	99.94	2.88	NP	--	97.06	--
PW-4	1/26/2015	99.94	2.58	NP	--	97.36	--
PW-4	2/2/2015	99.94	2.46	NP	--	97.48	--
PW-4	2/9/2015	99.94	2.60	NP	--	97.34	--
PW-4	2/16/2015	99.94	2.97	NP	--	96.97	--
PW-4	2/23/2015	99.94	3.54	NP	--	96.40	--
PW-4	3/2/2015	99.94	3.44	NP	--	96.50	--
PW-4	3/9/2015	99.94	4.11	4.09	0.02	95.84	--
PW-4	3/16/2015	99.94	3.47	NP	--	96.47	--
PW-4	3/23/2015	99.94	2.08	NP	--	97.86	--
PW-4	3/30/2015	99.94	3.25	NP	--	96.69	--
PW-4	4/6/2015	99.94	4.03	3.99	0.04	95.94	--
PW-4	4/22/2015	99.94	4.97	NP	--	94.97	--
PW-4	5/4/2015	99.94	5.20	5.15	0.05	94.78	--
PW-4	5/18/2015	99.94	5.61	5.59	0.02	94.34	--
PW-4	6/1/2015	99.94	8.21	NP	--	91.73	--
PW-4	6/15/2015	99.94	6.58	NP	--	93.36	--
PW-4	6/19/2015	99.94	6.97	NP	--	92.97	--
PW-4	6/29/2015	99.94	7.15	NP	--	92.79	--
PW-4	7/13/2015	99.94	7.47	NP	--	92.47	--
PW-4	7/28/2015	99.94	7.72	NP	--	92.22	--
PW-4	8/24/2015	99.94	8.05	NP	--	91.89	--
PW-4	9/8/2015	99.94	7.74	NP	--	92.20	--
PW-4	9/21/2015	99.94	7.58	NP	--	92.36	--
PW-4	10/5/2015	99.94	7.75	NP	--	92.19	--
PW-4	10/12/2015	99.94	7.81	NP	--	92.13	--
PW-4	10/19/2015	99.94	7.80	NP	--	92.14	--
PW-4	11/2/2015	99.94	--	--	--	--	NG
PW-4	11/16/2015	99.94	4.44	NP	--	95.50	--
PW-4	11/30/2015	99.94	--	--	--	--	--
PW-4	1/18/2016	99.94	3.97	NP	--	95.97	--
PW-4	2/1/2016	99.94	2.90	NP	--	97.04	--
PW-4	2/15/2016	99.94	2.15	2.14	0.01	97.80	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-4	3/7/2016	99.94	3.60	NP	--	96.34	--
PW-4	3/29/2016	99.94	3.26	3.25	0.01	96.69	--
PW-4	4/5/2016	99.94	--	--	--	--	NG
PW-4	4/19/2016	99.94	4.20	4.11	0.09	95.81	--
PW-4	5/10/2016	99.94	--	--	--	--	WI
PW-4	5/24/2016	99.94	5.83	NP	--	94.11	--
PW-4	6/7/2016	99.94	5.92	NP	--	94.02	--
PW-4	6/21/2016	99.94	5.53	NP	--	94.41	--
PW-4	7/19/2016	99.94	6.52	NP	--	93.42	--
PW-4	8/23/2016	99.94	7.44	7.43	0.01	92.51	--
PW-4	9/20/2016	99.94	7.14	NP	--	92.80	--
PW-4	11/8/2016	99.94	4.25	NP	--	95.69	--
PW-4	12/6/2016	99.94	3.11	NP	--	96.83	--
PW-4	3/21/2017	99.94	2.37	NP	--	97.57	--
PW-4	4/27/2017	99.94	4.44	NP	--	95.50	--
PW-4	5/30/2017	99.94	5.21	NP	--	94.73	--
PW-4	6/28/2017	99.94	6.22	NP	--	93.72	--
PW-4	8/3/2017	99.94	7.28	NP	--	92.66	--
PW-4	8/31/2017	99.94	7.89	NP	--	92.05	--
PW-4	9/26/2017	99.94	8.14	NP	--	91.80	--
PW-4	11/29/2017	99.94	4.31	NP	--	95.63	--
PW-5A	3/17/2010	--	4.81	NP	--	--	--
PW-5A	9/15/2010	--	7.36	NP	--	--	--
PW-5A	3/4/2011	--	3.11	NP	--	--	--
PW-5A	8/24/2011	--	7.32	NP	--	--	--
PW-5A	5/10/2012	--	3.67	NP	--	--	--
PW-5A	11/15/2012	--	5.92	NP	--	--	--
PW-5A	3/27/2013	--	4.40	NP	--	--	--
PW-5A	12/17/2013	--	6.22	NP	--	--	--
PW-5A	6/24/2014	--	6.13	NP	--	--	--
PW-5A	11/7/2014	--	4.45	NP	--	--	--
PW-5A	11/8/2014	--	--	--	--	--	NG
PW-5A	11/9/2014	--	--	--	--	--	NG
PW-5A	11/10/2014	--	4.89	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-5A	11/12/2014	--	5.02	NP	--	--	--
PW-5A	11/18/2014	--	5.51	NP	--	--	--
PW-5A	11/19/2014	--	5.52	NP	--	--	--
PW-5A	12/1/2014	--	4.47	NP	--	--	--
PW-5A	12/8/2014	--	4.43	NP	--	--	--
PW-5A	12/15/2014	--	--	--	--	--	NG
PW-5A	12/22/2014	--	3.73	NP	--	--	--
PW-5A	12/29/2014	--	3.42	NP	--	--	--
PW-5A	1/5/2015	--	2.22	NP	--	--	--
PW-5A	1/12/2015	--	3.54	NP	--	--	--
PW-5A	1/19/2015	--	3.15	NP	--	--	--
PW-5A	1/26/2015	--	3.22	NP	--	--	--
PW-5A	2/2/2015	--	4.03	NP	--	--	--
PW-5A	2/9/2015	--	3.24	NP	--	--	--
PW-5A	2/16/2015	--	3.55	NP	--	--	--
PW-5A	2/23/2015	--	4.00	NP	--	--	--
PW-5A	3/2/2015	--	3.87	NP	--	--	--
PW-5A	3/9/2015	--	4.81	NP	--	--	--
PW-5A	3/16/2015	--	3.51	NP	--	--	--
PW-5A	3/23/2015	--	3.69	NP	--	--	--
PW-5A	3/30/2015	--	3.87	NP	--	--	--
PW-5A	4/6/2015	--	4.68	NP	--	--	--
PW-5A	4/22/2015	--	5.56	NP	--	--	--
PW-5A	5/4/2015	--	5.74	NP	--	--	--
PW-5A	5/18/2015	--	6.14	NP	--	--	--
PW-5A	6/1/2015	--	6.69	NP	--	--	--
PW-5A	6/15/2015	--	7.06	NP	--	--	--
PW-5A	6/19/2015	--	7.20	NP	--	--	--
PW-5A	6/29/2015	--	7.45	NP	--	--	--
PW-5A	7/13/2015	--	7.78	NP	--	--	--
PW-5A	7/28/2015	--	--	--	--	--	WI
PW-5A	8/24/2015	--	8.62	NP	--	--	--
PW-5A	9/8/2015	--	--	--	--	--	WI
PW-5A	9/21/2015	--	8.15	NP	--	--	--
PW-5A	10/5/2015	--	8.32	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-5A	10/12/2015	--	8.39	NP	--	--	--
PW-5A	10/19/2015	--	8.52	NP	--	--	--
PW-5A	11/2/2015	--	--	--	--	--	NG
PW-5A	11/16/2015	--	--	--	--	--	NG
PW-5A	11/30/2015	--	--	--	--	--	--
PW-5A	1/18/2016	--	4.17	NP	--	--	--
PW-5A	2/1/2016	--	3.27	NP	--	--	--
PW-5A	2/15/2016	--	2.40	NP	--	--	--
PW-5A	3/7/2016	--	3.89	NP	--	--	--
PW-5A	3/29/2016	--	3.51	NP	--	--	--
PW-5A	4/5/2016	--	--	--	--	--	NG
PW-5A	4/19/2016	--	4.78	NP	--	--	--
PW-5A	5/10/2016	--	5.66	NP	--	--	--
PW-5A	5/24/2016	--	6.12	NP	--	--	--
PW-5A	6/7/2016	--	6.42	NP	--	--	--
PW-5A	6/21/2016	--	6.00	NP	--	--	--
PW-5A	7/19/2016	--	7.01	NP	--	--	--
PW-5A	8/23/2016	--	8.94	NP	--	--	--
PW-5A	9/20/2016	--	7.36	NP	--	--	--
PW-5A	11/8/2016	--	4.60	NP	--	--	--
PW-5A	12/6/2016	--	3.59	NP	--	--	--
PW-5A	3/21/2017	--	2.86	NP	--	--	--
PW-5A	4/27/2017	--	4.62	NP	--	--	--
PW-5A	5/30/2017	--	5.39	NP	--	--	--
PW-5A	6/28/2017	--	6.64	NP	--	--	--
PW-5A	8/3/2017	--	7.76	NP	--	--	--
PW-5A	8/31/2017	--	8.43	NP	--	--	--
PW-5A	9/26/2017	--	8.74	NP	--	--	--
PW-5A	11/29/2017	--	5.15	NP	--	--	--
PW-6	1/20/2009	--	4.98	NP	--	--	--
PW-6	3/17/2010	--	6.66	NP	--	--	--
PW-6	9/15/2010	--	8.56	NP	--	--	--
PW-6	3/4/2011	--	4.79	NP	--	--	--
PW-6	8/24/2011	--	8.55	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-6	5/10/2012	--	5.22	NP	--	--	--
PW-6	11/15/2012	--	7.56	NP	--	--	--
PW-6	3/27/2013	--	5.65	NP	--	--	--
PW-6	12/17/2013	--	7.35	NP	--	--	--
PW-6	6/24/2014	--	7.36	NP	--	--	--
PW-6	11/7/2014	--	6.00	NP	--	--	--
PW-6	11/8/2014	--	--	--	--	--	NG
PW-6	11/9/2014	--	--	--	--	--	NG
PW-6	11/10/2014	--	5.98	NP	--	--	--
PW-6	11/12/2014	--	6.18	NP	--	--	--
PW-6	11/18/2014	--	6.74	NP	--	--	--
PW-6	11/19/2014	--	6.74	NP	--	--	--
PW-6	12/1/2014	--	5.72	NP	--	--	--
PW-6	12/8/2014	--	5.94	NP	--	--	--
PW-6	12/15/2014	--	--	--	--	--	NG
PW-6	12/22/2014	--	5.33	NP	--	--	--
PW-6	12/29/2014	--	4.90	NP	--	--	--
PW-6	1/5/2015	--	3.79	NP	--	--	--
PW-6	1/12/2015	--	5.02	NP	--	--	--
PW-6	1/19/2015	--	4.91	NP	--	--	--
PW-6	1/26/2015	--	4.60	NP	--	--	--
PW-6	2/2/2015	--	5.43	NP	--	--	--
PW-6	2/9/2015	--	4.63	NP	--	--	--
PW-6	2/16/2015	--	4.93	NP	--	--	--
PW-6	2/23/2015	--	5.50	NP	--	--	--
PW-6	3/2/2015	--	5.41	NP	--	--	--
PW-6	3/9/2015	--	6.01	NP	--	--	--
PW-6	3/16/2015	--	5.48	NP	--	--	--
PW-6	3/23/2015	--	5.09	NP	--	--	--
PW-6	3/30/2015	--	5.20	NP	--	--	--
PW-6	4/6/2015	--	5.90	NP	--	--	--
PW-6	4/22/2015	--	6.72	NP	--	--	--
PW-6	5/4/2015	--	6.97	NP	--	--	--
PW-6	5/18/2015	--	7.37	NP	--	--	--
PW-6	6/1/2015	--	7.94	NP	--	--	--

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Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
PW-6	6/15/2015	--	8.34	NP	--	--	--
PW-6	6/19/2015	--	8.44	NP	--	--	--
PW-6	6/29/2015	--	8.73	NP	--	--	--
PW-6	7/13/2015	--	9.06	NP	--	--	--
PW-6	7/28/2015	--	9.37	NP	--	--	--
PW-6	8/24/2015	--	--	--	--	--	Dry
PW-6	9/8/2015	--	--	--	--	--	WI
PW-6	9/21/2015	--	9.35	NP	--	--	--
PW-6	10/5/2015	--	9.52	NP	--	--	--
PW-6	10/12/2015	--	9.60	NP	--	--	--
PW-6	10/19/2015	--	9.64	NP	--	--	--
PW-6	11/2/2015	--	--	--	--	--	NG
PW-6	11/16/2015	--	--	--	--	--	NG
PW-6	11/30/2015	--	--	--	--	--	--
PW-6	1/18/2016	--	5.57	NP	--	--	--
PW-6	2/1/2016	--	4.61	NP	--	--	--
PW-6	2/15/2016	--	3.61	NP	--	--	--
PW-6	3/7/2016	--	5.32	NP	--	--	--
PW-6	3/29/2016	--	4.86	NP	--	--	--
PW-6	4/5/2016	--	--	--	--	--	NG
PW-6	4/19/2016	--	6.00	NP	--	--	--
PW-6	5/10/2016	--	6.86	NP	--	--	--
PW-6	5/24/2016	--	7.32	NP	--	--	--
PW-6	6/7/2016	--	7.63	NP	--	--	--
PW-6	6/21/2016	--	7.31	NP	--	--	--
PW-6	7/19/2016	--	8.25	NP	--	--	--
PW-6	8/23/2016	--	9.13	NP	--	--	--
PW-6	9/20/2016	--	8.57	NP	--	--	--
PW-6	11/8/2016	--	5.71	NP	--	--	--
PW-6	12/6/2016	--	4.92	NP	--	--	--
PW-6	3/21/2017	--	4.13	NP	--	--	--
PW-6	4/27/2017	--	5.83	NP	--	--	--
PW-6	5/30/2017	--	6.68	NP	--	--	--
PW-6	6/28/2017	--	7.87	NP	--	--	--
PW-6	8/3/2017	--	9.01	NP	--	--	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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
PW-6	8/31/2017	--	9.63	NP	--	--	--
PW-6	9/26/2017	--	9.67	NP	--	--	--
PW-6	11/29/2017	--	6.30	NP	--	--	--
RW-1	11/17/2014	--	4.96	NP	--	--	--
RW-1	11/18/2014	--	5.35	NP	--	--	--
RW-1	11/19/2014	--	5.35	NP	--	--	--
RW-1	12/1/2014	96.57	2.21	NP	--	94.36	--
RW-1	12/8/2014	96.57	2.89	NP	--	93.68	--
RW-1	12/15/2014	96.57	2.26	NP	--	94.31	--
RW-1	12/22/2014	96.57	2.40	NP	--	94.17	--
RW-1	12/29/2014	96.57	2.00	1.97	0.03	94.59	--
RW-1	1/5/2015	96.57	0.50	NP	--	96.07	--
RW-1	1/12/2015	96.57	2.38	2.37	0.01	94.20	--
RW-1	1/13/2015	96.57	2.65	NP	--	93.92	--
RW-1	1/14/2015	96.57	2.73	NP	--	93.84	--
RW-1	1/19/2015	96.57	1.82	1.81	0.01	94.76	--
RW-1	1/26/2015	96.57	2.80	2.78	0.02	93.79	--
RW-1	2/2/2015	96.57	2.53	NP	--	94.04	--
RW-1	2/9/2015	96.57	1.68	1.65	0.03	94.91	--
RW-1	2/16/2015	96.57	2.02	NP	--	94.55	--
RW-1	2/23/2015	96.57	2.60	NP	--	93.97	--
RW-1	3/2/2015	96.57	2.54	2.52	0.02	94.05	--
RW-1	3/9/2015	96.57	3.12	NP	--	93.45	--
RW-1	3/16/2015	96.57	2.25	NP	--	94.32	--
RW-1	3/23/2015	96.57	2.10	2.09	0.01	94.48	--
RW-1	3/30/2015	96.57	2.30	2.29	0.01	94.28	--
RW-1	4/6/2015	96.57	3.06	NP	--	93.51	--
RW-1	4/7/2015	96.57	3.35	3.34	0.01	93.23	--
RW-1	4/22/2015	96.57	4.22	4.21	0.01	92.36	--
RW-1	5/4/2015	96.57	4.49	4.45	0.04	92.11	--
RW-1	5/18/2015	96.57	4.98	4.97	0.01	91.60	--
RW-1	6/1/2015	96.57	5.62	NP	--	90.95	--
RW-1	6/15/2015	96.57	6.12	6.10	0.02	90.46	--
RW-1	6/19/2015	96.57	6.27	6.26	0.01	90.31	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-1	6/29/2015	96.57	6.56	6.55	0.01	90.02	--
RW-1	7/13/2015	96.57	6.93	6.92	0.01	89.65	--
RW-1	7/28/2015	96.57	7.26	NP	--	89.31	--
RW-1	8/10/2015	96.57	7.47	NP	--	89.10	--
RW-1	8/24/2015	96.57	7.34	NP	--	89.23	--
RW-1	9/8/2015	96.57	--	--	--	--	WI
RW-1	9/21/2015	96.57	--	--	--	--	NG
RW-1	10/5/2015	96.57	--	--	--	--	NG
RW-1	10/12/2015	96.57	--	--	--	--	WI
RW-1	10/19/2015	96.57	8.21	NP	--	88.36	--
RW-1	11/2/2015	96.57	--	--	--	--	WI
RW-1	11/16/2015	96.57	--	--	--	--	NG
RW-1	11/30/2015	96.57	--	--	--	--	--
RW-1	1/18/2016	96.57	2.56	NP	--	94.01	--
RW-1	2/1/2016	96.57	1.77	NP	--	94.80	--
RW-1	2/15/2016	96.57	--	--	--	--	NG
RW-1	3/7/2016	96.57	2.43	NP	--	94.14	--
RW-1	3/29/2016	96.57	1.98	NP	--	94.59	--
RW-1	4/5/2016	96.57	2.18	NP	--	94.39	--
RW-1	4/19/2016	96.57	3.25	NP	--	93.32	--
RW-1	5/10/2016	96.57	4.35	NP	--	92.22	--
RW-1	5/24/2016	96.57	4.79	NP	--	91.78	--
RW-1	6/7/2016	96.57	5.16	NP	--	91.41	--
RW-1	6/21/2016	96.57	4.71	NP	--	91.86	--
RW-1	7/19/2016	96.57	5.88	NP	--	90.69	--
RW-1	8/23/2016	96.57	6.81	NP	--	89.76	--
RW-1	9/20/2016	96.57	6.19	NP	--	90.38	--
RW-1	11/8/2016	96.57	2.57	NP	--	94.00	--
RW-1	12/6/2016	96.57	2.05	NP	--	94.52	--
RW-1	3/21/2017	96.57	1.24	NP	--	95.33	--
RW-1	4/27/2017	96.57	3.00	NP	--	93.57	--
RW-1	5/30/2017	96.57	4.13	NP	--	92.44	--
RW-1	6/28/2017	96.57	5.45	NP	--	91.12	--
RW-1	8/3/2017	96.57	6.74	NP	--	89.83	--
RW-1	8/31/2017	96.57	7.40	NP	--	89.17	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-1	9/26/2017	96.57	7.70	NP	--	88.87	--
RW-1	11/29/2017	96.57	2.46	NP	--	94.11	--
RW-2	11/17/2014	--	7.78	NP	--	--	--
RW-2	11/18/2014	--	8.68	NP	--	--	--
RW-2	11/19/2014	--	8.63	NP	--	--	--
RW-2	12/1/2014	96.97	3.20	NP	--	93.77	--
RW-2	12/8/2014	96.97	3.46	NP	--	93.51	--
RW-2	12/15/2014	96.97	2.80	NP	--	94.17	--
RW-2	12/22/2014	96.97	2.90	NP	--	94.07	--
RW-2	12/29/2014	96.97	2.38	NP	--	94.59	--
RW-2	1/5/2015	96.97	--	--	--	--	NG
RW-2	1/12/2015	96.97	2.12	NP	--	94.85	--
RW-2	1/13/2015	96.97	3.50	NP	--	93.47	--
RW-2	1/14/2015	96.97	3.31	NP	--	93.66	--
RW-2	1/19/2015	96.97	2.44	NP	--	94.53	--
RW-2	1/26/2015	96.97	2.27	NP	--	94.70	--
RW-2	2/2/2015	96.97	3.14	NP	--	93.83	--
RW-2	2/9/2015	96.97	2.13	NP	--	94.84	--
RW-2	2/16/2015	96.97	2.47	NP	--	94.50	--
RW-2	2/23/2015	96.97	3.10	NP	--	93.87	--
RW-2	3/2/2015	96.97	2.94	NP	--	94.03	--
RW-2	3/9/2015	96.97	3.53	NP	--	93.44	--
RW-2	3/16/2015	96.97	2.71	NP	--	94.26	--
RW-2	3/23/2015	96.97	2.54	NP	--	94.43	--
RW-2	3/30/2015	96.97	2.69	NP	--	94.28	--
RW-2	4/6/2015	96.97	3.35	NP	--	93.62	--
RW-2	4/7/2015	96.97	4.02	NP	--	92.95	--
RW-2	4/22/2015	96.97	4.63	NP	--	92.34	--
RW-2	5/4/2015	96.97	4.80	NP	--	92.17	--
RW-2	5/18/2015	96.97	5.33	NP	--	91.64	--
RW-2	6/1/2015	96.97	6.05	NP	--	90.92	--
RW-2	6/15/2015	96.97	6.51	NP	--	90.46	--
RW-2	6/19/2015	96.97	6.60	NP	--	90.37	--
RW-2	6/29/2015	96.97	6.92	NP	--	90.05	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-2	7/13/2015	96.97	--	--	--	--	Dry
RW-2	7/28/2015	96.97	--	--	--	--	Dry
RW-2	8/10/2015	96.97	--	--	--	--	Dry
RW-2	8/24/2015	96.97	--	--	--	--	Dry
RW-2	9/8/2015	96.97	--	--	--	--	WI
RW-2	9/21/2015	96.97	7.13	NP	--	89.84	--
RW-2	10/5/2015	96.97	--	--	--	--	WI
RW-2	10/12/2015	96.97	--	--	--	--	WI
RW-2	10/19/2015	96.97	--	--	--	--	NG
RW-2	11/2/2015	96.97	--	--	--	--	WI
RW-2	11/16/2015	96.97	--	--	--	--	NG
RW-2	11/30/2015	96.97	--	--	--	--	--
RW-2	1/18/2016	96.97	2.68	NP	--	94.29	--
RW-2	2/1/2016	96.97	1.90	NP	--	95.07	--
RW-2	2/15/2016	96.97	0.04	NP	--	96.93	--
RW-2	3/7/2016	96.97	2.57	NP	--	94.40	--
RW-2	3/29/2016	96.97	2.09	NP	--	94.88	--
RW-2	4/5/2016	96.97	2.09	NP	--	94.88	--
RW-2	4/19/2016	96.97	3.50	NP	--	93.47	--
RW-2	5/10/2016	96.97	4.61	NP	--	92.36	--
RW-2	5/24/2016	96.97	5.10	NP	--	91.87	--
RW-2	6/7/2016	96.97	5.45	NP	--	91.52	--
RW-2	6/21/2016	96.97	4.68	NP	--	92.29	--
RW-2	7/19/2016	96.97	6.18	NP	--	90.79	--
RW-2	8/23/2016	96.97	--	--	--	--	Dry
RW-2	9/20/2016	96.97	--	--	--	--	Dry
RW-2	11/8/2016	96.97	2.31	NP	--	94.66	--
RW-2	12/6/2016	96.97	--	--	--	--	Dry
RW-2	3/21/2017	96.97	1.55	NP	--	95.42	Dry
RW-2	4/27/2017	96.97	3.24	NP	--	93.73	Dry
RW-2	5/30/2017	96.97	4.32	NP	--	92.65	Dry
RW-2	6/28/2017	96.97	5.74	NP	--	91.23	Dry
RW-2	8/3/2017	96.97	7.06	NP	--	89.91	--
RW-2	8/31/2017	96.97	--	--	--	--	Dry
RW-2	9/26/2017	96.97	--	--	--	--	Dry

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-2	11/29/2017	96.97	2.88	NP	--	94.09	--
RW-3	11/17/2014	--	8.73	8.70	0.03	--	--
RW-3	11/18/2014	--	9.70	NP	--	--	--
RW-3	11/19/2014	--	9.72	9.70	0.02	--	--
RW-3	12/1/2014	97.07	4.32	NP	--	92.75	--
RW-3	12/8/2014	97.07	4.52	NP	--	92.55	--
RW-3	12/15/2014	97.07	3.90	NP	--	93.17	--
RW-3	12/22/2014	97.07	3.95	NP	--	93.12	--
RW-3	12/29/2014	97.07	3.37	NP	--	93.70	--
RW-3	1/5/2015	97.07	--	--	--	--	NG
RW-3	1/12/2015	97.07	3.30	NP	--	93.77	--
RW-3	1/13/2015	97.07	3.80	NP	--	93.27	--
RW-3	1/14/2015	97.07	3.87	NP	--	93.20	--
RW-3	1/19/2015	97.07	2.76	NP	--	94.31	--
RW-3	1/26/2015	97.07	3.14	NP	--	93.93	--
RW-3	2/2/2015	97.07	3.96	NP	--	93.11	--
RW-3	2/9/2015	97.07	2.81	NP	--	94.26	--
RW-3	2/16/2015	97.07	3.28	NP	--	93.79	--
RW-3	2/23/2015	97.07	3.89	NP	--	93.18	--
RW-3	3/2/2015	97.07	3.79	NP	--	93.28	--
RW-3	3/9/2015	97.07	4.26	NP	--	92.81	--
RW-3	3/16/2015	97.07	3.40	NP	--	93.67	--
RW-3	3/23/2015	97.07	3.50	NP	--	93.57	--
RW-3	3/30/2015	97.07	3.61	3.60	0.01	93.47	--
RW-3	4/6/2015	97.07	4.12	NP	--	92.95	--
RW-3	4/7/2015	97.07	4.17	NP	--	92.90	--
RW-3	4/22/2015	97.07	4.80	NP	--	92.27	--
RW-3	5/4/2015	97.07	5.58	NP	--	91.49	--
RW-3	5/18/2015	97.07	6.13	NP	--	90.94	--
RW-3	6/1/2015	97.07	6.69	NP	--	90.38	--
RW-3	6/15/2015	97.07	7.00	NP	--	90.07	--
RW-3	6/19/2015	97.07	6.45	NP	--	90.62	--
RW-3	6/29/2015	97.07	7.33	NP	--	89.74	--
RW-3	7/13/2015	97.07	7.72	NP	--	89.35	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-3	7/28/2015	97.07	8.06	NP	--	89.01	--
RW-3	8/10/2015	97.07	8.33	NP	--	88.74	--
RW-3	8/24/2015	97.07	8.55	NP	--	88.52	--
RW-3	9/8/2015	97.07	--	--	--	--	WI
RW-3	9/21/2015	97.07	--	--	--	--	NG
RW-3	10/5/2015	97.07	--	--	--	--	WI
RW-3	10/12/2015	97.07	--	--	--	--	WI
RW-3	10/19/2015	97.07	--	--	--	--	NG
RW-3	11/2/2015	97.07	--	--	--	--	WI
RW-3	11/16/2015	97.07	--	--	--	--	NG
RW-3	11/30/2015	97.07	--	--	--	--	--
RW-3	1/18/2016	97.07	3.12	NP	--	93.95	--
RW-3	2/1/2016	97.07	2.25	NP	--	94.82	--
RW-3	2/15/2016	97.07	--	--	--	--	--
RW-3	3/7/2016	97.07	2.92	NP	--	94.15	--
RW-3	3/29/2016	97.07	2.48	NP	--	94.59	--
RW-3	4/5/2016	97.07	2.67	NP	--	94.40	--
RW-3	4/19/2016	97.07	3.65	NP	--	93.42	--
RW-3	5/10/2016	97.07	4.70	NP	--	92.37	--
RW-3	5/24/2016	97.07	5.17	NP	--	91.90	--
RW-3	6/7/2016	97.07	5.50	NP	--	91.57	--
RW-3	6/21/2016	97.07	5.04	NP	--	92.03	--
RW-3	7/19/2016	97.07	6.20	NP	--	90.87	--
RW-3	8/23/2016	97.07	--	--	--	--	WI
RW-3	9/20/2016	97.07	6.56	NP	--	90.51	--
RW-3	11/8/2016	97.07	3.05	NP	--	94.02	--
RW-3	12/6/2016	97.07	2.47	2.46	0.01	94.61	--
RW-3	3/21/2017	97.07	1.63	NP	--	95.44	--
RW-3	4/27/2017	97.07	3.42	NP	--	93.65	--
RW-3	5/30/2017	97.07	4.45	NP	--	92.62	--
RW-3	6/28/2017	97.07	5.79	NP	--	91.28	--
RW-3	8/3/2017	97.07	7.14	NP	--	89.93	--
RW-3	8/31/2017	97.07	7.85	NP	--	89.22	--
RW-3	9/26/2017	97.07	8.10	NP	--	88.97	--
RW-3	11/29/2017	97.07	3.49	NP	--	93.58	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-4	11/17/2014	--	8.90	8.70	0.20	--	--
RW-4	11/18/2014	--	9.00	8.94	0.06	--	--
RW-4	11/19/2014	--	9.02	8.95	0.07	--	--
RW-4	12/1/2014	97.22	6.32	5.68	0.64	91.38	--
RW-4	12/8/2014	97.22	6.80	5.70	1.10	91.24	--
RW-4	12/15/2014	97.22	6.25	5.22	1.03	91.74	--
RW-4	12/22/2014	97.22	6.59	5.29	1.30	91.60	--
RW-4	12/29/2014	97.22	6.23	4.81	1.42	92.06	--
RW-4	1/5/2015	97.22	3.81	3.77	0.04	93.44	--
RW-4	1/12/2015	97.22	5.62	4.57	1.05	92.39	--
RW-4	1/13/2015	97.22	5.20	4.94	0.26	92.22	--
RW-4	1/14/2015	97.22	5.16	5.02	0.14	92.17	--
RW-4	1/19/2015	97.22	5.24	4.69	0.55	92.39	--
RW-4	1/26/2015	97.22	5.35	4.54	0.81	92.48	--
RW-4	2/2/2015	97.22	5.93	5.20	0.73	91.84	--
RW-4	2/9/2015	97.22	5.08	4.57	0.51	92.52	--
RW-4	2/16/2015	97.22	5.51	4.67	0.84	92.34	--
RW-4	2/23/2015	97.22	5.85	5.34	0.51	91.75	--
RW-4	3/2/2015	97.22	5.70	5.43	0.27	91.72	--
RW-4	3/9/2015	97.22	6.09	5.83	0.26	91.33	--
RW-4	3/16/2015	97.22	5.73	5.55	0.18	91.63	--
RW-4	3/23/2015	97.22	5.46	NP	--	91.76	--
RW-4	3/30/2015	97.22	5.51	NP	--	91.71	--
RW-4	4/6/2015	97.22	5.91	NP	--	91.31	--
RW-4	4/7/2015	97.22	6.09	NP	--	91.13	--
RW-4	4/22/2015	97.22	6.83	6.57	0.26	90.59	--
RW-4	5/4/2015	97.22	7.33	6.93	0.40	90.19	--
RW-4	5/18/2015	97.22	7.44	7.36	0.08	89.84	--
RW-4	6/1/2015	97.22	7.70	NP	--	89.52	--
RW-4	6/15/2015	97.22	7.91	7.88	0.03	89.33	--
RW-4	6/19/2015	97.22	7.95	7.93	0.02	89.29	--
RW-4	6/29/2015	97.22	8.32	8.31	0.01	88.91	--
RW-4	7/13/2015	97.22	8.62	8.61	0.01	88.61	--
RW-4	7/28/2015	97.22	8.77	NP	--	88.45	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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
RW-4	8/10/2015	97.22	9.11	9.10	0.01	88.12	--
RW-4	8/24/2015	97.22	9.33	NP	--	87.89	--
RW-4	9/8/2015	97.22	9.84	NP	--	87.38	--
RW-4	9/21/2015	97.22	8.84	NP	--	88.38	--
RW-4	10/5/2015	97.22	--	--	--	--	WI
RW-4	10/12/2015	97.22	--	--	--	--	WI
RW-4	10/19/2015	97.22	--	--	--	--	NG
RW-4	11/2/2015	97.22	--	--	--	--	WI
RW-4	11/16/2015	97.22	--	--	--	--	NG
RW-4	11/30/2015	97.22	--	--	--	--	--
RW-4	1/18/2016	97.22	4.59	4.48	0.11	92.71	--
RW-4	2/1/2016	97.22	3.50	3.45	0.05	93.76	--
RW-4	2/15/2016	97.22	0.40	0.20	0.20	96.97	--
RW-4	3/7/2016	97.22	4.07	3.90	0.17	93.28	--
RW-4	3/29/2016	97.22	3.44	3.43	0.01	93.79	--
RW-4	4/5/2016	97.22	3.78	0.14	3.64	96.17	--
RW-4	4/19/2016	97.22	5.00	4.95	0.05	92.26	--
RW-4	5/10/2016	97.22	5.80	5.76	0.04	91.45	--
RW-4	5/24/2016	97.22	6.17	6.16	0.01	91.06	--
RW-4	6/7/2016	97.22	6.52	6.50	0.02	90.71	--
RW-4	6/21/2016	97.22	6.24	6.23	0.01	90.99	--
RW-4	7/19/2016	97.22	7.16	NP	--	90.06	--
RW-4	8/23/2016	97.22	--	--	--	--	WI
RW-4	9/20/2016	97.22	7.39	NP	--	89.83	--
RW-4	11/8/2016	97.22	4.82	NP	--	92.40	--
RW-4	12/6/2016	97.22	3.96	NP	--	93.26	--
RW-4	3/21/2017	97.22	2.80	NP	--	94.42	--
RW-4	4/27/2017	97.22	4.62	NP	--	92.60	--
RW-4	5/30/2017	97.22	5.67	NP	--	91.55	--
RW-4	6/28/2017	97.22	6.72	NP	--	90.50	--
RW-4	8/3/2017	97.22	7.96	7.95	0.01	89.27	--
RW-4	8/31/2017	97.22	8.57	8.56	0.01	88.66	--
RW-4	9/26/2017	97.22	8.68	8.67	0.01	88.55	--
RW-4	11/29/2017	97.22	5.33	NP	--	91.89	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-5	11/17/2014	--	--	--	--	--	NG
RW-5	11/18/2014	--	--	--	--	--	NG
RW-5	11/19/2014	--	--	--	--	--	NG
RW-5	11/24/2014	--	--	--	--	--	NG
RW-5	12/1/2014	--	--	--	--	--	NG
RW-5	12/8/2014	--	5.90	4.99	0.91	--	--
RW-5	12/15/2014	--	--	--	--	--	NG
RW-5	12/22/2014	--	4.50	4.42	0.08	--	--
RW-5	12/29/2014	--	--	--	--	--	NG
RW-5	1/5/2015	--	--	--	--	--	NG
RW-5	1/12/2015	--	--	--	--	--	NG
RW-5	1/19/2015	--	--	--	--	--	NG
RW-5	1/26/2015	--	--	--	--	--	NG
RW-5	2/9/2015	--	2.86	2.84	0.02	--	--
RW-5	2/16/2015	--	2.87	2.86	0.01	--	--
RW-5	2/23/2015	--	4.25	NP	--	--	--
RW-5	3/2/2015	--	3.58	NP	--	--	--
RW-5	3/9/2015	--	4.05	NP	--	--	--
RW-5	3/16/2015	--	3.46	NP	--	--	--
RW-5	3/23/2015	--	3.10	NP	--	--	--
RW-5	3/30/2015	--	3.20	NP	--	--	--
RW-5	4/6/2015	--	3.45	NP	--	--	--
RW-5	4/22/2015	--	5.39	NP	--	--	--
RW-5	5/4/2015	--	6.08	6.06	0.02	--	--
RW-5	5/18/2015	--	6.48	6.45	0.03	--	--
RW-5	6/1/2015	--	7.01	6.98	0.03	--	--
RW-5	6/15/2015	--	7.31	7.30	0.01	--	--
RW-5	6/29/2015	--	7.66	NP	--	--	--
RW-5	7/13/2015	--	8.09	8.08	0.01	--	--
RW-5	7/28/2015	--	--	--	--	--	WI
RW-5	8/10/2015	--	--	--	--	--	WI
RW-5	8/24/2015	--	--	--	--	--	NG
RW-5	9/8/2015	--	--	--	--	--	WI
RW-5	9/21/2015	--	--	--	--	--	NG
RW-5	10/5/2015	--	--	--	--	--	WI

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-5	10/12/2015	--	--	--	--	--	NG
RW-5	10/19/2015	--	--	--	--	--	NG
RW-5	11/2/2015	--	--	--	--	--	WI
RW-5	11/16/2015	--	--	--	--	--	NG
RW-5	11/30/2015	--	--	--	--	--	--
RW-6	11/17/2014	--	6.04	NP	--	--	--
RW-6	11/18/2014	--	6.38	NP	--	--	--
RW-6	11/19/2014	--	6.35	NP	--	--	--
RW-6	12/1/2014	96.02	1.97	NP	--	94.05	--
RW-6	12/8/2014	96.02	2.12	NP	--	93.90	--
RW-6	12/15/2014	96.02	--	--	--	--	NG
RW-6	12/22/2014	96.02	1.60	NP	--	94.42	--
RW-6	12/29/2014	96.02	1.28	NP	--	94.74	--
RW-6	1/5/2015	96.02	--	--	--	--	NG
RW-6	1/12/2015	96.02	1.47	NP	--	94.55	--
RW-6	1/13/2015	96.02	1.88	NP	--	94.14	--
RW-6	1/14/2015	96.02	1.86	NP	--	94.16	--
RW-6	1/19/2015	96.02	0.40	NP	--	95.62	--
RW-6	1/26/2015	96.02	1.07	NP	--	94.95	--
RW-6	2/2/2015	96.02	2.88	NP	--	93.14	--
RW-6	2/9/2015	96.02	0.80	NP	--	95.22	--
RW-6	2/16/2015	96.02	1.36	NP	--	94.66	--
RW-6	2/23/2015	96.02	1.92	NP	--	94.10	--
RW-6	3/2/2015	96.02	1.78	NP	--	94.24	--
RW-6	3/9/2015	96.02	2.48	NP	--	93.54	--
RW-6	3/16/2015	96.02	1.16	NP	--	94.86	--
RW-6	3/23/2015	96.02	1.35	NP	--	94.67	--
RW-6	3/30/2015	96.02	1.61	1.60	0.01	94.42	--
RW-6	4/6/2015	96.02	2.46	NP	--	93.56	--
RW-6	4/22/2015	96.02	3.72	NP	--	92.30	--
RW-6	5/4/2015	96.02	3.91	NP	--	92.11	--
RW-6	5/18/2015	96.02	4.42	NP	--	91.60	--
RW-6	6/1/2015	96.02	5.12	NP	--	90.90	--
RW-6	6/15/2015	96.02	5.54	NP	--	90.48	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-6	6/19/2015	96.02	5.70	NP	--	90.32	--
RW-6	6/29/2015	96.02	5.96	NP	--	90.06	--
RW-6	7/13/2015	96.02	6.34	NP	--	89.68	--
RW-6	7/28/2015	96.02	6.68	NP	--	89.34	--
RW-6	8/10/2015	96.02	6.96	NP	--	89.06	--
RW-6	8/24/2015	96.02	7.24	NP	--	88.78	--
RW-6	9/8/2015	96.02	6.38	NP	--	89.64	--
RW-6	9/21/2015	96.02	6.37	NP	--	89.65	--
RW-6	10/5/2015	96.02	6.66	NP	--	89.36	--
RW-6	10/12/2015	96.02	6.85	NP	--	89.17	--
RW-6	10/19/2015	96.02	6.69	NP	--	89.33	--
RW-6	11/2/2015	96.02	6.37	NP	--	89.65	--
RW-6	11/16/2015	96.02	3.95	NP	--	92.07	--
RW-6	11/30/2015	96.02	4.61	NP	--	91.41	--
RW-6	1/18/2016	96.02	1.76	NP	--	94.26	--
RW-6	2/1/2016	96.02	1.09	NP	--	94.93	--
RW-6	2/15/2016	96.02	--	--	--	--	NG
RW-6	3/7/2016	96.02	1.73	NP	--	94.29	--
RW-6	3/29/2016	96.02	1.33	NP	--	94.69	--
RW-6	4/5/2016	96.02	--	--	--	--	NG
RW-6	4/19/2016	96.02	2.60	NP	--	93.42	--
RW-6	5/10/2016	96.02	3.84	NP	--	92.18	--
RW-6	5/24/2016	96.02	4.25	NP	--	91.77	--
RW-6	6/7/2016	96.02	4.67	NP	--	91.35	--
RW-6	6/21/2016	96.02	4.10	NP	--	91.92	--
RW-6	7/19/2016	96.02	5.38	NP	--	90.64	--
RW-6	8/23/2016	96.02	6.33	NP	--	89.69	--
RW-6	9/20/2016	96.02	5.62	NP	--	90.40	--
RW-6	11/8/2016	96.02	1.80	NP	--	94.22	--
RW-6	12/6/2016	96.02	1.37	NP	--	94.65	--
RW-6	3/21/2017	96.02	--	--	--	--	NG
RW-6	4/27/2017	96.02	--	--	--	--	WI
RW-6	5/30/2017	96.02	--	--	--	--	WI
RW-6	6/28/2017	96.02	4.95	NP	--	91.07	--
RW-6	8/3/2017	96.02	6.16	NP	--	89.86	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-6	9/26/2017	96.02	7.20	NP	--	88.82	--
RW-6	11/29/2017	96.02	1.81	NP	--	94.21	--
RW-7	1/5/2015	--	--	--	--	--	NG
RW-7	1/12/2015	--	--	--	--	--	NG
RW-7	1/13/2015	96.74	2.71	NP	--	94.03	--
RW-7	1/14/2015	96.74	2.78	NP	--	93.96	--
RW-7	1/19/2015	96.74	2.07	NP	--	94.67	--
RW-7	1/26/2015	96.74	2.00	1.96	0.04	94.77	--
RW-7	2/2/2015	96.74	2.74	2.73	0.01	94.01	--
RW-7	2/9/2015	96.74	1.84	NP	--	94.90	--
RW-7	2/16/2015	96.74	2.31	2.24	0.07	94.48	--
RW-7	2/23/2015	96.74	2.90	2.81	0.09	93.91	--
RW-7	3/2/2015	96.74	2.72	2.70	0.02	94.04	--
RW-7	3/9/2015	96.74	3.32	NP	--	93.42	--
RW-7	3/16/2015	96.74	2.56	NP	--	94.18	--
RW-7	3/23/2015	96.74	2.30	NP	--	94.44	--
RW-7	3/30/2015	96.74	2.48	NP	--	94.26	--
RW-7	4/6/2015	96.74	4.26	NP	--	92.48	--
RW-7	4/7/2015	96.74	3.52	NP	--	93.22	--
RW-7	4/22/2015	96.74	4.36	NP	--	92.38	--
RW-7	5/4/2015	96.74	4.55	NP	--	92.19	--
RW-7	5/18/2015	96.74	5.05	NP	--	91.69	--
RW-7	6/1/2015	96.74	5.76	NP	--	90.98	--
RW-7	6/15/2015	96.74	6.17	NP	--	90.57	--
RW-7	6/19/2015	96.74	6.32	NP	--	90.42	--
RW-7	6/29/2015	96.74	6.60	NP	--	90.14	--
RW-7	7/13/2015	96.74	6.96	NP	--	89.78	--
RW-7	7/28/2015	96.74	7.29	NP	--	89.45	--
RW-7	8/10/2015	96.74	7.66	NP	--	89.08	--
RW-7	8/24/2015	96.74	7.85	NP	--	88.89	--
RW-7	9/8/2015	96.74	7.27	NP	--	89.47	--
RW-7	9/21/2015	96.74	7.16	NP	--	89.58	--
RW-7	10/5/2015	96.74	7.37	NP	--	89.37	--
RW-7	10/12/2015	96.74	7.49	NP	--	89.25	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
RW-7	10/19/2015	96.74	7.84	NP	--	88.90	--
RW-7	11/2/2015	96.74	--	--	--	--	WI
RW-7	11/16/2015	96.74	--	--	--	--	NG
RW-7	11/30/2015	96.74	--	--	--	--	--
RW-7	1/18/2016	96.74	2.73	2.72	0.01	94.02	--
RW-7	2/1/2016	96.74	1.95	1.94	0.01	94.80	--
RW-7	2/15/2016	96.74	--	--	--	--	NG
RW-7	3/7/2016	96.74	2.66	2.60	0.06	94.12	--
RW-7	3/29/2016	96.74	2.21	2.17	0.04	94.56	--
RW-7	4/5/2016	96.74	2.40	0.02	2.38	96.12	--
RW-7	4/19/2016	96.74	3.39	NP	--	93.35	--
RW-7	5/10/2016	96.74	4.48	NP	--	92.26	--
RW-7	5/24/2016	96.74	4.94	NP	--	91.80	--
RW-7	6/7/2016	96.74	5.29	NP	--	91.45	--
RW-7	6/21/2016	96.74	4.86	NP	--	91.88	--
RW-7	7/19/2016	96.74	5.99	NP	--	90.75	--
RW-7	8/23/2016	96.74	6.94	NP	--	89.80	--
RW-7	9/20/2016	96.74	6.25	NP	--	90.49	--
RW-7	11/8/2016	96.74	2.77	NP	--	93.97	--
RW-7	12/6/2016	96.74	2.21	NP	--	94.53	--
RW-7	3/21/2017	96.74	1.43	NP	--	95.31	--
RW-7	4/27/2017	96.74	3.20	NP	--	93.54	--
RW-7	5/30/2017	96.74	4.25	NP	--	92.49	--
RW-7	6/28/2017	96.74	5.58	NP	--	91.16	--
RW-7	8/3/2017	96.74	6.81	NP	--	89.93	--
RW-7	8/31/2017	96.74	7.50	NP	--	89.24	--
RW-7	9/26/2017	96.74	7.80	NP	--	88.94	--
RW-7	11/29/2017	96.74	2.88	NP	--	93.86	--
RW-8	1/5/2015	--	--	--	--	--	NG
RW-8	1/12/2015	--	--	--	--	--	NG
RW-8	1/13/2015	97.16	2.90	NP	--	94.26	--
RW-8	1/14/2015	97.16	3.02	NP	--	94.14	--
RW-8	1/19/2015	97.16	2.30	NP	--	94.86	--
RW-8	1/26/2015	97.16	2.21	NP	--	94.95	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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
RW-8	2/2/2015	97.16	3.09	NP	--	94.07	--
RW-8	2/9/2015	97.16	2.13	NP	--	95.03	--
RW-8	2/16/2015	97.16	2.51	NP	--	94.65	--
RW-8	2/23/2015	97.16	3.11	NP	--	94.05	--
RW-8	3/2/2015	97.16	3.01	NP	--	94.15	--
RW-8	3/9/2015	97.16	3.61	NP	--	93.55	--
RW-8	3/16/2015	97.16	2.67	NP	--	94.49	--
RW-8	3/23/2015	97.16	2.61	NP	--	94.55	--
RW-8	3/30/2015	97.16	2.78	NP	--	94.38	--
RW-8	4/6/2015	97.16	3.47	NP	--	93.69	--
RW-8	4/7/2015	97.16	3.81	NP	--	93.35	--
RW-8	4/22/2015	97.16	4.45	NP	--	92.71	--
RW-8	5/4/2015	97.16	4.69	NP	--	92.47	--
RW-8	5/18/2015	97.16	5.14	NP	--	92.02	--
RW-8	6/1/2015	97.16	5.75	NP	--	91.41	--
RW-8	6/15/2015	97.16	6.20	NP	--	90.96	--
RW-8	6/19/2015	97.16	6.25	NP	--	90.91	--
RW-8	6/29/2015	97.16	6.74	NP	--	90.42	--
RW-8	7/13/2015	97.16	7.09	NP	--	90.07	--
RW-8	7/28/2015	97.16	7.44	NP	--	89.72	--
RW-8	8/10/2015	97.16	6.69	NP	--	90.47	--
RW-8	8/24/2015	97.16	--	--	--	--	Dry
RW-8	9/8/2015	97.16	--	--	--	--	WI
RW-8	9/21/2015	97.16	--	--	--	--	NG
RW-8	10/5/2015	97.16	--	--	--	--	NG
RW-8	10/12/2015	97.16	--	--	--	--	NG
RW-8	10/19/2015	97.16	--	--	--	--	NG
RW-8	11/2/2015	97.16	--	--	--	--	WI
RW-8	11/16/2015	97.16	--	--	--	--	NG
RW-8	11/30/2015	97.16	--	--	--	--	--
RW-8	1/18/2016	97.16	3.04	NP	--	94.12	--
RW-8	2/1/2016	97.16	2.10	NP	--	95.06	--
RW-8	2/15/2016	97.16	--	--	--	--	NG
RW-8	3/7/2016	97.16	3.82	NP	--	93.34	--
RW-8	3/29/2016	97.16	2.34	NP	--	94.82	--

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Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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
RW-8	4/5/2016	97.16	2.43	NP	--	94.73	--
RW-8	4/19/2016	97.16	3.60	NP	--	93.56	--
RW-8	5/10/2016	97.16	4.58	NP	--	92.58	--
RW-8	5/24/2016	97.16	5.04	NP	--	92.12	--
RW-8	6/7/2016	97.16	5.38	NP	--	91.78	--
RW-8	6/21/2016	97.16	4.95	NP	--	92.21	--
RW-8	7/19/2016	97.16	6.05	NP	--	91.11	--
RW-8	8/23/2016	97.16	7.09	NP	--	90.07	--
RW-8	9/20/2016	97.16	6.35	NP	--	90.81	--
RW-8	11/8/2016	97.16	3.12	NP	--	94.04	--
RW-8	12/6/2016	97.16	2.37	NP	--	94.79	--
RW-8	3/21/2017	97.16	1.60	NP	--	95.56	--
RW-8	4/27/2017	97.16	3.35	NP	--	93.81	--
RW-8	5/30/2017	97.16	4.34	NP	--	92.82	--
RW-8	6/28/2017	97.16	5.61	NP	--	91.55	--
RW-8	8/3/2017	97.16	6.90	NP	--	90.26	--
RW-8	8/31/2017	97.16	7.55	NP	--	89.61	--
RW-8	9/26/2017	97.16	7.84	NP	--	89.32	--
RW-8	11/29/2017	97.16	3.77	NP	--	93.39	--
RW-9	1/5/2015	--	--	--	--	--	NG
RW-9	1/12/2015	--	--	--	--	--	NG
RW-9	1/13/2015	97.60	4.10	NP	--	93.50	--
RW-9	1/14/2015	97.60	4.14	NP	--	93.46	--
RW-9	1/19/2015	97.60	3.90	NP	--	93.70	--
RW-9	1/26/2015	97.60	3.79	NP	--	93.81	--
RW-9	2/2/2015	97.60	4.22	NP	--	93.38	--
RW-9	2/9/2015	97.60	3.77	NP	--	93.83	--
RW-9	2/16/2015	97.60	3.80	NP	--	93.80	--
RW-9	2/23/2015	97.60	4.23	NP	--	93.37	--
RW-9	3/2/2015	97.60	4.28	NP	--	93.32	--
RW-9	3/9/2015	97.60	5.61	NP	--	91.99	--
RW-9	3/16/2015	97.60	4.50	NP	--	93.10	--
RW-9	3/23/2015	97.60	4.28	NP	--	93.32	--
RW-9	3/30/2015	97.60	4.21	NP	--	93.39	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
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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
RW-9	4/6/2015	97.60	4.57	NP	--	93.03	--
RW-9	4/7/2015	97.60	4.68	NP	--	92.92	--
RW-9	4/22/2015	97.60	5.88	NP	--	91.72	--
RW-9	5/4/2015	97.60	5.48	NP	--	92.12	--
RW-9	5/18/2015	97.60	5.84	NP	--	91.76	--
RW-9	6/1/2015	97.60	6.31	NP	--	91.29	--
RW-9	6/15/2015	97.60	--	--	--	--	Dry
RW-9	6/19/2015	97.60	6.36	NP	--	91.24	--
RW-9	6/29/2015	97.60	--	--	--	--	Dry
RW-9	7/13/2015	97.60	6.40	NP	--	91.20	--
RW-9	7/28/2015	97.60	--	--	--	--	Dry
RW-9	8/10/2015	97.60	--	--	--	--	Dry
RW-9	8/24/2015	97.60	--	--	--	--	Dry
RW-9	9/8/2015	97.60	--	--	--	--	WI
RW-9	9/21/2015	97.60	--	--	--	--	NG
RW-9	10/5/2015	97.60	--	--	--	--	WI
RW-9	10/12/2015	97.60	--	--	--	--	NG
RW-9	10/19/2015	97.60	--	--	--	--	NG
RW-9	11/2/2015	97.60	--	--	--	--	WI
RW-9	11/16/2015	97.60	--	--	--	--	NG
RW-9	11/30/2015	97.60	--	--	--	--	--
RW-9	2/15/2016	97.60	--	--	--	--	NG
RW-9	11/29/2017	97.60	--	--	--	--	WD
SRW-1	6/23/1992	99.19	8.00	NP	--	91.19	--
SRW-1	7/2/1992	99.19	7.85	NP	--	91.34	--
SRW-1	8/17/1992	99.19	8.37	NP	--	90.82	--
SRW-1	9/30/1992	99.19	8.38	8.36	0.02	90.83	--
SRW-1	10/30/1992	99.19	8.26	NP	--	90.93	--
SRW-1	11/30/1992	99.19	6.80	NP	--	92.39	--
SRW-1	4/16/1993	99.19	6.94	NP	--	92.25	--
SRW-1	10/3/2000	99.19	8.05	NP	--	91.14	--
SRW-1	2/28/2001	99.19	6.50	6.49	0.01	92.70	--
SRW-1	5/30/2001	99.19	7.09	NP	--	92.10	--
SRW-1	8/22/2001	99.19	7.19	7.18	0.01	92.01	--

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
SRW-1	11/21/2001	99.19	6.21	NP	--	92.98	--
SRW-1	2/20/2002	99.19	--	--	--	--	NG
SRW-1	5/16/2002	99.19	--	--	--	--	NG
SRW-1	8/2/2002	99.19	7.33	7.32	0.01	91.87	--
SRW-1	12/19/2002	99.19	7.40	NP	--	91.79	--
SRW-1	5/19/2003	99.19	7.02	NP	--	92.17	--
SRW-1	11/13/2003	99.19	7.27	NP	--	91.92	--
SRW-1	6/4/2004	99.19	6.86	NP	--	92.33	--
SRW-1	10/7/2004	99.19	7.13	NP	--	92.06	--
SRW-1	4/28/2005	99.19	6.05	NP	--	93.14	--
SRW-1	11/16/2005	99.19	6.65	NP	--	92.54	--
SRW-1	6/13/2006	99.19	7.15	NP	--	92.04	--
SRW-1	2/26/2007	99.19	4.25	NP	--	94.94	--
SRW-1	5/9/2007	99.19	6.42	NP	--	92.77	--
SRW-1	7/16/2007	99.19	7.77	NP	--	91.42	--
SRW-1	8/22/2007	99.19	8.21	NP	--	90.98	--
SRW-1	9/25/2007	99.19	9.42	NP	--	89.77	--
SRW-1	10/25/2007	99.19	7.46	NP	--	91.73	--
SRW-1	11/9/2007	99.19	7.78	NP	--	91.41	--
SRW-1	12/3/2007	99.19	6.93	NP	--	92.26	--
SRW-1	1/17/2008	99.19	5.82	NP	--	93.37	--
SRW-1	4/7/2008	99.19	5.92	NP	--	93.27	--
SRW-1	7/22/2008	99.19	7.61	NP	--	91.58	--
SRW-1	10/21/2008	99.19	8.37	NP	--	90.82	--
SRW-1	8/24/2011	99.19	--	--	--	--	NG
SRW-1	11/15/2012	99.19	--	--	--	--	NG
SRW-1	3/27/2013	99.19	--	--	--	--	NG
SRW-1	12/17/2013	99.19	--	--	--	--	NG
SRW-1	6/19/2015	99.19	5.38	NP	--	93.81	--
AG WELL	12/1/2014	--	4.02	NP	--	--	--
AG WELL	11/10/2016	--	5.11	NP	--	--	--
AG WELL	3/21/2017	--	3.93	NP	--	--	--
AG WELL	4/27/2017	--	--	--	--	--	NG
AG WELL	5/30/2017	--	--	--	--	--	NG

TABLE 1
Groundwater Gauging Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

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
AG WELL	6/28/2017	--	5.52	NP	--	--	--
AG WELL	8/3/2017	--	6.30	NP	--	--	--
AG WELL	8/31/2017	--	6.60	NP	--	--	--
AG WELL	9/26/2017	--	6.60	NP	--	--	--
AG WELL	11/29/2017	--	5.17	NP	--	--	--

Notes:

-- No Information Available

* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)

ABD - Abandoned

Dry - Well Dry

ft - feet

LNAPL - Light Non-Aqueous Phase Liquid

NG - Not gauged

NP - No Product

NS - Not Sampled

TOC - Top of Casing

WD - Well destroyed

WI - Well inaccessible

Table 2
Groundwater Analytical Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
Well ID	Date							
C	6/4/2004	< 0.5	< 0.5	< 0.5	< 1	< 50	--	--
C	11/16/2005	< 0.5	< 0.5	< 0.5	< 1	< 50	95000	< 49500
C	6/13/2006	< 0.5	< 0.5	< 0.5	< 1	< 50	< 260	< 521
C	2/26/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
C	5/9/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
C	7/16/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
C	10/25/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
C	1/17/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
C	4/7/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
C	7/22/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
C	10/21/2008	< 0.5	< 0.5	< 0.5	< 1	75	< 236	< 472
C	1/20/2009	< 0.5	< 0.5	< 0.5	< 1	< 50	< 238	< 476
C	7/6/2009	< 1.0	< 1.0	< 1.0	< 2.0	< 50	220	< 240
C	3/17/2010	< 1.0	< 1.0	< 1.0	< 2.0	< 50	< 120	< 240
C	9/15/2010	< 1.0	< 1.0	1.4	< 3.0	< 50.0	< 76	< 380
C	3/4/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
C	8/24/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
C	5/10/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
C	11/15/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 100	437	399
C	3/27/2013	1.2	< 0.50	< 0.50	< 1.0	< 50	--	--
C	12/17/2013	< 1.0	< 1.0	< 1.0	< 3.0	63	140	--
C	6/24/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	360	< 240
C	11/7/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	--	--
C	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	130	< 240
C	4/7/2015	58	< 2.0	< 3.0	< 3.0	< 50	120 Y	< 250
C	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	340	< 250
C	4/19/2016	12	< 2.0	< 3.0	< 3.0	< 50	360	< 250
C	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	1800	340
C	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	210	< 250
C	3/22/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	120	< 260
C	6/27/2017	3.0	< 2.0	< 3.0	< 3.0	< 500	680	< 250
C	11/28/2017	< 2.0*	< 2.0	< 3.0	< 3.0	< 250	160	< 250

Table 2
Groundwater Analytical Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-1	7/2/1992	< 1	< 1	< 1	< 1	--	190000	--
MW-1	10/3/2000	< 0.5	< 0.5	< 0.5	< 1	427	32400	< 5500
MW-1	2/28/2001	< 0.5	4.17	0.772	3.46	459	57600	< 5500
MW-1	5/30/2001	< 0.5	< 0.5	< 0.5	< 1	77.3	59700	< 20500
MW-1	8/22/2001	< 0.5	< 0.5	< 0.5	< 1	< 500	27700	< 5500
MW-1	11/21/2001	< 0.5	< 0.5	< 0.5	< 1	< 500	24100	< 5500
MW-1	2/20/2002	< 0.5	< 0.5	< 0.5	< 1	< 500	55300	< 10000
MW-1	5/16/2002	< 0.5	< 0.5	< 0.5	< 1	58.1	30200	< 5500
MW-1	8/2/2002	< 0.5	< 0.5	< 0.5	< 1	< 500	24500	< 5500
MW-1	12/19/2002	< 0.5	< 2	< 1	< 1.5	< 100	19500	< 500
MW-1	5/19/2003	< 0.5	< 0.5	< 0.5	< 1	122	26600	< 500
MW-1	11/13/2003	< 0.5	< 0.5	< 0.5	< 1	< 50	6180	< 500
MW-1	6/4/2004	< 0.5	< 0.5	< 0.5	< 1	< 50	21300	< 500
MW-1	10/7/2004	< 0.5	< 0.5	< 0.5	< 1	< 80	47400	< 500
MW-1	4/28/2005	< 0.5	< 0.5	< 0.5	< 1	< 80	7740	< 500
MW-1	11/16/2005	< 0.5	< 0.5	< 0.5	< 1	< 50	1790	< 500
MW-1	6/13/2006	< 0.5	< 0.5	< 0.5	< 1	< 50	5640	< 515
MW-1	2/26/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	508	< 472
MW-1	5/9/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	16000	< 943
MW-1	7/16/2007	< 0.5	< 0.5	< 0.5	< 1	< 80	12900	< 472
MW-1	10/25/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	288	< 490
MW-1	1/17/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	< 238	< 476
MW-1	4/7/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	2130	< 472
MW-1	7/22/2008	< 0.5	5.12	< 0.5	15.3	249	5890	< 472
MW-1	10/21/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	1220	< 472
MW-1	1/20/2009	< 0.5	< 0.5	< 0.5	< 1	< 50	239	< 472
MW-1	7/6/2009	< 1.0	< 1.0	< 1.0	< 2.0	< 50	19000	1300
MW-1	3/17/2010	< 1.0	< 1.0	< 1.0	< 2.0	< 50	310	< 240
MW-1	9/15/2010	1.9	< 1.0	4.5	< 3.0	< 50.0	79	< 380
MW-1	3/4/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
MW-1	8/24/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	88	< 380
MW-1	5/10/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
MW-1	11/15/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 100	< 185	< 185
MW-1	3/27/2013	< 0.5	< 0.5	< 0.5	< 1.0	< 50	--	--
MW-1	12/17/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	--

Table 2
Groundwater Analytical Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-1	6/24/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	190	< 240
MW-1	11/7/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	--	--
MW-1	11/18/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	180	< 250
MW-1	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	160	< 240
MW-1	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	180 Y	< 250
MW-1	7/13/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	290 Y	< 250
MW-1	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-1	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	200	< 250
MW-1	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	430	260
MW-1	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	470	< 250
MW-1	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	350	< 250
MW-1	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	170	< 250
MW-2	10/3/2000	970	56.1	1480	2190	13100	41400	< 5500
MW-2	2/28/2001	190	13.3	396	437	4370	10900	< 5500
MW-2	5/30/2001	227	12	374	425	2980	94200	< 500
MW-2	8/22/2001	943	53.2	1670	1590	11700	23800	< 500
MW-2	11/21/2001	138	3.5	204	115	1300	34800	< 20000
MW-2	2/20/2002	25.8	1.48	107	72.2	589	88900	< 500
MW-2	5/16/2002	263	8.3	460	168	2250	78500	--
MW-2	8/2/2002	716	34.4	1170	662	5880	15000	< 5000
MW-2	12/19/2002	1150	53.6	2100	567	8930	11800	< 500
MW-2	5/19/2003	113	4.05	187	41.2	1130	27900	< 500
MW-2	11/13/2003	236	7.52	361	48.9	2570	58000	< 500
MW-2	6/4/2004	9.61	< 0.5	9.86	< 1	289	27200	< 500
MW-2	4/28/2005	3.83	< 0.5	5.11	< 1	< 80	13100	< 500
MW-2	11/16/2005	344	10.3	987	52.4	5450	4680	< 500
MW-2	6/13/2006	16.8	< 0.5	14.3	< 1	133	2260	< 556
MW-2	2/26/2007	2.94	< 0.5	3.59	< 1	< 50	4730	< 472
MW-2	5/9/2007	32.4	< 0.5	33.4	1.19	243	2490	< 472
MW-2	7/16/2007	373	7.68	610	26.8	2370	9600	< 472
MW-2	10/25/2007	49.8	< 0.5	50.9	3.3	406	3490	< 476
MW-2	1/17/2008	21.6	< 0.5	56.2	3.4	398	971	< 472
MW-2	4/7/2008	168	2.39	249	12.6	1770	8440	< 472
MW-2	7/22/2008	0.65	< 0.5	< 0.5	< 1	< 50	525	< 472

Table 2
Groundwater Analytical Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-2	10/21/2008	523	6.78	964	29.3	6410	3530	< 472
MW-2	1/20/2009	56.4	0.568	29.7	1.41	405	3390	< 472
MW-2	7/6/2009	430	5.2	550	28.0	2900	35000	1000
MW-2	3/17/2010	32	< 1.0	5.2	< 2.0	120	780	< 240
MW-2	9/15/2010	512	4.8	665	20.7	814	790	< 380
MW-2	9/18/2010	512	4.8	665	20.7	814	790	< 380
MW-2	3/4/2011	1.4	< 1.0	< 1.0	< 3.0	< 50.0	210	< 380
MW-2	8/24/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	310	< 380
MW-2	5/10/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	84	< 380
MW-2	11/15/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 100	< 185	199
MW-2	3/27/2013	< 0.5	< 0.5	< 0.5	< 1.0	< 50	--	--
MW-2	12/17/2013	1.6	< 1.0	< 1.0	< 3.0	< 50	320	--
MW-2	6/24/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	790	< 240
MW-2	11/7/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	--	--
MW-2	11/18/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	340	< 250
MW-2	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	450	< 240
MW-2	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	350 Y	< 240
MW-2	7/13/2015	120 H	2.1	62 H	5.1	580	850 Y	< 250
MW-2	10/19/2015	130	3.2	69	8.2	950	330	< 250
MW-2	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	1300	630
MW-2	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	900	460
MW-2	7/20/2016	210	< 2.0	20	3.2	880	1300	< 250
MW-2	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	1500	900
MW-2	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	450	270
MW-2	6/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500F1	1800	1100
MW-2	11/28/2017	< 2.0*	< 2.0	< 3.0	< 3.0	< 250	1500	860
MW-9	2/26/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
MW-9	5/9/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 245	< 490
MW-9	3/27/2013	< 0.5	< 0.5	< 0.5	< 1.0	< 50	--	--
MW-9	6/24/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-9	11/19/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 130	< 250
MW-9	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-9	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-9	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250

Table 2
Groundwater Analytical Data
Allen Pump Station
16292 Ovenell Road
Mt. Vernon, WA 98421

CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-9	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-9	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-12	11/21/2001	25.6	1.16	79.5	6.77	1150	1790	< 500
MW-12	5/16/2002	26.4	22.4	14.1	1.4	199	546	< 500
MW-12	12/19/2002	40.9	3.3	97.6	9.6	934	< 250	< 500
MW-12	5/19/2003	46	0.534	8.75	< 1	165	1100	< 500
MW-12	11/13/2003	20	1.38	96.6	7.54	1520	346	< 500
MW-12	6/4/2004	8.82	< 0.5	6.21	< 1	169	< 250	< 500
MW-12	10/7/2004	16.4	0.54	22.8	< 1	306	544	< 500
MW-12	4/28/2005	2.24	< 0.5	7.26	< 1	< 80	< 250	< 500
MW-12	11/16/2005	13.1	1.12	91.8	4.74	691	< 253	< 505
MW-12	6/13/2006	9.73	0.851	42.2	2.02	216	< 263	< 526
MW-12	2/26/2007	0.514	< 0.5	5.57	< 1	77.2	< 243	< 485
MW-12	5/9/2007	4.75	< 0.5	8.16	< 1	117	< 236	< 472
MW-12	7/16/2007	3.66	< 0.5	1.96	< 1	173	< 236	< 472
MW-12	10/25/2007	2.4	< 0.5	8.68	< 1	241	< 236	< 472
MW-12	1/17/2008	0.723	< 0.5	4.28	< 1	53.5	< 236	< 472
MW-12	4/7/2008	1.35	< 0.5	9.46	< 1	86.4	< 236	< 472
MW-12	7/22/2008	11.6	2.09	37.1	17.3	1010	< 240	< 481
MW-12	10/21/2008	0.893	1.25	< 0.5	< 1	225	--	--
MW-12	1/20/2009	< 0.5	< 0.5	1.24	< 1	< 50	< 236	< 472
MW-12	7/6/2009	< 1.0	22	< 1.0	< 2.0	600	1200	500
MW-12	3/17/2010	1.1	< 1.0	5.9	< 2.0	82	210	< 240
MW-12	9/15/2010	1.5	< 1.0	1.9	< 3.0	244	180	< 380
MW-12	3/4/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
MW-12	8/24/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 76	< 380
MW-12	5/10/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
MW-12	11/15/2012	< 1	< 1	< 1	< 3	< 100	< 189	< 189
MW-12	3/27/2013	< 0.5	< 0.5	< 0.5	< 1.0	< 50	--	--
MW-12	12/17/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	--
MW-12	6/24/2014	2.2	2.3	33	< 3.0	350	470	< 240
MW-12	11/7/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	--	--
MW-12	11/18/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 130	< 250
MW-12	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240

Table 2
Groundwater Analytical Data
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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-12	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	120 Y	< 240
MW-12	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	280	< 250
MW-12	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	330	< 250
MW-12	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	440	< 250
MW-12	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	120	< 250
MW-12	3/22/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-14	7/2/1992	330	39	690	810	--	--	--
MW-14	11/21/2001	175	11.8	294	32.8	8960	1900000	< 238000
MW-14	8/2/2002	226	12.3	331	30.7	4540	355000	< 50000
MW-14	6/4/2004	142	--	514	106	42300	583000	1320
MW-14	11/16/2005	40.5	3.61	108	13.9	3980	22200	< 5000
MW-14	6/13/2006	84.2	7.75	356	25.4	6730	96600	< 5210
MW-14	2/26/2007	12.9	1.01	53.6	16.1	2870	39800	< 2430
MW-14	5/9/2007	74.3	5.54	298	19.9	3930	89900	< 4720
MW-14	7/16/2007	87.4	8.74	389	29.2	3230	61600	< 9430
MW-14	10/25/2007	19.7	< 0.5	107	11.8	3280	5550	< 490
MW-14	1/17/2008	11.3	1.15	46.3	5.78	1880	14200	< 476
MW-14	4/7/2008	9.4	1.38	57	6.13	1590	8260	< 472
MW-14	7/22/2008	47.4	5.56	261	17.8	2120	4900	< 2360
MW-14	10/21/2008	37.8	6.1	345	23.4	3910	317000	< 472
MW-14	1/20/2009	4.16	0.609	12.8	2.56	944	4640	< 485
MW-14	7/6/2009	32	3.4	87	8.9	1100	140000	< 2400
MW-14	3/17/2010	< 1.0	< 1.0	< 1.0	< 2.0	72	190	< 240
MW-14	9/15/2010	9.4	1.3	19.2	< 3.0	470	3100	< 380
MW-14	9/16/2010	9.4	1.3	19.2	< 3.0	470	3100	< 380
MW-14	3/4/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	170	< 380
MW-14	8/24/2011	22.1	2.3	75.9	6.6	910	1500	< 380
MW-14	12/17/2013	1	< 1.0	1.5	< 3.0	190	2600	--
MW-14	6/24/2014	4.1	< 1.0	8.1	< 3.0	600	420	< 240
MW-14	11/7/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	--	--
MW-14	11/18/2014	1.4	< 1.0	1.6	< 3.0	110	340	< 250
MW-14	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	470	< 240
MW-14	4/7/2015	2.5	< 2.0	6.0	< 3.0	370	420 Y	< 240
MW-14	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	420	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-14	4/20/2016	3.2	< 2.0	4.5	10	190	650	< 250
MW-14	7/20/2016	4.7	< 2.0	4.5	< 3.0	350	900	< 250
MW-14	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	400	280
MW-14	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	130	< 250
MW-14	6/27/2017	5.5	< 2.0	3.2	< 3.0	< 500	1200	290
MW-14	11/28/2017	< 2.0*	< 2.0	< 3.0	< 3.0	< 250	230	< 250
MW-17A	4/28/2005	12.5	4.33	122	4.65	2100	7926	< 500
MW-17A	11/16/2005	39	1.77	77.5	2.82	2570	< 245	< 490
MW-17A	6/13/2006	20.3	3.55	104	6.56	2570	< 250	< 500
MW-17A	2/26/2007	17	2.78	97.8	5.3	3110	255	< 485
MW-17A	5/9/2007	18.8	3.69	87.6	6.42	3590	330	< 472
MW-17A	7/16/2007	20.2	3.36	50.8	4.86	1250	240	< 472
MW-17A	10/25/2007	23.6	1.71	47.3	2.17	2550	< 236	< 472
MW-17A	1/17/2008	20.2	2.65	81.7	5.95	2890	< 236	< 472
MW-17A	4/7/2008	21.1	3.22	94.6	6.51	3740	530	< 472
MW-17A	7/22/2008	23	6.23	9.03	< 5	4760	< 0.243	< 485
MW-17A	10/21/2008	24.2	2.53	21.6	4.34	3480	658	< 472
MW-17A	1/20/2009	15.1	2.9	71.7	6.72	4720	786	< 472
MW-17A	7/6/2009	21	2.6	48	6.4	3800	4000	1300
MW-17A	3/1/2010	7.6	2.4	31.3	5.9	3020	650	< 380
MW-17A	3/17/2010	8.6	1.3	29	3.2	1600	900	< 240
MW-17A	9/15/2010	13.0	1.9	13.8	3.8	1070	440	< 380
MW-17A	9/17/2010	13.0	1.9	13.8	3.8	1070	440	< 380
MW-17A	3/4/2011	7.6	2.4	31.3	5.9	3020	650	< 380
MW-17A	8/24/2011	9.1	3.2	15.8	5.2	3340	460	< 380
MW-17A	5/10/2012	34.9	2.4	26.2	4.9	3220	710	< 380
MW-17A	11/15/2012	64.4	2.7	11.3	4.2	2710	628	< 182
MW-17A	3/27/2013	200	2.9	15	3.5	2600	--	--
MW-17A	12/17/2013	130	1.8	8.5	< 3.0	2100	610	--
MW-17A	6/24/2014	390	3.8	15	3.9	3800	1200	< 240
MW-17A	11/6/2014	180	2.4	3.4	< 3.0	820	230	< 250
MW-17A	11/17/2014	350	5.9	12	24	1700	1300	380
MW-17A	1/14/2015	380	< 10	23	< 30	3100	1100	< 250
MW-17A	4/7/2015	250	4.7	12	3.4	3400	670 Y	< 240

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-17A	1/18/2016	2.6	< 2.0	< 3.0	< 3.0	1100	1200	< 250
MW-17A	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	340	660	280
MW-17A	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	340	< 250
MW-17A	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	380	< 250
MW-18	12/17/2013	8.4	5.1	1300	3500	30000	4800	--
MW-18	6/24/2014	14	3.4	52	2600	36000	2200	< 240
MW-18	11/6/2014	110	200	1100	2500	19000	3800	880
MW-18	1/13/2015	93	920	580	2400	20000	2400	< 240
MW-18	4/6/2015	1000	6500	2100	8900	18000	1800 Y	< 240
MW-18	10/19/2015	470	800	790	2000	21000	16000	790
MW-18	1/19/2016	130	240	910	2900	26000	5400	300
MW-18	4/20/2016	1000	400	1400	3000	27000	4800	< 250
MW-18	7/19/2016	420	< 200	1300	2600	26000	3100	< 250
MW-18	11/8/2016	120	40	690	1200	16000	4000	< 250
MW-18	3/21/2017	130	< 50	1300	1800	24000	5300	< 250
MW-18	6/28/2017	550	42	1400	1700	22000	7100	300
MW-18	9/26/2017	670	27	1100	960	24000	4000	< 250
MW-19	12/17/2013	610	10	1700	34	14000	3600	--
MW-19	6/24/2014	440	7.8	4.5	71	1300	1500	< 240
MW-19	11/6/2014	690	11	1500	150	9600	2100	< 250
MW-19	11/17/2014	530	12	1500	130	9700	2900	< 250
MW-19	1/15/2015	570	< 50	1100	< 150	11000	3000	< 270
MW-19	4/6/2015	580	9.3	1600	74	11000	2700 Y	< 250
MW-19	7/13/2015	500 H	< 100H	1100 H	< 150H	11000	3300 Y	< 250
MW-19	10/20/2015	670	< 20	1300	45	9200	1800	< 250
MW-19	1/19/2016	480 F1	< 20	840	76	9600	4500 F2F1	560 F1
MW-19	7/19/2016	680	9.3	1200	78	9700	3300	< 250
MW-19	11/9/2016	810	8.5	1500	55	9600	3300	270
MW-19	3/22/2017	440 H	8.0	1300 H	71	91000	4400	410
MW-19	6/27/2017	540	7.7	1300	49	9300	5400	630
MW-19	9/27/2017	520	< 20	750	36	12000	3500	< 260
MW-19	11/28/2017	620	< 200	970	< 300	9900	3000	< 260

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-20	12/17/2013	590	6.6	7.4	8.5	1600	530	--
MW-20	6/24/2014	< 1.0	< 1.0	< 1.0	< 3.0	170	< 120	< 240
MW-20	11/6/2014	190	1.9	5.9	3.2	460	240	< 250
MW-20	11/17/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 130	< 250
MW-20	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	200	< 120	< 240
MW-20	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-20	7/13/2015	360 H	6.2	42	17	1700	650 Y	< 250
MW-20	10/19/2015	330	3.6	5.2	4.7	910	290	< 250
MW-20	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-20	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-20	7/20/2016	34	< 20	< 30	< 30	190	270	< 250
MW-20	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-20	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-20	6/27/2017	20	< 2.0	< 3.0	< 3.0	< 500	530	< 250
MW-20	9/26/2017	64	< 2.0	< 3.0	< 3.0	860	600	370
MW-20	11/28/2017	2.5	< 2.0	< 3.0	< 3.0	< 250	< 100	< 250
MW-21	12/17/2013	62	3.5	550	130	12000	3600	--
MW-21	6/24/2014	30	2.3	470	140	12000	2200	< 240
MW-21	11/6/2014	300	10	490	180	7300	2500	340
MW-21	11/17/2014	200	< 10	800	250	9300	2600	< 250
MW-21	1/15/2015	76	< 50	790	230	12000	4600	< 240
MW-21	4/7/2015	50	3.1	700	130	13000	2600 Y	< 250
MW-21	7/14/2015	41 F1	3.3 F1	340 H	72 H	12000	2500 F1Y	< 250F1
MW-21	10/19/2015	99	2.7	360	98	9600	2000	< 250
MW-21	1/18/2016	56	3.6	740	330	14000	5300	350
MW-21	4/19/2016	47	2.9	1000	210	13000	4100	< 250
MW-21	7/20/2016	40	2.7	390	46	9500	4700	280
MW-21	11/8/2016	44	< 20	680	160	10000	5700	260
MW-21	3/21/2017	49	< 20	750	270	12000	5200	310
MW-21	6/27/2017	15	2.9	530	94	9700	6000	740
MW-21	9/26/2017	35	< 10	210	50	12000	9200	1200
MW-21	11/28/2017	< 200	< 200	500	< 300	9600	4100	250

Table 2
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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-22	12/17/2013	< 1.0	< 1.0	41	31	5600	3600	--
MW-22	6/24/2014	< 1.0	< 1.0	34	28	6100	2800	--
MW-22	11/7/2014	< 1.0	< 1.0	8.2	8.2	2800	--	--
MW-22	11/18/2014	< 1.0	< 1.0	17	21	2800	1900	< 250
MW-22	1/12/2015	< 1.0	< 1.0	16	22	3800	2600	280
MW-22	4/7/2015	< 2.0	< 2.0	19	21	5500	2100 Y	< 240
MW-22	7/13/2015	< 2.0	< 2.0	20	24	4400	2500 Y	< 250
MW-22	10/20/2015	< 2.0	< 2.0	8.2	20	3400	1700 F1	< 250F1
MW-22	1/19/2016	< 2.0	< 2.0	3.3	4.7	1600	2800	620
MW-22	4/20/2016	< 2.0	< 2.0	4.7	8.2	1700	1600	380
MW-22	7/20/2016	< 200	< 200	< 300	< 300	2800	2100	< 250
MW-22	11/9/2016	< 2.0	< 2.0	< 3.0	5.8	1300	2600	620
MW-22	3/22/2017	< 2.0	< 2.0	< 3.0H	7.3	1000 H	1500	360
MW-22	6/28/2017	< 2.0	< 2.0	4.1	19	2300	2800	580
MW-22	9/27/2017	< 2.0	< 2.0	6.1	6.8	2400	4500	1100
MW-23	12/17/2013	< 1.0	< 1.0	< 1.0	< 3.0	1500	2200	--
MW-23	6/24/2014	< 1.0	< 1.0	< 1.0	< 3.0	1400	1800	< 240
MW-23	11/18/2014	1.9	< 1.0	< 1.0	< 3.0	920	1800	< 250
MW-23	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	960	2100	< 250
MW-23	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	1500	2000 Y	< 250
MW-23	7/13/2015	< 2.0	< 2.0	< 3.0	< 3.0	1100	1700 Y	< 250
MW-23	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	1300	860	< 250
MW-23	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	1600	5700	820
MW-23	4/20/2016	< 2.0	< 2.0	4.4	22	1500	4000	610
MW-23	7/20/2016	< 2.0F1	< 2.0	< 3.0	5.0	1400	2800 F1F2	330 F1F2
MW-23	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	1200	4100	570
MW-23	3/22/2017	< 2.0	< 2.0	< 3.0	< 3.0	1300 H	3700	630
MW-23	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	1200	4300	670
MW-23	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	750	3600	560
MW-24	11/18/2014	4.9	4.3	34	19	1100	310	< 250
MW-24	1/14/2015	4.7	1.4	100	12	2100	1100	< 250
MW-24	4/6/2015	5.3	< 2.0	89	14	2700	770 Y	< 240
MW-24	7/14/2015	< 40	< 40	270	< 60	4200 F1	820 Y	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-24	10/19/2015	11	< 2.0	180	5.1	3100	680	< 250
MW-24	1/18/2016	11	13	73	99	3300	1800	< 250
MW-24	7/19/2016	17	2.1	53	58	2300	770	< 250
MW-24	11/9/2016	42	< 2.0	62	10	2300	1600	< 250
MW-24	3/22/2017	19	< 2.0	57	21	2600 H	1400	< 260
MW-25	11/19/2014	410	13	2000	100	13000	1300	< 250
MW-25	1/13/2015	350	< 25	1300	< 75	10000	2600	< 240
MW-25	4/6/2015	170	4.1	790	11	9000	1800 Y	< 250
MW-25	7/14/2015	130	5.1	360	10	6300	1800 Y	< 250
MW-25	10/19/2015	170	6.9	460	37	6300	1300	< 250
MW-25	1/18/2016	230	6.0	700	17	11000	3300	< 250
MW-25	4/19/2016	220	8.5	1100	34	9600	3300	< 250
MW-25	7/19/2016	210	8.8	660	32	8300	2500	< 250
MW-25	11/8/2016	97	5.1	99	11	5600	2500	< 250
MW-25	3/21/2017	350	< 20	1200 H	< 30	9300 H	4100	< 260
MW-25	6/27/2017	340	9.1	700	25	8200	2700	< 260
MW-25	9/26/2017	270	< 10	150	< 15	5900	2500	< 250
MW-27	11/18/2014	< 1.0	< 1.0	18	81	4800	1300	360
MW-27	1/13/2015	5.3	< 5.0	120	40	7400	2200	< 240
MW-27	4/6/2015	3.3	< 2.0	73 F1	14	8500	2000 YF1	< 240
MW-27	7/13/2015	5.8	3.0	270 H	76 H	11000	3300 Y	< 270
MW-27	10/19/2015	3.9	< 2.0	160	49	10000	2200	< 250
MW-27	1/18/2016	< 2.0	< 2.0	49	3.9	7600	3300	< 250
MW-27	7/19/2016	5.7	2.6	120	45	6500	2100	< 250
MW-27	3/22/2017	2.5 H	< 2.0H	52 H	9.2 H	4400 H	1900 F1	< 250F1F2
MW-27	6/28/2017	3.0	< 2.0	130	23	5800	2400	< 250
MW-27	9/28/2017	6.2	< 2.0	310	8.8	9900	2600 F2F1	< 250F2
MW-28	11/18/2014	48	< 10	530	190	9500	1800	300
MW-28	1/13/2015	220	440	400	320	9900	2300	< 240
MW-28	4/6/2015	140	240	300	180	9900	2300 Y	< 250
MW-28	7/14/2015	40 F1	22 F1	730 F2F1	73	9100	2000 Y	< 250
MW-28	10/20/2015	130	34	610	53	8600	2200 H	< 250H

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-28	7/19/2016	860	56	340	110	6800	2300	< 250
MW-28	11/9/2016	2700	54	510	300	7700	4100	< 250
MW-29	11/18/2014	1300	15	1000	580	8000	950	< 250
MW-29	1/14/2015	1100	110	1300	2000	18000	2800	< 240
MW-29	4/6/2015	350	62	1700	5000	35000	3700 Y	< 240
MW-29	7/13/2015	820 H	< 200H	1400 H	2200 H	20000	2700 Y	< 250
MW-29	10/20/2015	1100	100	900	320	7000	1400 H	< 250H
MW-29	1/18/2016	780	64	1200	2100	16000	15000	13000
MW-29	4/20/2016	340 H	48	1300 H	580	27000	3200 F1	< 250
MW-29	7/19/2016	200	28	510	2300	14000	2300	< 250
MW-29	11/9/2016	5.8	< 2.0	3.0	18	160	310	< 250
MW-29	3/22/2017	35	3.7	83 H	180	1700 H	370	< 250
MW-29	6/28/2017	86	10 F1	120 E	320	3500 F2F1	1400	780 F1
MW-29	9/28/2017	580	40	110	620	9800	1800	< 260
MW-31	1/12/2015	3300	690	3300	17000	69000	4100	< 240
MW-31	4/6/2015	2500	590	2800	18000	60000	3100 Y	< 240
MW-31	7/13/2015	1500 H	530 H	2500 H	13000 H	72000 H	2400 Y	< 250
MW-31	10/20/2015	2200	630	2800	15000	57000	2100	< 250
MW-31	1/19/2016	2100	580	2200	11000	58000	4500	390
MW-31	4/20/2016	2400 H	< 1000H	3000 H	15000 H	60000	5300	290
MW-31	7/19/2016	2300	570	3000	16000	56000	2600	320
MW-31	11/9/2016	2000	470	2100	9200	46000	3500	390
MW-31	3/22/2017	1900 H	450 H	2900 H	12000 H	59000 H	4100	< 250
MW-31	6/28/2017	1800	420	2700	12000	56000 H	3200	< 260
MW-31	9/28/2017	2900	530	2600	11000	66000	3300	< 250
MW-32	11/18/2014	29	< 10	1600	150	13000	1300	< 250
MW-32	1/13/2015	5.5	2.9	860	39	11000	2200	< 240
MW-32	4/6/2015	4.9	4.9	1300	46	15000 B	2800 Y	< 240
MW-32	7/14/2015	< 20	< 20F1	970 H	< 30	9800	990 Y	< 250
MW-32	4/20/2016	21	11	1200 H	29	14000	5000	< 250
MW-32	7/19/2016	25	5.6	1100	36	14000	3300	< 250
MW-32	11/8/2016	45	< 20	1400	< 30	11000	3200	< 250

Table 2
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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-32	3/22/2017	28 H	< 20H	520 H	< 30H	9700 H	3600	< 250
MW-32	6/27/2017	41	6.0	1000	21	12000	4200	< 250
MW-32	9/28/2017	32	< 10	880	< 15	11000	2200	< 250
MW-35	1/14/2015	15000	8700	2900	12000	74000	3100	< 250
MW-35	4/6/2015	12000	11000	2700	17000	80000	3400 Y	< 240
MW-35	7/13/2015	8000 HE	2600 H	2200 H	11000 H	60000 H	4100 Y	< 250
MW-35	10/20/2015	10000	2100	2800	9600	46000	2900	< 250
MW-35	1/19/2016	9400	4600	2200	11000	55000	4600	280
MW-35	4/19/2016	11000	6800	2700	13000	71000	5100	250
MW-35	7/19/2016	12000	18000	2800	13000	82000	4900	< 250
MW-35	11/9/2016	10000	5700	2500	11000	59000	5300	280
MW-35	3/22/2017	11000 H	10000 H	2800 H	8900 H	91000 H	6100	< 250
MW-35	6/28/2017	9600 E	10000 E	2600	13000	84000 H	6700	< 250
MW-35	9/28/2017	11000	1000	2100	7600	69000	3700	< 250
MW-35	11/28/2017	8800	580	1900	8000	48000	4100	< 250
MW-36	1/12/2015	7300	570	2700	13000	59000	2400	< 240
MW-36	4/6/2015	5500	440	2400	9900	52000	3100 Y	< 250
MW-36	7/13/2015	5900 H	380 H	2100 H	10000 H	47000 H	3700 Y	< 250
MW-36	10/20/2015	5300	360	2700	13000	59000	2800	< 250
MW-36	1/19/2016	6100	400	2200	10000	49000	5500	330
MW-36	4/19/2016	5900	320	2700	11000	49000	4500	< 250
MW-36	7/19/2016	6100	310	2700	11000	46000	3400	< 250
MW-36	11/9/2016	5100 F1	250 F1	1900	6500	44000	3700 F1F2	< 260F2
MW-36	3/22/2017	5800 H	< 100H	2900 H	8400 H	46000 H	4200	< 250
MW-36	6/28/2017	5100 HE	230 H	2500 H	7400 H	43000 H	4500	< 260
MW-37	11/18/2014	16	6	8.3	31	270	400	< 250
MW-37	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	80	< 120	< 250
MW-37	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-37	7/13/2015	< 2.0*	< 2.0*	< 3.0	< 3.0	< 50	< 110	< 250
MW-37	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-37	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-37	4/19/2016	< 2.0	< 2.0	< 3.0	8.0	< 50	< 110	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-37	7/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-37	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-37	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-38	11/18/2014	30	4.4	9.2	59	910	190	< 250
MW-38	1/13/2015	32	< 1.0	1.3	< 3.0	560	260	< 240
MW-38	4/6/2015	19	< 2.0	< 3.0	< 3.0	460	200 Y	< 270
MW-38	7/14/2015	26	< 2.0	< 3.0	< 3.0	470 H	240 Y	< 250
MW-38	10/19/2015	33 F1	< 2.0	< 3.0	< 3.0	890	270	< 250F2
MW-38	1/18/2016	25	< 2.0	< 3.0	< 3.0	600	260	< 250
MW-38	4/19/2016	12	< 2.0	4.3	4.3	290	200	< 250
MW-38	7/19/2016	46	< 2.0	9.8	< 3.0	700	360	< 250
MW-38	11/8/2016	66	2.0	< 3.0	< 3.0	870	490	< 250
MW-38	3/21/2017	3.0	< 2.0	< 3.0	< 3.0	150 H	140	< 250
MW-38	6/27/2017	7.7	< 2.0	< 3.0	< 3.0	< 500	160	< 250
MW-38	9/26/2017	10	< 2.0	< 3.0	< 3.0	< 500	180	< 250
MW-39	11/18/2014	9.6	12	12	44	430	430	< 250
MW-39	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	72	< 120	< 240
MW-39	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	190 Y	< 260
MW-39	7/13/2015	< 2.0*	< 2.0*	< 3.0	< 3.0	< 50	110 Y	< 250
MW-39	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-39	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	57	< 110	< 250
MW-39	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-39	7/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-39	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-39	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-39	11/28/2017	< 2.0*	< 2.0	< 3.0	< 3.0	< 250	100	< 250
MW-40	11/19/2014	1.9	< 1.0	4.9	< 3.0	140	< 130	< 250
MW-40	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-40	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-40	7/13/2015	< 2.0*	< 2.0*	< 3.0	< 3.0	< 50	< 110	< 250
MW-40	10/19/2015	6.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-40	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-40	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-40	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-40	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-40	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-41	11/19/2014	11	3.5	33	16	1000	170	< 250
MW-41	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-41	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-41	7/14/2015	< 40	< 40	< 60	< 60	2600 H	590 Y	< 250
MW-41	10/20/2015	120	2.0	25	< 3.0	2800	640	< 250
MW-41	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-41	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-41	7/20/2016	9.4	< 2.0	4.4	< 3.0	310	170	< 250
MW-41	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-41	3/22/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	210 H	< 110	< 260
MW-41	6/28/2017	2.7 H	< 2.0	< 3.0H	< 3.0H	< 500	< 100	< 250
MW-41	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-41	11/29/2017	< 2.0*	< 2.0	< 3.0	< 3.0	< 250	< 100	< 260
MW-42	11/19/2014	990	17	2500	5500	31000	2400	< 250
MW-42	1/12/2015	780	22	2300	4200	27000	4000	< 250
MW-42	4/7/2015	320	32	2500	7000	35000	3100 Y	< 240
MW-42	7/14/2015	660	< 40	1800 H	4500 H	31000 H	2300 Y	< 250
MW-42	1/19/2016	170	32	2000	3200	23000	3100	< 250
MW-42	4/20/2016	290 H	26	2100 H	3300 H	26000	3000	< 250
MW-42	7/20/2016	< 2000	< 2000	< 3000	6300	36000	3400 *	< 250*
MW-42	11/9/2016	450	< 40	1700	3900	27000	3900 F1F2	< 260F2
MW-42	3/22/2017	820 H	17	2000 H	2200 H	23000 H	3400	< 250
MW-43	11/19/2014	< 1.0	5.2	370	1900	29000	1900	< 250
MW-43	1/12/2015	1.2	5.2	290	1500	33000	5700	< 240
MW-43	4/7/2015	4.2	12	410	1900	32000	4700 Y	< 240
MW-43	7/14/2015	< 40	< 40	580	2000 H	33000 H	2600 Y	< 260
MW-43	10/20/2015	31	16	790	2000	28000 H	5100 H	< 250H
MW-43	1/19/2016	< 2.0	5.2	270	1400	35000	5000 F1	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-43	4/20/2016	3.4	7.8	300 H	1400 H	31000	4200	< 250
MW-43	7/20/2016	21	16	540 F1	2600	34000	3900 F1*	< 250*
MW-43	11/9/2016	< 40	< 40	230	960	20000	4900	< 250
MW-43	3/22/2017	< 200H	< 200H	< 300H	660 H	26000 H	4900 F1	< 250
MW-43	6/28/2017	24 F1	15	230 E	620	25000	3600 F2F1	< 250F2
MW-43	9/27/2017	< 20	< 20	390	1100	25000	4300	< 260
MW-43	11/29/2017	< 20	< 20	120	520	25000	4700	< 250
MW-44	11/19/2014	130	8	1100	230	9300	1400	330
MW-44	1/12/2015	8.2	12	800	1900	12000	1900	< 240
MW-44	4/7/2015	5.2	14	670	100	10000	1900 Y	< 240
MW-44	7/13/2015	70 H	< 40H	920 H	92 H	9400 H	1300 Y	< 250
MW-44	10/20/2015	350	33	1400	77	10000	1300	< 250
MW-44	10/20/2015	1100	17	2100	4500	27000	2400	< 250
MW-44	1/19/2016	22	7.4	910	180	9400	1600	< 250
MW-44	4/20/2016	6.6	6.8	730 H	< 300H	10000	1800	< 250
MW-44	7/20/2016	< 200	< 200	800	< 300	7700	1700 *	< 250*
MW-44	11/9/2016	5.1	4.3	590	82	7500	1700	< 250
MW-44	3/22/2017	< 20H	5.5	580 H	91	8000 H	1800	< 250
MW-44	6/28/2017	11	4.7	580 H	54	7100	< 100	< 250
MW-44	9/27/2017	76	< 10	550	19	8900	1300	< 250
MW-44	11/29/2017	< 20	< 20	480	48	7200	1600	< 250
MW-45	11/18/2014	170	74	450	270	5500	1300	< 250
MW-45	1/13/2015	9.2	3.5	510	15	9600	2400	< 250
MW-45	4/6/2015	6.6	3.7	630	13	10000	2400 Y	< 240
MW-45	7/14/2015	< 20	< 20	240	< 30	6200 H	1900 Y	< 250
MW-45	10/19/2015	27	3.5	230	24	3900	680	< 250
MW-45	1/19/2016	7.2	3.1	830	21	10000	2900	< 250
MW-45	4/19/2016	5.7	3.7	750	17	10000	3000	< 250
MW-45	7/19/2016	12	3.3	680	10	7900	2300 *	< 250*
MW-45	11/8/2016	16	3.1	890	13	5900	2200	< 250
MW-45	3/21/2017	7.2	2.4	250 H	4.8	5900 H	3400	< 260
MW-45	6/27/2017	9.1	2.5	650	7.5	7100	< 100	< 250
MW-45	9/26/2017	13	2.2	160	7.0	6000	1200	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-45	11/28/2017	11	< 2.0	450	4.9	4500	1700	< 250
MW-47	1/13/2015	1.2	< 1.0	< 1.0	< 3.0	430	1600	< 240
MW-47	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-47	7/14/2015	< 2.0	< 2.0	< 3.0	< 3.0	200 H	120 Y	< 250
MW-47	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	280	< 110	< 250
MW-47	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	51	120	< 250
MW-47	7/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	51	< 110*	< 250*
MW-47	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	130	< 250
MW-47	3/21/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-48	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	310	180	< 240
MW-48	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	160	< 110	< 250
MW-48	7/14/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-48	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110F2F1	< 250
MW-48	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-48	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-48	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110*	< 250*
MW-48	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-48	3/21/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	130 H	130	< 250
MW-48	6/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	4900	< 260
MW-48	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-49	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-49	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	7/13/2015	< 2.0*	< 2.0*	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	7/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110*	< 250*
MW-49	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	3/21/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50H	< 110	< 250
MW-49	6/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	1800	< 260
MW-49	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-50	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-50	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-50	7/13/2015	< 2.0*	< 2.0*	< 3.0	< 3.0	< 50	< 110	< 250
MW-50	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110H	< 250H
MW-50	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-50	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-50	7/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110*	< 250*
MW-50	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-50	3/21/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	81 H	< 110	< 250
MW-50	6/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	2900	< 260
MW-50	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-51	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-51	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-51	7/13/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-51	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	190	< 250
MW-51	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-51	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-51	7/19/2016	< 2.0	< 2.0	< 3.0	3.2	< 50	< 110*	< 250*
MW-51	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-51	3/21/2017	< 2.0H	< 2.0H	< 3.0HF1	< 3.0H	< 50H	< 110	< 260
MW-51	6/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-51	9/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 260
MW-52	1/13/2015	320	6.2	590	29	14000	2900	< 250
MW-52	4/6/2015	280	10	1600	14	14000 B	2700 Y	< 240
MW-52	7/14/2015	330	13	1600 H	40	14000 H	2800 Y	< 250
MW-52	10/19/2015	330 F1	14	1300 F1	32	13000	3400 F1	< 250
MW-52	1/18/2016	400	12	1400	22	12000 F1	3000	< 250
MW-52	4/19/2016	370	8.9	1400	26	13000	3200	< 250
MW-52	7/20/2016	480	15	1600	60 F1	12000	3100 *	< 250*
MW-52	11/8/2016	550	8.0	1800	16	11000	3900	< 250
MW-52	3/21/2017	270 H	3.6 H	1400 H	30 H	13000 H	3900	< 250
MW-52	6/28/2017	330 H	5.9	1300 H	20	13000	3800 *	< 250*
MW-52	9/28/2017	310	< 20	1200	< 30	17000	2700	< 250

Table 2
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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-53	1/12/2015	12000	470	2500	11000	55000	3600	< 240
MW-53	4/6/2015	15000	440	3100	14000	51000	2800 Y	< 240
MW-53	7/13/2015	15000 H	< 1000H	2600 H	12000 H	50000 H	4100 Y	< 250
MW-53	10/20/2015	15000	420	2600	12000	44000 H	3300	< 250
MW-53	1/19/2016	14000	410	2500	11000	49000	3400	< 250
MW-53	4/19/2016	15000	410	2800	12000	51000	5600	310
MW-53	7/19/2016	16000	420	2800	12000	44000	3200 *	< 250*
MW-53	11/9/2016	12000	330	2400	6700	34000	4600	280
MW-53	3/22/2017	13000 H	350 H	3000 H	8800 H	56000 H	5800	< 250
MW-53	6/28/2017	11000 HE	320 H	2600 H	9000 H	44000 H	5900 *	< 250*
MW-53	9/28/2017	12000	280	3000	8700	73000	5100	< 250
MW-54	11/16/2005	< 0.5	< 0.5	< 0.5	< 1	< 50	--	--
MW-54	2/26/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
MW-54	5/9/2007	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
MW-54	1/17/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	--	--
MW-54	4/7/2008	< 0.5	< 0.5	< 0.5	< 1	< 50	< 238	< 476
MW-54	7/22/2008	< 0.5	< 0.5	0.543	< 1	< 50	< 781	< 1560
MW-54	3/17/2010	< 1.0	< 1.0	< 1.0	< 2.0	< 50	< 120	< 240
MW-54	3/4/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
MW-54	5/10/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 75	< 380
MW-54	3/27/2013	< 0.5	< 0.5	< 0.5	< 1.0	< 50	--	--
MW-54	11/7/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	--	--
MW-54	11/17/2014	2.4	12	8.6	32	530	2000	610
MW-54	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-54	4/6/2015	2.2	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-54	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-54	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	130	< 250
MW-54	11/8/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-54	3/21/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50H	< 110	< 260
MW-54	11/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	--	--
MW-55	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-55	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-55	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-55	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110*	< 250*
MW-55	11/10/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-55	3/23/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 260
MW-55	6/28/2017	< 2.0H	< 2.0	< 3.0H	< 3.0H	< 500H	< 100*	< 250*
MW-55	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-55	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	< 100F1	< 250
MW-56	10/20/2015	< 200	< 200	2400	9200	41000 H	3300 F1	< 250F1
MW-56	1/19/2016	5.0	12	< 300	870	6100	1200	< 250
MW-56	4/20/2016	38	82	1900 H	7800 H	40000	4100	< 250
MW-56	7/20/2016	51	130	2200	9200	48000	3500 *	< 250*
MW-56	11/10/2016	19	45	740	3000	10000	1400	< 250
MW-56	3/23/2017	4.8 H	21 H	450 H	2000 H	10000	670	< 250
MW-56	6/28/2017	19	79	1600 H	7200 H	36000 H	2900 *	< 250*
MW-56	9/27/2017	< 100	110	2400	11000	49000	2800	< 250
MW-56	11/29/2017	< 40	< 40	680	3700	17000	1000	< 250
MW-57	10/20/2015	2.6	< 2.0	< 3.0	< 3.0	160	< 110	< 250
MW-57	4/20/2016	28	< 2.0	< 3.0	3.4 H	260	220	< 250
MW-57	7/20/2016	22 F1	< 2.0	5.7 F1	4.0	260	< 110	< 250
MW-57	11/9/2016	13	< 2.0	< 3.0	< 3.0F1	150	150 F2	< 250F2
MW-57	6/28/2017	10	< 2.0	< 3.0H	< 3.0H	< 500H	160 *	< 250*
MW-57	9/26/2017	38	< 2.0	< 3.0	< 3.0	1000	160	< 260
MW-57	11/29/2017	4.1	< 2.0	< 3.0	< 3.0	< 250	100	< 260
MW-58	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	1900	990	< 250
MW-58	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	2600	8900	930
MW-58	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	1800	1200	< 250
MW-58	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	2200	4400 F1F2	660 F1F2
MW-58	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	1800 H	3900 *	380 *
MW-58	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	960	4200	450
MW-58	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	1300	8000	1700

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-59	10/20/2015	2.7	43	< 3.0	< 3.0	2100	660	< 250
MW-59	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	3700	9500	970
MW-59	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	2500	6000	280
MW-59	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	2300	11000	1500
MW-59	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	2700 H	6600 *	590 *
MW-59	9/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	1200	8000	1000
MW-59	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	2600	9200	1400
MW-60	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-60	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	180	< 250
MW-60	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-60	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	1700	< 260
MW-60	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-60	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-60	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	450	< 250
MW-61	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-61	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-61	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-61	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-61	11/10/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-61	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50	< 110	< 250
MW-61	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-61	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-61	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	< 100	< 250
MW-62	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110H	< 250H
MW-62	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-62	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 260
MW-62	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-62	11/10/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 260
MW-62	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50	< 110	< 250
MW-62	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-62	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-62	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	< 100	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-63	10/20/2015	8.1	7.1	89	120	1500	260 H	< 250H
MW-63	1/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-63	4/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-63	7/20/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-63	11/10/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-63	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50	< 110	< 250
MW-63	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-63	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-63	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	< 100	< 250
MW-64	10/19/2015	19	2.0	< 3.0	5.4	1600	1900	270
MW-64	1/18/2016	26	2.5	< 3.0	7.4	2000	3200	460
MW-64	4/20/2016	29	< 2.0	< 3.0	6.5	1800	2900	400
MW-64	7/20/2016	19	< 2.0	< 3.0	5.1	1600	1900	< 250
MW-64	11/9/2016	21	2.2	< 3.0	5.9	1300	2700	450
MW-64	3/22/2017	19 H	2.0 H	< 3.0H	6.0 H	2000 H	2400	< 250
MW-64	6/28/2017	10	< 2.0	< 3.0	7.7	1500 H	2400 F2*	< 250F2*
MW-64	9/27/2017	12	< 2.0	< 3.0	5.0	2400	2300	< 250
MW-64	11/28/2017	12	< 2.0	< 3.0	4.4	890	2200	300
MW-65	10/20/2015	1900	22	1100	54	7200	1600	< 250
MW-65	1/19/2016	3700	25	2500	62	12000	4500	310
MW-65	4/19/2016	3900	< 200	2600	< 300	14000	3900	< 250
MW-65	7/19/2016	2700	19	1100	57	8300	2600	< 250
MW-65	11/9/2016	2600	21	1400	60	7400	3700	320
MW-65	3/22/2017	3100 H	19	3000 H	48	16000 H	3900	< 250
MW-65	6/27/2017	2100 H	15	1800 H	36	11000	4300 *	< 260*
MW-65	9/27/2017	2000	< 40	1100	< 60	16000	4000	280
MW-66	10/20/2015	290	9.2	84	16	4000	870	< 250
MW-66	1/19/2016	240	5.5	410	14	4100	2000	< 250
MW-66	4/19/2016	780	< 200	1800	< 300	9600	3000	< 250
MW-66	7/19/2016	430	7.6	< 150	12	3100	1300	< 250
MW-66	11/9/2016	260	7.9	190	11	2800	1600	< 250
MW-66	3/22/2017	99 H	2.3	170 H	10	1000 H	330	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
MW-66	6/27/2017	260	6.6	240	9.8	2700	1000 *	< 250*
MW-66	9/27/2017	310	< 10	72	< 15	6500	1400	< 250
MW-66	11/28/2017	190	3.7	86	3.8	1300	690	< 250
MW-67	11/10/2016	52	3.7	210	14	1200	350	< 250
MW-67	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50	< 110	< 260
MW-67	6/28/2017	230 E	11	260 E	67	4300 H	1400 *	< 250*
MW-67	9/27/2017	96	6.0	190	27	6000	1100	< 250
MW-67	11/29/2017	16	< 2.0	60	6.2	450	140	< 250
MW-68	11/10/2016	< 2.0	< 2.0	7.7	< 3.0	150	< 110	< 250
MW-68	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50	< 110	< 250
MW-68	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-68	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-68	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	< 100	< 250
MW-69	11/10/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-69	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50H	< 110	< 250
MW-69	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-69	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-69	11/29/2017	< 2.0F1	< 2.0	< 3.0	< 3.0	< 250	< 100	< 260
MW-70	11/10/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-70	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50H	< 110	< 250
MW-70	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 100*	< 250*
MW-70	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
MW-70	11/29/2017	< 2.0F1	< 2.0F1	< 3.0F1	< 3.0F1	< 250F1	< 100	< 250
MW-71	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	200	< 260
MW-71	3/22/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50H	< 110	< 260
MW-71	6/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	280	< 250
MW-71	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	150	< 250
MW-71	11/28/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	< 100	< 250

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CONSTITUENT		B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	1000/800 ¹	500	500
IW-1	11/7/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 50	--	--
IW-1	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
IW-1	4/7/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	130 Y	260 Y
IW-1	7/14/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	120 Y	< 250
IW-1	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	420	< 260
IW-1	1/18/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	140	< 250
IW-1	4/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	200	< 250
IW-1	7/19/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110*	< 250*
IW-1	11/9/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	140	< 260
IW-1	3/21/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50H	< 110	< 260
IW-1	6/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	160	< 250
IW-1	9/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 100	< 250
SRW-1	7/16/2007	27.6	1.15	0.801	1.09	316	4430	< 472
SRW-1	10/25/2007	1.43	< 0.5	< 0.5	< 1	< 50	4830	< 476
SRW-1	12/17/2013	< 1.0	< 1.0	< 1.0	< 3.0	170	160	--
PW-3	1/20/2009	< 0.5	< 0.5	< 0.5	< 1	< 50	< 236	< 472
PW-6	1/20/2009	< 0.5	< 0.5	< 0.5	< 1	< 50	< 243	< 485
AG WELL	11/10/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 50	130	< 260
AG WELL	3/23/2017	< 2.0H	< 2.0H	< 3.0H	< 3.0H	< 50H	< 110	< 250
AG WELL	6/28/2017	< 2.0	2.1	< 3.0	< 3.0	< 500H	< 100	< 250
AG WELL	9/27/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 500	140	250
AG WELL	11/29/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 250	460	400

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16292 Ovenell Road
Mt. Vernon, WA 98421

CONSTITUENT	B	T	E	X	TPH-G	TPH-D	TPH-O
UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS	5	1000	700	1000	1000/800¹	500	500

Notes:

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes, Total

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

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

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

1,000/800¹ 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)

ND = Not detected

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

MTCA = Model Toxics Control Act

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

* = LCS or LCSD is outside acceptance limits.

B = Compound was found in the blank and sample.

E = Result exceeded calibration range.

F1 = MS and/or MSD Recovery is outside acceptance limits.

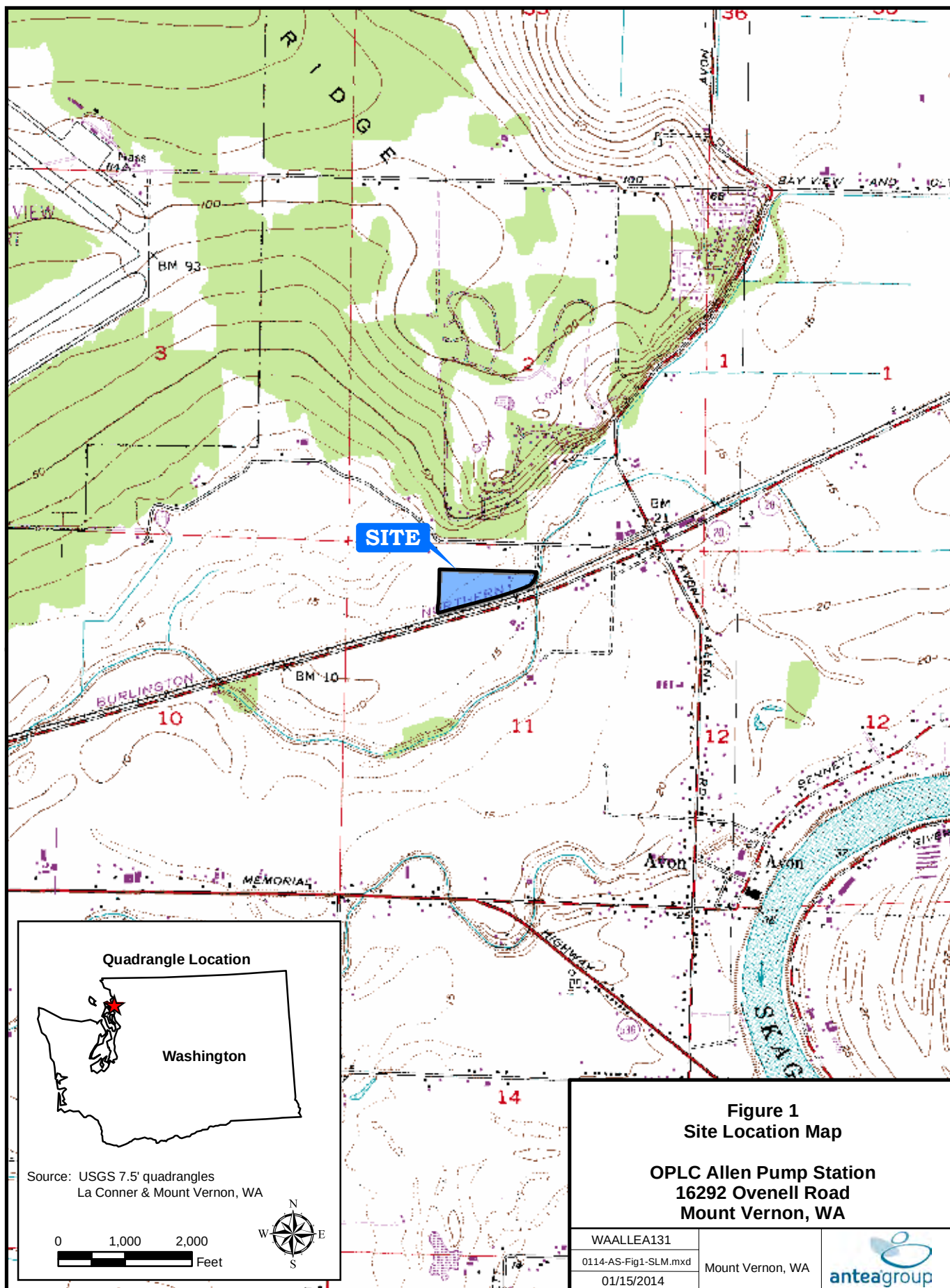
F2 = MS/MSD RPD exceeds control limits

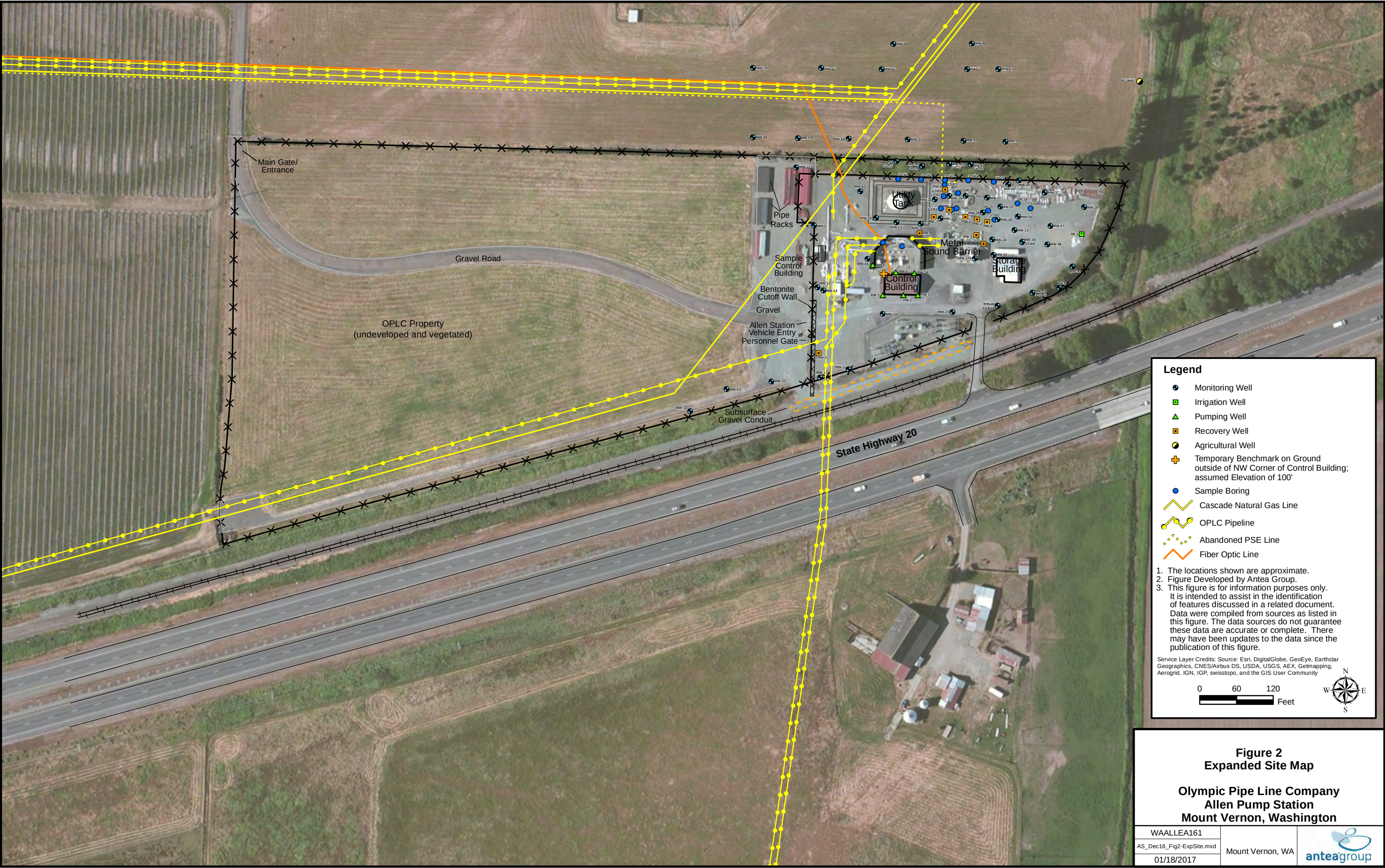
H = Sample was prepped or analyzed beyond the specified holding time

Y = The chromatographic response resembles a typical fuel pattern.

Figures

Figure 1	Site Location Map
Figure 2	Expanded Site Map
Figure 3a	Groundwater Analytical Data Map – 3/21/2017 – 3/23/2017
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Figure 5a	Groundwater Analytical Data Map – 9/26/2017 – 9/28/2017
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Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

Agricultural Well

Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'

Cascade Natural Gas Line

OPLC Pipeline

Abandoned PSE Line

Fiber Optic Line

Sample ID	MTCA Method A
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

03060

Feet

N

E

S

W

Legend

- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Agricultural Well
- Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'
- Cascade Natural Gas Line
- OPLC Pipeline
- Abandoned PSE Line
- Fiber Optic Line

Sample Data Tables:

Sample ID	Date	Parameter	Value
MW-66	6/27/2017	B	260
MW-66	6/27/2017	T	6.6
MW-66	6/27/2017	E	240
MW-66	6/27/2017	X	9.8
MW-66	6/27/2017	TPH-G	2700
MW-66	6/27/2017	TPH-D	1000 *
MW-66	6/27/2017	TPH-O	< 250*
MW-44	6/28/2017	B	11
MW-44	6/28/2017	T	4.7
MW-44	6/28/2017	E	580 H
MW-44	6/28/2017	X	54
MW-44	6/28/2017	TPH-G	7100
MW-44	6/28/2017	TPH-D	< 100
MW-44	6/28/2017	TPH-O	< 250
MW-43	6/28/2017	B	24 F1
MW-43	6/28/2017	T	15
MW-43	6/28/2017	E	230 E
MW-43	6/28/2017	X	620
MW-43	6/28/2017	TPH-G	25000
MW-43	6/28/2017	TPH-D	3600 F2F1
MW-43	6/28/2017	TPH-O	< 250F2
MW-29	6/28/2017	B	86
MW-29	6/28/2017	T	10 F1
MW-29	6/28/2017	E	120 E
MW-29	6/28/2017	X	320
MW-29	6/28/2017	TPH-G	3500 F2F1
MW-29	6/28/2017	TPH-D	1400
MW-29	6/28/2017	TPH-O	780 F1
MW-41	6/28/2017	B	2.7 H
MW-41	6/28/2017	T	< 2.0
MW-41	6/28/2017	E	< 3.0H
MW-41	6/28/2017	X	< 3.0H
MW-41	6/28/2017	TPH-G	< 500
MW-41	6/28/2017	TPH-D	< 100
MW-41	6/28/2017	TPH-O	< 250
MW-27	6/28/2017	B	3.0
MW-27	6/28/2017	T	< 2.0
MW-27	6/28/2017	E	130
MW-27	6/28/2017	X	23
MW-27	6/28/2017	TPH-G	5800
MW-27	6/28/2017	TPH-D	2400
MW-27	6/28/2017	TPH-O	< 250
MW-51	6/27/2017	B	< 2.0
MW-51	6/27/2017	T	< 2.0
MW-51	6/27/2017	E	< 3.0
MW-51	6/27/2017	X	< 3.0
MW-51	6/27/2017	TPH-G	< 500H
MW-51	6/27/2017	TPH-D	< 100*
MW-51	6/27/2017	TPH-O	< 250*
MW-60	6/27/2017	B	< 2.0
MW-60	6/27/2017	T	< 2.0
MW-60	6/27/2017	E	4.1
MW-60	6/27/2017	X	19
MW-60	6/27/2017	TPH-G	2300
MW-60	6/27/2017	TPH-D	2800
MW-60	6/27/2017	TPH-O	580
MW-59	6/27/2017	B	1800
MW-59	6/27/2017	T	420
MW-59	6/27/2017	E	2700
MW-59	6/27/2017	X	12000
MW-59	6/27/2017	TPH-G	56000 H
MW-59	6/27/2017	TPH-D	3200
MW-59	6/27/2017	TPH-O	< 260
MW-58	6/27/2017	B	540
MW-58	6/27/2017	T	7.7
MW-58	6/27/2017	E	1300
MW-58	6/27/2017	X	49
MW-58	6/27/2017	TPH-G	9300
MW-58	6/27/2017	TPH-D	5400
MW-58	6/27/2017	TPH-O	630
MW-19	6/27/2017	B	540
MW-19	6/27/2017	T	7.7
MW-19	6/27/2017	E	1300
MW-19	6/27/2017	X	49
MW-19	6/27/2017	TPH-G	9300
MW-19	6/27/2017	TPH-D	5400
MW-19	6/27/2017	TPH-O	630
MW-31	6/28/2017	B	11000 HE
MW-31	6/28/2017	T	320 H
MW-31	6/28/2017	E	2600 H
MW-31	6/28/2017	X	9000 H
MW-31	6/28/2017	TPH-G	44000 H
MW-31	6/28/2017	TPH-D	5900 *
MW-31	6/28/2017	TPH-O	< 250*
MW-53	6/28/2017	B	11000 HE
MW-53	6/28/2017	T	320 H
MW-53	6/28/2017	E	2600 H
MW-53	6/28/2017	X	9000 H
MW-53	6/28/2017	TPH-G	44000 H
MW-53	6/28/2017	TPH-D	5900 *
MW-53	6/28/2017	TPH-O	< 250*
MW-36	6/28/2017	B	5100 HE
MW-36	6/28/2017	T	230 H
MW-36	6/28/2017	E	2500 H
MW-36	6/28/2017	X	7400 H
MW-36	6/28/2017	TPH-G	43000 H
MW-36	6/28/2017	TPH-D	4500
MW-36	6/28/2017	TPH-O	< 260
MW-65	6/27/2017	B	2100 H
MW-65	6/27/2017	T	15
MW-65	6/27/2017	E	1800 H
MW-65	6/27/2017	X	36
MW-65	6/27/2017	TPH-G	11000
MW-65	6/27/2017	TPH-D	4300 *
MW-65	6/27/2017	TPH-O	< 260*
MW-14	6/27/2017	B	5.5
MW-14	6/27/2017	T	< 2.0
MW-14	6/27/2017	E	3.2
MW-14	6/27/2017	X	< 3.0
MW-14	6/27/2017	TPH-G	< 500
MW-14	6/27/2017	TPH-D	1200
MW-14	6/27/2017	TPH-O	290
MW-21	6/27/2017	B	15
MW-21	6/27/2017	T	2.9
MW-21	6/27/2017	E	530
MW-21	6/27/2017	X	94
MW-21	6/27/2017	TPH-G	9700
MW-21	6/27/2017	TPH-D	6000
MW-21	6/27/2017	TPH-O	740
MW-2	6/27/2017	B	< 2.0
MW-2	6/27/2017	T	< 2.0
MW-2	6/27/2017	E	< 3.0
MW-2	6/27/2017	X	< 3.0
MW-2	6/27/2017	TPH-G	< 500F1
MW-2	6/27/2017	TPH-D	1800
MW-2	6/27/2017	TPH-O	1100
MW-35	6/28/2017	B	9600 E
MW-35	6/28/2017	T	10000 E
MW-35	6/28/2017	E	2600
MW-35	6/28/2017	X	13000
MW-35	6/28/2017	TPH-G	84000 H
MW-35	6/28/2017	TPH-D	6700
MW-35	6/28/2017	TPH-O	< 250
MW-20	6/27/2017	B	20
MW-20	6/27/2017	T	< 2.0
MW-20	6/27/2017	E	< 3.0
MW-20	6/27/2017	X	< 3.0
MW-20	6/27/2017	TPH-G	< 500
MW-20	6/27/2017	TPH-D	530
MW-20	6/27/2017	TPH-O	< 250
MW-52	6/28/2017	B	330 H
MW-52	6/28/2017	T	5.9
MW-52	6/28/2017	E	1300 H
MW-52	6/28/2017	X	20
MW-52	6/28/2017	TPH-G	13000
MW-52	6/28/2017	TPH-D	3800 *
MW-52	6/28/2017	TPH-O	< 250*
MW-18	6/28/2017	B	550
MW-18	6/28/2017	T	42
MW-18	6/28/2017	E	1400
MW-18	6/28/2017	X	1700
MW-18	6/28/2017	TPH-G	22000
MW-18	6/28/2017	TPH-D	7100
MW-18	6/28/2017	TPH-O	300
MW-50	6/27/2017	B	< 2.0
MW-50	6/27/2017	T	< 2.0
MW-50	6/27/2017	E	< 3.0
MW-50	6/27/2017	X	< 3.0
MW-50	6/27/2017	TPH-G	< 500H
MW-50	6/27/2017	TPH-D	2900
MW-50	6/27/2017	TPH-O	< 260
MW-32	6/27/2017	B	41
MW-32	6/27/2017	T	6.0
MW-32	6/27/2017	E	1000
MW-32	6/27/2017	X	21
MW-32	6/27/2017	TPH-G	12000
MW-32	6/27/2017	TPH-D	4200
MW-32	6/27/2017	TPH-O	< 250
MW-25	6/27/2017	B	340
MW-25	6/27/2017	T	9.1
MW-25	6/27/2017	E	700
MW-25	6/27/2017	X	25
MW-25	6/27/2017	TPH-G	8200
MW-25	6/27/2017	TPH-D	2700
MW-25	6/27/2017	TPH-O	< 260
MW-49	6/27/2017	B	< 2.0
MW-49	6/27/2017	T	< 2.0
MW-49	6/27/2017	E	< 3.0
MW-49	6/27/2017	X	< 3.0
MW-49	6/27/2017	TPH-G	< 500H
MW-49	6/27/2017	TPH-D	160
MW-49	6/27/2017	TPH-O	< 260
MW-38	6/27/2017	B	7.7
MW-38	6/27/2017	T	< 2.0
MW-38	6/27/2017	E	< 3.0
MW-38	6/27/2017	X	< 3.0
MW-38	6/27/2017	TPH-G	< 500
MW-38	6/27/2017	TPH-D	160
MW-38	6/27/2017	TPH-O	< 250
MW-17A	3/21/2017	B	< 2.0
MW-17A	3/21/2017	T	< 2.0
MW-17A	3/21/2017	E	< 3.0
MW-17A	3/21/2017	X	< 3.0
MW-17A	3/21/2017	TPH-G	< 50
MW-17A	3/21/2017	TPH-D	380
MW-17A	3/21/2017	TPH-O	< 250
MW-45	6/27/2017	B	9.1
MW-45	6/27/2017	T	2.5
MW-45	6/27/2017	E	650
MW-45	6/27/2017	X	7.5
MW-45	6/27/2017	TPH-G	7100
MW-45	6/27/2017	TPH-D	< 100
MW-45	6/27/2017	TPH-O	< 250
MW-1	6/27/2017	B	< 2.0
MW-1	6/27/2017	T	< 2.0
MW-1	6/27/2017	E	< 3.0
MW-1	6/27/2017	X	< 3.0
MW-1	6/27/2017	TPH-G	< 500
MW-1	6/27/2017	TPH-D	160
MW-1	6/27/2017	TPH-O	< 250
MW-48	6/27/2017	B	< 2.0
MW-48	6/27/2017	T	< 2.0
MW-48	6/27/2017	E	< 3.0
MW-48	6/27/2017	X	< 3.0
MW-48	6/27/2017	TPH-G	< 500H
MW-48	6/27/2017	TPH-D	4900
MW-48	6/27/2017	TPH-O	< 260

NOTES:

- All concentrations reported in micrograms per liter (µg/L)
- 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-Ox
- Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260
- ¹ = MTCA Method A Cleanup Level for TPH-Gasoline is 1000 (µg/L) if benzene is not detectable in groundwater
- = Not sampled, not measured, or not analyzed
- < = Less than the stated laboratory reporting limit or method detection limit
- Bolded values equal or exceed MTCA Method A Cleanup Levels
- MTCA = Model Toxics Control Act
- H = Sample was prepped or analyzed beyond the specified holding time
- F1 = MS and/or MSD Recovery is outside acceptance limits.
- F2 = MS/MSD RPD exceeds control limits

Figure 4A
Groundwater Analytical Data Map
6/27/2017 - 6/28/2017

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA271	Mount Vernon, WA	
AS_2017_F4A-June17GWA.mxd		
02/16/2018		

Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

Agricultural Well

Temporary Benchmark on Ground
outside of NW Corner of Control Building;
assumed Elevation of 100'

Cascade Natural Gas Line

OPLC Pipeline

Abandoned PSE Line

Fiber Optic Line

Sample ID	MTCA Method A
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

060120

Feet

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S

<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*
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TPH-O	< 250*																																																																																																																					

Date	6/28/2017
B	< 2.0
T	2.1
E	< 3.0
X	< 3.0
TPH-G	< 500H
TPH-D	< 100
TPH-O	< 250

<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>< 100*</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	< 500H	TPH-D	< 100*	TPH-O	< 250*	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>2700 H</td></tr><tr><td>TPH-D</td><td>6600 *</td></tr><tr><td>TPH-O</td><td>590 *</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	2700 H	TPH-D	6600 *	TPH-O	590 *	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>< 2.0</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0</td></tr><tr><td>X</td><td>< 3.0</td></tr><tr><td>TPH-G</td><td>1800 H</td></tr><tr><td>TPH-D</td><td>3900 *</td></tr><tr><td>TPH-O</td><td>380 *</td></tr></table>	Date	6/28/2017	B	< 2.0	T	< 2.0	E	< 3.0	X	< 3.0	TPH-G	1800 H	TPH-D	3900 *	TPH-O	380 *	<table><tr><th>Date</th><th>6/28/2017</th></tr><tr><td>B</td><td>10</td></tr><tr><td>T</td><td>< 2.0</td></tr><tr><td>E</td><td>< 3.0H</td></tr><tr><td>X</td><td>< 3.0H</td></tr><tr><td>TPH-G</td><td>< 500H</td></tr><tr><td>TPH-D</td><td>160 *</td></tr><tr><td>TPH-O</td><td>< 250*</td></tr></table>	Date	6/28/2017	B	10	T	< 2.0	E	< 3.0H	X	< 3.0H	TPH-G	< 500H	TPH-D	160 *	TPH-O	< 250*
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TPH-D	160 *																																																																		
TPH-O	< 250*																																																																		

Date	6/28/2017
B	19
T	79
E	1600 H
X	7200 H
TPH-G	36000 H
TPH-D	2900 *
TPH-O	< 250*

Date	6/28/2017
B	< 2.0H
T	< 2.0
E	< 3.0H
X	< 3.0H
TPH-G	< 500H
TPH-D	< 100*
TPH-O	< 250*

Date	6/28/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	1200
TPH-D	4300
TPH-O	670

Date	6/28/2017
B	10
T	< 2.0
E	< 3.0
X	7.7
TPH-G	1500 H
TPH-D	2400 F2*
TPH-O	< 250F2*

Date	6/28/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500H
TPH-D	280
TPH-O	< 250

NOTES:
All concentrations reported in micrograms per liter (µg/L)
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-Ox
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260
¹ = MTCA Method A Cleanup Level for TPH-Gasoline is 1000 (µg/L) if benzene is not detectable in groundwater
- = Not sampled, not measured, or not analyzed
< = Less than the stated laboratory reporting limit or method detection limit
Bolded values equal or exceed MTCA Method A Cleanup Levels
MTCA = Model Toxics Control Act
H = Sample was prepped or analyzed beyond the specified holding time
F1 = MS and/or MSD Recovery is outside acceptance limits.
F2 = MS/MSD RPD exceeds control limits

Figure 4B
Groundwater Analytical Data Map
6/27/2017 - 6/28/2017

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA271	Mount Vernon, WA	
AS_2017_F4B-June17GWA.mxd		
02/16/2018		

Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

Agricultural Well

Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'

Cascade Natural Gas Line

OPLC Pipeline

Abandoned PSE Line

Fiber Optic Line

Sample ID	MTCA Method A
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

03060

Feet

N

W

E

S

Legend

- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Agricultural Well
- Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'
- Cascade Natural Gas Line
- OPLC Pipeline
- Abandoned PSE Line
- Fiber Optic Line

Sample Data Tables:

Sample ID	MTCA Method A
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

Notes:

- All concentrations reported in micrograms per liter (µg/L)
- 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-Ox
- Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260
- ¹ = MTCA Method A Cleanup Level for TPH-Gasoline is 1000 (µg/L) if benzene is not detectable in groundwater
- = Not sampled, not measured, or not analyzed
- < = Less than the stated laboratory reporting limit or method detection limit
- Bolded values equal or exceed MTCA Method A Cleanup Levels
- MTCA = Model Toxics Control Act
- H = Sample was prepped or analyzed beyond the specified holding time
- F1 = MS and/or MSD Recovery is outside acceptance limits.
- F2 = MS/MSD RPD exceeds control limits

Figure 5A
Groundwater Analytical Data Map
9/26/2017 - 9/28/2017

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA271
AS_2017_F5A-Sept17GWA.mxd
02/16/2018

Mount Vernon, WA
anteagroup

Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

Agricultural Well

Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'

Cascade Natural Gas Line

OPLC Pipeline

Abandoned PSE Line

Fiber Optic Line

Sample ID	MTCA Method A
Sample Date	
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

060120

Feet

N

W

E

S

MW-70

Date	9/26/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-61

Date	9/26/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-62

Date	9/26/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-69

Date	9/27/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-63

Date	9/27/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-68

Date	9/27/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-67

Date	9/27/2017
B	96
T	6.0
E	190
X	27
TPH-G	6000
TPH-D	1100
TPH-O	< 250

AG WELL

Date	9/27/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	140
TPH-O	250

MW-60

Date	9/26/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-59

Date	9/28/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	1200
TPH-D	8000
TPH-O	1000

MW-58

Date	9/26/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	960
TPH-D	4200
TPH-O	450

MW-57

Date	9/26/2017
B	38
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	1000
TPH-D	160
TPH-O	< 260

MW-56

Date	9/27/2017
B	< 100
T	110
E	2400
X	11000
TPH-G	49000
TPH-D	2800
TPH-O	< 250

MW-55

Date	9/27/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	< 100
TPH-O	< 250

MW-71

Date	9/27/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 500
TPH-D	150
TPH-O	< 250

MW-64

Date	9/27/2017
B	12
T	< 2.0
E	< 3.0
X	5.0
TPH-G	2400
TPH-D	2300
TPH-O	< 250

MW-23

Date	9/27/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	750
TPH-D	3600
TPH-O	560

NOTES:

All concentrations reported in micrograms per liter (µg/L)

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-Ox

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260

¹ = MTCA Method A Cleanup Level for TPH-Gasoline is 1000 (µg/L) if benzene is not detectable in groundwater

- = Not sampled, not measured, or not analyzed

< = Less than the stated laboratory reporting limit or method detection limit

Bolded values equal or exceed MTCA Method A Cleanup Levels

MTCA = Model Toxics Control Act

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

F1 = MS and/or MSD Recovery is outside acceptance limits.

F2 = MS/MSD RPD exceeds control limits

Figure 5B

Groundwater Analytical Data Map

9/26/2017 - 9/28/2017

Olympic Pipe Line Company

Allen Pump Station

Mount Vernon, Washington

WAALLEA271

AS_2017_F5B-Sept17 GWA.mxd

02/16/2018

Mount Vernon, WA

Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

Agricultural Well

Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'

Cascade Natural Gas Line

OPLC Pipeline

Abandoned PSE Line

Fiber Optic Line

Sample ID	MTCA Method A
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

03060

Feet

N

E

S

W

Legend

- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Agricultural Well
- Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'
- Cascade Natural Gas Line
- OPLC Pipeline
- Abandoned PSE Line
- Fiber Optic Line

Sample Data Tables:

Sample ID	MTCA Method A
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

Notes:

- All concentrations reported in micrograms per liter (µg/L)
- 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-Ox
- Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260
- ¹ = MTCA Method A Cleanup Level for TPH-Gasoline is 1000 (µg/L) if benzene is not detectable in groundwater
- = Not sampled, not measured, or not analyzed
- < = Less than the stated laboratory reporting limit or method detection limit
- Bolded values equal or exceed MTCA Method A Cleanup Levels
- MTCA = Model Toxics Control Act
- H = Sample was prepped or analyzed beyond the specified holding time
- F1 = MS and/or MSD Recovery is outside acceptance limits.
- F2 = MS/MSD RPD exceeds control limits

Figure 6A
Groundwater Analytical Data Map
11/28/2017 - 11/29/2017

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA271
AS_2017_F6A-Nov17GWA.mxd
02/16/2018

Mount Vernon, WA
anteagroup

Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

Agricultural Well

Temporary Benchmark on Ground
outside of NW Corner of Control Building;
assumed Elevation of 100'

Cascade Natural Gas Line

OPLC Pipeline

Abandoned PSE Line

Fiber Optic Line

Sample ID	MTCA Method A
Benzene (µg/L)	5
Toluene (µg/L)	1000
Ethyl-benzene (µg/L)	700
Xylenes (µg/L)	1000
TPH-Gasoline (µg/L)	800 ¹
TPH-Diesel (µg/L)	500
TPH-Oil (µg/L)	500

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

060120

Feet

N

W

E

S

MW-70

Date	11/29/2017
B	< 2.0F1
T	< 2.0F1
E	< 3.0
X	< 3.0F1
TPH-G	< 250F1
TPH-D	< 100
TPH-O	< 250

MW-61

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 250

MW-62

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 250

MW-69

Date	11/29/2017
B	< 2.0F1
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 260

MW-63

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 250

MW-68

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 250

MW-67

Date	11/29/2017
B	16
T	< 2.0
E	60
X	6.2
TPH-G	450
TPH-D	140
TPH-O	< 250

AG WELL

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	460
TPH-O	400

MW-60

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	450
TPH-O	< 250

MW-59

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	2600
TPH-D	9200
TPH-O	1400

MW-58

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	1300
TPH-D	8000
TPH-O	1700

MW-57

Date	11/29/2017
B	4.1
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	100
TPH-O	< 260

MW-56

Date	11/29/2017
B	< 40
T	< 40
E	680
X	3700
TPH-G	17000
TPH-D	1000
TPH-O	< 250

MW-55

Date	11/29/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	< 100F1
TPH-O	< 250

MW-71

Date	11/28/2017
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 250

MW-64

Date	11/28/2017
B	12
T	< 2.0
E	< 3.0
X	4.4
TPH-G	890
TPH-D	2200
TPH-O	300

NOTES:
All concentrations reported in micrograms per liter (µg/L)
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-Ox
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260
¹ = MTCA Method A Cleanup Level for TPH-Gasoline is 1000 (µg/L) if benzene is not detectable in groundwater
- = Not sampled, not measured, or not analyzed
< = Less than the stated laboratory reporting limit or method detection limit
Bolded values equal or exceed MTCA Method A Cleanup Levels
MTCA = Model Toxics Control Act
H = Sample was prepped or analyzed beyond the specified holding time
F1 = MS and/or MSD Recovery is outside acceptance limits.
F2 = MS/MSD RPD exceeds control limits

Figure 6B
Groundwater Analytical Data Map
11/28/2017 - 11/29/2017

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA271	Mount Vernon, WA	
AS_2017_F6B-Nov17GWA.mxd		
02/16/2018		





Legend

- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Agricultural Well
- Groundwater Contour
- NS Not Surveyed
- NG Not Gauged

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

04080

Feet

N

W

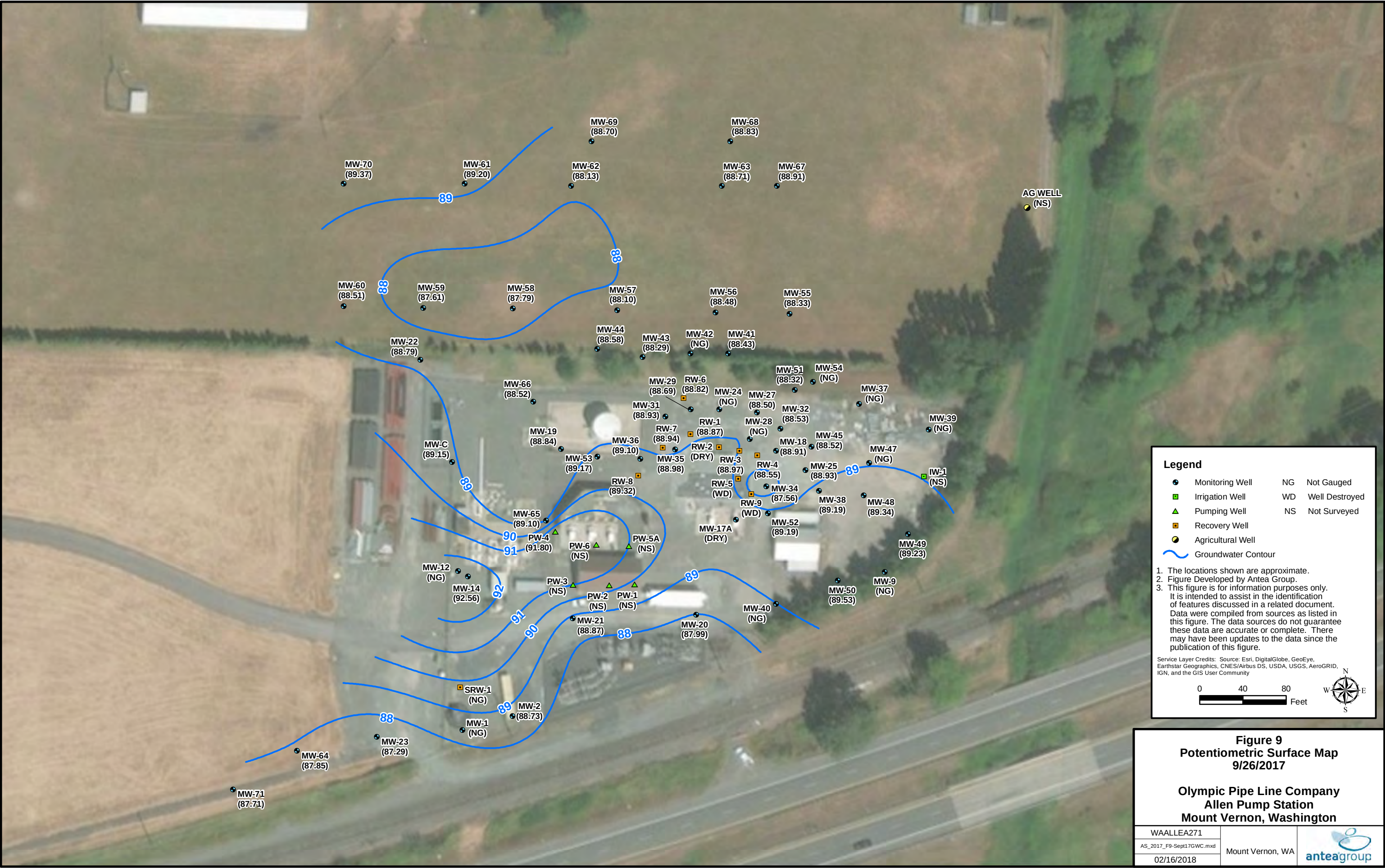
E

S

Figure 8
Potentiometric Surface Map
06/27/2017

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA161	Mount Vernon, WA	
AS_2017_F8-June17GWC.mxd		
02/16/2018		



●

Monitoring Well

■

Irrigation Well

▲

Pumping Well

□

Recovery Well

●

Agricultural Well

—

Groundwater Contour

NG

Not Gauged

WD

Well Destroyed

NS

Not Surveyed

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0

40

80

Feet

N

E

S

W

Figure 9

Potentiometric Surface Map

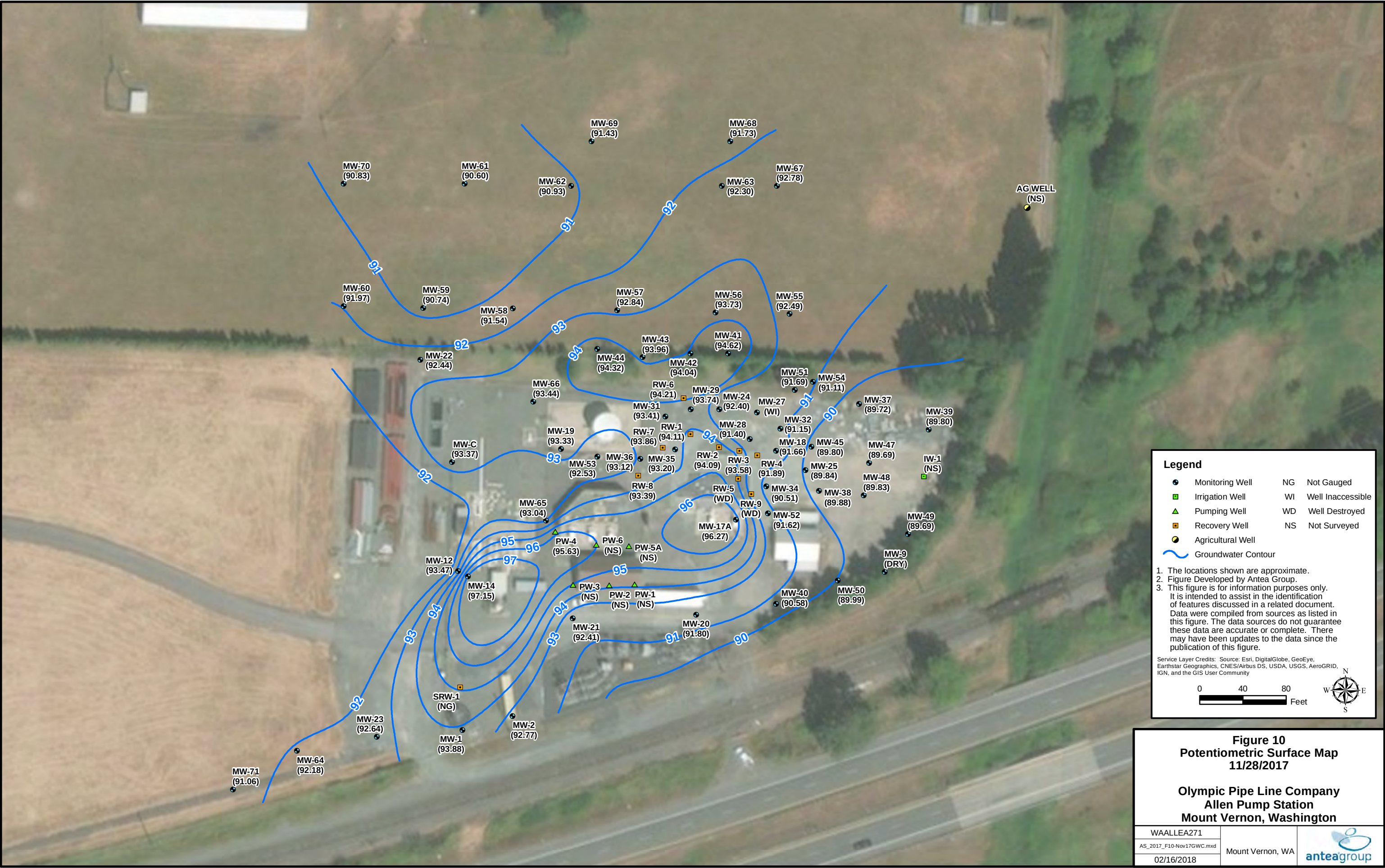
9/26/2017

Olympic Pipe Line Company

Allen Pump Station

Mount Vernon, Washington

WAALLEA271	Mount Vernon, WA	
AS_2017_F9-Sept17GWC.mxd		
02/16/2018		



Legend

	Monitoring Well	NG	Not Gauged
	Irrigation Well	WI	Well Inaccessible
	Pumping Well	WD	Well Destroyed
	Recovery Well	NS	Not Surveyed
	Agricultural Well		
	Groundwater Contour		

1. The locations shown are approximate.
2. Figure Developed by Antea Group.
3. This figure is for information purposes only. It is intended to assist in the identification of features discussed in a related document. Data were compiled from sources as listed in this figure. The data sources do not guarantee these data are accurate or complete. There may have been updates to the data since the publication of this figure.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0 40 80 Feet

N
W E
S

Figure 10
Potentiometric Surface Map
11/28/2017

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA271	Mount Vernon, WA	
AS_2017_F10-Nov17GWC.mxd		
02/16/2018		

Appendix A

Analytical Lab Reports and Chain-of-Custody Documentation

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 580-67121-1

Client Project/Site: OPLC - Allen Station
Sampling Event: Allen Station Waters
Revision: 1

For:

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

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
5/26/2017 11:53:28 AM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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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The results listed in this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BP LaMP Technical Specification, applicable federal, state and local regulation and certification requirements as well as the methodologies as described in the laboratory SOPs reviewed by the BP LaMP. This Laboratory report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.



Elaine Walker
Project Manager II
5/26/2017 11:53:28 AM

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Case Narrative

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Job ID: 580-67121-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-67121-1

Revision 1: 05/26/2017

Per email from the client on 05/16/2017, the NWTPH-Gx data for sample MW-45_20170321 (580-67121-36) was reported at 100x greater than in past sampling events. The laboratory reviewed the data and determined that the data for this sample was incorrectly reported at the wrong dilution factor. This sample data has been re-reviewed and recalculated and this report contains the corrected NWTPH-Gx data for this sample.

Receipt

Sixty-three samples were received on 3/24/2017 11:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 1.5° C, 3.6° C, 4.0° C, 4.3° C, 4.3° C and 5.2° C.

GC/MS VOA

Method(s) 8260C: The following samples were analyzed outside of analytical holding time due to laboratory error, a power outage, and some samples requiring dilutions: MW-19_20170322 (580-67121-9), Dup-1_20170321 (580-67121-11), MW-22_20170322 (580-67121-14), MW-25_20170321 (580-67121-17), MW-27_20170322 (580-67121-18), MW-27_20170322 (580-67121-18[MS]), MW-27_20170322 (580-67121-18[MSD]), MW-29_20170322 (580-67121-19), MW-31_20170322 (580-67121-20), MW-32_20170322 (580-67121-21), Dup-2_20170321 (580-67121-22), MW-35_20170322 (580-67121-24), MW-36_20170322 (580-67121-25), MW-41_20170322 (580-67121-30), MW-42_20170322 (580-67121-31), MW-43_20170322 (580-67121-32), MW-43_20170322 (580-67121-32[MS]), MW-43_20170322 (580-67121-32[MSD]), Dup-3_20170322 (580-67121-33), MW-44_20170322 (580-67121-35), MW-45_20170321 (580-67121-36), MW-48_20170321 (580-67121-38), MW-49_20170321 (580-67121-39), MW-50_20170321 (580-67121-40), MW-51_20170321 (580-67121-41), MW-52_20170321 (580-67121-42), MW-52_20170321 (580-67121-42[MS]), MW-52_20170321 (580-67121-42[MSD]), MW-53_20170322 (580-67121-43), MW-54_20170321 (580-67121-44), Dup-4_20170322 (580-67121-45), Trip Blank-4_20170321 (580-67121-46), IW-1_20170321 (580-67121-47), MW-56_20170323 (580-67121-49), MW-61_20170323 (580-67121-50) and MW-62_20170323 (580-67121-51), MW-63_20170323 (580-67121-52), MW-64_20170322 (580-67121-53) Dup-5_20170323 (580-67121-54), Trip Blank-5_20170321 (580-67121-55), MW-65_20170322 (580-67121-56) and MW-66_20170322 (580-67121-57), MW-67_20170323 (580-67121-58), MW-68_20170323 (580-67121-59), MW-69_20170323 (580-67121-60), MW-69_20170323 (580-67121-60[MS]) and MW-69_20170323 (580-67121-60[MSD]) MW-70_20170323 (580-67121-61), MW-71_20170322 (580-67121-62) and AG-WELL_20170323 (580-67121-63). The charges for these analyses have been removed.

Method(s) 8260C: The matrix spike (MS) recoveries for analytical batch 580-242244 were outside control limits for Ethylbenzene. Non-homogeneity is suspected because the matrix spike duplicate (MSD) and associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

Method(s) 8260C: The following sample was re-analyzed for analyte carry over in the initial analysis. MW-64_20170322 (580-67121-53), Dup-5_20170323 (580-67121-54), MW-67_20170323 (580-67121-58), MW-68_20170323 (580-67121-59), MW-70_20170323 (580-67121-61), MW-71_20170322 (580-67121-62) and AG-WELL_20170323 (580-67121-63).

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-18_20170321 (580-67121-8), MW-19_20170322 (580-67121-9), Dup-1_20170321 (580-67121-11), MW-21_20170321 (580-67121-13), MW-25_20170321 (580-67121-17), MW-29_20170322 (580-67121-19), MW-31_20170322 (580-67121-20), MW-32_20170322 (580-67121-21), Dup-2_20170321 (580-67121-22), MW-35_20170322 (580-67121-24), MW-36_20170322 (580-67121-25), MW-42_20170322 (580-67121-31), MW-43_20170322 (580-67121-32), MW-43_20170322 (580-67121-32[MS]), MW-43_20170322 (580-67121-32[MSD]), Dup-3_20170322 (580-67121-33), MW-44_20170322 (580-67121-35), MW-45_20170321 (580-67121-36), MW-52_20170321 (580-67121-42), MW-52_20170321 (580-67121-42[MS]), MW-52_20170321 (580-67121-42[MSD]), MW-53_20170322 (580-67121-43), Dup-4_20170322 (580-67121-45), MW-56_20170323 (580-67121-49), MW-65_20170322 (580-67121-56) and MW-66_20170322 (580-67121-57). Elevated reporting limits (RLs) are provided.

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

GC VOA

Method(s) NWTPH-Gx: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-18_20170321 (580-67121-8), Dup-1_20170321 (580-67121-11), MW-21_20170321 (580-67121-13) and MW-25_20170321 (580-67121-17). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Job ID: 580-67121-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

Method(s) NWTPH-Gx: The following samples were analyzed outside of analytical holding time due to laboratory error, a power outage, and some samples requiring dilutions: MW-12_20170322 (580-67121-5), MW-22_20170322 (580-67121-14), MW-23_20170322 (580-67121-15), MW-24_20170322 (580-67121-16), MW-25_20170321 (580-67121-17), MW-27_20170322 (580-67121-18), MW-27_20170322 (580-67121-18[MS]), MW-27_20170322 (580-67121-18[MSD]), MW-29_20170322 (580-67121-19), MW-31_20170322 (580-67121-20), MW-32_20170322 (580-67121-21), Trip Blank-2_20170321 (580-67121-23), MW-35_20170322 (580-67121-24), MW-36_20170322 (580-67121-25), MW-37_20170321 (580-67121-26), MW-38_20170321 (580-67121-27), MW-39_20170321 (580-67121-28), MW-40_20170321 (580-67121-29), W-41_20170322 (580-67121-30), MW-42_20170322 (580-67121-31), MW-43_20170322 (580-67121-32), MW-43_20170322 (580-67121-32[MS]), MW-43_20170322 (580-67121-32[MSD]), Dup-3_20170322 (580-67121-33), Trip Blank-3_20170321 (580-67121-34), M MW-44_20170322 (580-67121-35), MW-45_20170321 (580-67121-36), MW-47_20170321 (580-67121-37), MW-48_20170321 (580-67121-38), MW-49_20170321 (580-67121-39), MW-50_20170321 (580-67121-40), MW-51_20170321 (580-67121-41), MW-51_20170321 (580-67121-41[MS]), MW-51_20170321 (580-67121-41[MSD]), MW-52_20170321 (580-67121-42), MW-52_20170321 (580-67121-42[MS]) and MW-52_20170321 (580-67121-42[MSD]), MW-53_20170322 (580-67121-43), MW-54_20170321 (580-67121-44), Dup-4_20170322 (580-67121-45), Trip Blank-4_20170321 (580-67121-46), IW-1_20170321 (580-67121-47), MW-64_20170322 (580-67121-53), Trip Blank-5_20170321 (580-67121-55), MW-65_20170322 (580-67121-56), MW-66_20170322 (580-67121-57), MW-69_20170323 (580-67121-60), MW-69_20170323 (580-67121-60[MS]), MW-69_20170323 (580-67121-60[MSD]), MW-70_20170323 (580-67121-61), MW-71_20170322 (580-67121-62), and AG-WELL_20170323 (580-67121-63). The charges for these analyses have been removed.

Method(s) NWTPH-Gx: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-19_20170322 (580-67121-9), MW-31_20170322 (580-67121-20), MW-35_20170322 (580-67121-24), MW-36_20170322 (580-67121-25), MW-43_20170322 (580-67121-32), MW-43_20170322 (580-67121-32[MS]) and MW-43_20170322 (580-67121-32[MSD]) and MW-45_20170321 (580-67121-36). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: Surrogate recovery for the following samples was outside control limits: MW-52_20170321 (580-67121-42), MW-52_20170321 (580-67121-42[MS]) and MW-52_20170321 (580-67121-42[MSD]). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: the Trifluorotoluene spike was omitted from method blank MB 580-243738/4, but all other QC and samples have recovered within the %R limits for this analyte. Therefore this has been considered an anomaly and the result has been reported.

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

GC Semi VOA

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: C_20170322 (580-67121-1), MW-1_20170321 (580-67121-2), MW-2_20170321 (580-67121-3), MW-14_20170321 (580-67121-6), MW-17A_20170321 (580-67121-7), and MW-64_20170322 (580-67121-53).

Method(s) 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-18_20170321 (580-67121-8), MW-19_20170322 (580-67121-9), Dup-1_20170321 (580-67121-11), MW-21_20170321 (580-67121-13), MW-24_20170322 (580-67121-16), MW-25_20170321 (580-67121-17), MW-27_20170322 (580-67121-18), MW-29_20170322 (580-67121-19), MW-31_20170322 (580-67121-20), MW-32_20170322 (580-67121-21), Dup-2_20170321 (580-67121-22), MW-35_20170322 (580-67121-24), MW-36_20170322 (580-67121-25), MW-38_20170321 (580-67121-27), MW-42_20170322 (580-67121-31), MW-43_20170322 (580-67121-32), Dup-3_20170322 (580-67121-33), MW-44_20170322 (580-67121-35), MW-45_20170321 (580-67121-36), MW-48_20170321 (580-67121-38), MW-52_20170321 (580-67121-42), MW-53_20170322 (580-67121-43), Dup-4_20170322 (580-67121-45), MW-56_20170323 (580-67121-49), MW-64_20170322 (580-67121-53), MW-65_20170322 (580-67121-56) and MW-66_20170322 (580-67121-57).

Method(s) NWTPH-Dx: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 580-242237 and analytical batch 580-242321 were outside control limits for Diesel. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) NWTPH-Dx: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 580-242130 and

Case Narrative

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Job ID: 580-67121-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

analytical batch 580-242207 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method(s) NWTPH-Dx: The following sample(s) was re-prepared outside of preparation holding time due to failing surrogate in the original extractin. Both sets of data have been reported. MW-47_20170321 (580-67121-37).

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

Organic Prep

Method(s) 3510C: Sample needed to be re-extracted due to low surrogate recovery.
MW-47_20170321 (580-67121-37)

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

Definitions/Glossary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: C_20170322

Date Collected: 03/22/17 11:30

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/05/17 17:01	1
Toluene	ND		2.0		ug/L			04/05/17 17:01	1
Ethylbenzene	ND		3.0		ug/L			04/05/17 17:01	1
Xylenes, Total	ND		3.0		ug/L			04/05/17 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		80 - 141		04/05/17 17:01	1
Toluene-d8 (Surr)	97		82 - 122		04/05/17 17:01	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/05/17 17:01	1
4-Bromofluorobenzene (Surr)	110		75 - 125		04/05/17 17:01	1
Dibromofluoromethane (Surr)	101		77 - 118		04/05/17 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/05/17 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/05/17 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	120		110		ug/L		04/04/17 11:08	04/04/17 23:53	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/04/17 11:08	04/04/17 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	04/04/17 11:08	04/04/17 23:53	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-1_20170321

Date Collected: 03/21/17 08:00

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 14:59	1
Toluene	ND		2.0		ug/L			04/04/17 14:59	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 14:59	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/04/17 14:59	1
Toluene-d8 (Surr)	100		82 - 122		04/04/17 14:59	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 14:59	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/04/17 14:59	1
Dibromofluoromethane (Surr)	99		77 - 118		04/04/17 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	109		50 - 150		04/04/17 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	170		110		ug/L		04/04/17 09:18	04/04/17 15:46	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	04/04/17 09:18	04/04/17 15:46	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-2_20170321

Date Collected: 03/21/17 08:20

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 15:26	1
Toluene	ND		2.0		ug/L			04/04/17 15:26	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 15:26	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/04/17 15:26	1
Toluene-d8 (Surr)	101		82 - 122		04/04/17 15:26	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/04/17 15:26	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/04/17 15:26	1
Dibromofluoromethane (Surr)	98		77 - 118		04/04/17 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		50 - 150		04/04/17 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	450		110		ug/L		04/04/17 09:18	04/04/17 16:12	1
Motor Oil (>C24-C36)	270		250		ug/L		04/04/17 09:18	04/04/17 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	04/04/17 09:18	04/04/17 16:12	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-9_20170321

Lab Sample ID: 580-67121-4

Date Collected: 03/21/17 10:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 15:53	1
Toluene	ND		2.0		ug/L			04/04/17 15:53	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 15:53	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/04/17 15:53	1
Toluene-d8 (Surr)	102		82 - 122		04/04/17 15:53	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/04/17 15:53	1
4-Bromofluorobenzene (Surr)	103		75 - 125		04/04/17 15:53	1
Dibromofluoromethane (Surr)	102		77 - 118		04/04/17 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		50 - 150		04/04/17 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/04/17 16:37	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	04/04/17 09:18	04/04/17 16:37	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-12_20170322

Lab Sample ID: 580-67121-5

Date Collected: 03/22/17 11:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/05/17 17:28	1
Toluene	ND		2.0		ug/L			04/05/17 17:28	1
Ethylbenzene	ND		3.0		ug/L			04/05/17 17:28	1
Xylenes, Total	ND		3.0		ug/L			04/05/17 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		80 - 141		04/05/17 17:28	1
Toluene-d8 (Surr)	96		82 - 122		04/05/17 17:28	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/05/17 17:28	1
4-Bromofluorobenzene (Surr)	108		75 - 125		04/05/17 17:28	1
Dibromofluoromethane (Surr)	101		77 - 118		04/05/17 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/20/17 07:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		50 - 150		04/20/17 07:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 11:08	04/05/17 00:15	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 11:08	04/05/17 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	04/04/17 11:08	04/05/17 00:15	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-14_20170321

Lab Sample ID: 580-67121-6

Date Collected: 03/21/17 11:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 16:20	1
Toluene	ND		2.0		ug/L			04/04/17 16:20	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 16:20	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/04/17 16:20	1
Toluene-d8 (Surr)	99		82 - 122		04/04/17 16:20	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143		04/04/17 16:20	1
4-Bromofluorobenzene (Surr)	100		75 - 125		04/04/17 16:20	1
Dibromofluoromethane (Surr)	100		77 - 118		04/04/17 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		50 - 150		04/04/17 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	130		110		ug/L		04/04/17 09:18	04/04/17 17:03	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	04/04/17 09:18	04/04/17 17:03	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-17A_20170321

Lab Sample ID: 580-67121-7

Date Collected: 03/21/17 15:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 16:47	1
Toluene	ND		2.0		ug/L			04/04/17 16:47	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 16:47	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 141		04/04/17 16:47	1
Toluene-d8 (Surr)	99		82 - 122		04/04/17 16:47	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143		04/04/17 16:47	1
4-Bromofluorobenzene (Surr)	100		75 - 125		04/04/17 16:47	1
Dibromofluoromethane (Surr)	101		77 - 118		04/04/17 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		50 - 150		04/04/17 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	380		110		ug/L		04/04/17 09:18	04/04/17 17:29	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	04/04/17 09:18	04/04/17 17:29	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-18_20170321

Lab Sample ID: 580-67121-8

Date Collected: 03/21/17 16:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		50		ug/L			04/04/17 22:37	25
Toluene	ND		50		ug/L			04/04/17 22:37	25
Ethylbenzene	1300		75		ug/L			04/04/17 22:37	25
Xylenes, Total	1800		75		ug/L			04/04/17 22:37	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/04/17 22:37	25
Toluene-d8 (Surr)	99		82 - 122		04/04/17 22:37	25
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 22:37	25
4-Bromofluorobenzene (Surr)	105		75 - 125		04/04/17 22:37	25
Dibromofluoromethane (Surr)	101		77 - 118		04/04/17 22:37	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	24000		1300		ug/L			04/04/17 21:49	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/04/17 21:49	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5300		110		ug/L		04/04/17 09:18	04/04/17 17:55	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	04/04/17 09:18	04/04/17 17:55	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-19_20170322

Lab Sample ID: 580-67121-9

Date Collected: 03/22/17 10:50

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	8.0		2.0		ug/L			04/05/17 17:55	1
Xylenes, Total	71		3.0		ug/L			04/05/17 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		80 - 141					04/05/17 17:55	1
Toluene-d8 (Surr)	98		82 - 122					04/05/17 17:55	1
1,2-Dichloroethane-d4 (Surr)	99		65 - 143					04/05/17 17:55	1
4-Bromofluorobenzene (Surr)	111		75 - 125					04/05/17 17:55	1
Dibromofluoromethane (Surr)	103		77 - 118					04/05/17 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	440	H	50		ug/L			04/12/17 01:22	25
Ethylbenzene	1300	H	75		ug/L			04/12/17 01:22	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141					04/12/17 01:22	25
Toluene-d8 (Surr)	105		82 - 122					04/12/17 01:22	25
1,2-Dichloroethane-d4 (Surr)	105		65 - 143					04/12/17 01:22	25
4-Bromofluorobenzene (Surr)	106		75 - 125					04/12/17 01:22	25
Dibromofluoromethane (Surr)	102		77 - 118					04/12/17 01:22	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	91000		500		ug/L			04/05/17 14:05	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		50 - 150					04/05/17 14:05	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4400		110		ug/L		04/04/17 11:08	04/05/17 00:37	1
Motor Oil (>C24-C36)	410		260		ug/L		04/04/17 11:08	04/05/17 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150				04/04/17 11:08	04/05/17 00:37	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-20_20170321

Lab Sample ID: 580-67121-10

Date Collected: 03/21/17 09:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 17:14	1
Toluene	ND		2.0		ug/L			04/04/17 17:14	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 17:14	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 141		04/04/17 17:14	1
Toluene-d8 (Surr)	99		82 - 122		04/04/17 17:14	1
1,2-Dichloroethane-d4 (Surr)	104		65 - 143		04/04/17 17:14	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/04/17 17:14	1
Dibromofluoromethane (Surr)	101		77 - 118		04/04/17 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		50 - 150		04/04/17 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/04/17 18:21	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	04/04/17 09:18	04/04/17 18:21	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Dup-1_20170321

Lab Sample ID: 580-67121-11

Date Collected: 03/21/17 06:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	3.5		2.0		ug/L			04/04/17 17:41	1
Xylenes, Total	31		3.0		ug/L			04/04/17 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 141					04/04/17 17:41	1
Toluene-d8 (Surr)	97		82 - 122					04/04/17 17:41	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143					04/04/17 17:41	1
4-Bromofluorobenzene (Surr)	104		75 - 125					04/04/17 17:41	1
Dibromofluoromethane (Surr)	101		77 - 118					04/04/17 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	230	H	50		ug/L			04/12/17 01:49	25
Ethylbenzene	1300	H	75		ug/L			04/12/17 01:49	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141					04/12/17 01:49	25
Toluene-d8 (Surr)	105		82 - 122					04/12/17 01:49	25
1,2-Dichloroethane-d4 (Surr)	103		65 - 143					04/12/17 01:49	25
4-Bromofluorobenzene (Surr)	102		75 - 125					04/12/17 01:49	25
Dibromofluoromethane (Surr)	99		77 - 118					04/12/17 01:49	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	12000		500		ug/L			04/04/17 22:20	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150					04/04/17 22:20	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5000		110		ug/L		04/04/17 09:18	04/04/17 19:13	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150				04/04/17 09:18	04/04/17 19:13	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Trip Blank-1_20170321

Lab Sample ID: 580-67121-12

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 14:32	1
Toluene	ND		2.0		ug/L			04/04/17 14:32	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 14:32	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141		04/04/17 14:32	1
Toluene-d8 (Surr)	101		82 - 122		04/04/17 14:32	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/04/17 14:32	1
4-Bromofluorobenzene (Surr)	101		75 - 125		04/04/17 14:32	1
Dibromofluoromethane (Surr)	101		77 - 118		04/04/17 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		50 - 150		04/04/17 14:42	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-21_20170321

Lab Sample ID: 580-67121-13

Date Collected: 03/21/17 08:40

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	49		20		ug/L			04/04/17 21:43	10
Toluene	ND		20		ug/L			04/04/17 21:43	10
Ethylbenzene	750		30		ug/L			04/04/17 21:43	10
Xylenes, Total	270		30		ug/L			04/04/17 21:43	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/04/17 21:43	10
Toluene-d8 (Surr)	98		82 - 122		04/04/17 21:43	10
1,2-Dichloroethane-d4 (Surr)	98		65 - 143		04/04/17 21:43	10
4-Bromofluorobenzene (Surr)	114		75 - 125		04/04/17 21:43	10
Dibromofluoromethane (Surr)	100		77 - 118		04/04/17 21:43	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	12000		500		ug/L			04/04/17 22:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/04/17 22:51	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5200		110		ug/L		04/04/17 09:18	04/04/17 19:38	1
Motor Oil (>C24-C36)	310		260		ug/L		04/04/17 09:18	04/04/17 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	04/04/17 09:18	04/04/17 19:38	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-22_20170322

Lab Sample ID: 580-67121-14

Date Collected: 03/22/17 14:35

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/05/17 18:22	1
Toluene	ND		2.0		ug/L			04/05/17 18:22	1
Xylenes, Total	7.3		3.0		ug/L			04/05/17 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		80 - 141		04/05/17 18:22	1
Toluene-d8 (Surr)	96		82 - 122		04/05/17 18:22	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/05/17 18:22	1
4-Bromofluorobenzene (Surr)	110		75 - 125		04/05/17 18:22	1
Dibromofluoromethane (Surr)	103		77 - 118		04/05/17 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	H	3.0		ug/L			04/12/17 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/12/17 00:55	1
Toluene-d8 (Surr)	105		82 - 122		04/12/17 00:55	1
1,2-Dichloroethane-d4 (Surr)	105		65 - 143		04/12/17 00:55	1
4-Bromofluorobenzene (Surr)	100		75 - 125		04/12/17 00:55	1
Dibromofluoromethane (Surr)	98		77 - 118		04/12/17 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1000	H	50		ug/L			04/21/17 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	109		50 - 150		04/21/17 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1500		110		ug/L		04/04/17 11:08	04/05/17 00:59	1
Motor Oil (>C24-C36)	360		250		ug/L		04/04/17 11:08	04/05/17 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	04/04/17 11:08	04/05/17 00:59	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-23_20170322

Lab Sample ID: 580-67121-15

Date Collected: 03/22/17 11:45

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/05/17 18:49	1
Toluene	ND		2.0		ug/L			04/05/17 18:49	1
Ethylbenzene	ND		3.0		ug/L			04/05/17 18:49	1
Xylenes, Total	ND		3.0		ug/L			04/05/17 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		80 - 141		04/05/17 18:49	1
Toluene-d8 (Surr)	96		82 - 122		04/05/17 18:49	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/05/17 18:49	1
4-Bromofluorobenzene (Surr)	110		75 - 125		04/05/17 18:49	1
Dibromofluoromethane (Surr)	104		77 - 118		04/05/17 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1300	H	50		ug/L			04/21/17 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		50 - 150		04/21/17 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3700		110		ug/L		04/04/17 11:08	04/05/17 01:22	1
Motor Oil (>C24-C36)	630		250		ug/L		04/04/17 11:08	04/05/17 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	04/04/17 11:08	04/05/17 01:22	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-24_20170322

Lab Sample ID: 580-67121-16

Date Collected: 03/22/17 09:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19		2.0		ug/L			04/05/17 19:16	1
Toluene	ND		2.0		ug/L			04/05/17 19:16	1
Ethylbenzene	57		3.0		ug/L			04/05/17 19:16	1
Xylenes, Total	21		3.0		ug/L			04/05/17 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		80 - 141		04/05/17 19:16	1
Toluene-d8 (Surr)	98		82 - 122		04/05/17 19:16	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/05/17 19:16	1
4-Bromofluorobenzene (Surr)	109		75 - 125		04/05/17 19:16	1
Dibromofluoromethane (Surr)	105		77 - 118		04/05/17 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2600	H	50		ug/L			04/21/17 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		50 - 150		04/21/17 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1400		110		ug/L		04/04/17 11:08	04/05/17 01:44	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/04/17 11:08	04/05/17 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	04/04/17 11:08	04/05/17 01:44	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-25_20170321

Lab Sample ID: 580-67121-17

Date Collected: 03/21/17 14:40

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	350		20		ug/L			04/04/17 22:10	10
Toluene	ND		20		ug/L			04/04/17 22:10	10
Xylenes, Total	ND		30		ug/L			04/04/17 22:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/04/17 22:10	10
Toluene-d8 (Surr)	99		82 - 122		04/04/17 22:10	10
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 22:10	10
4-Bromofluorobenzene (Surr)	120		75 - 125		04/04/17 22:10	10
Dibromofluoromethane (Surr)	100		77 - 118		04/04/17 22:10	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1200	H	300		ug/L			04/12/17 02:16	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141		04/12/17 02:16	100
Toluene-d8 (Surr)	105		82 - 122		04/12/17 02:16	100
1,2-Dichloroethane-d4 (Surr)	105		65 - 143		04/12/17 02:16	100
4-Bromofluorobenzene (Surr)	103		75 - 125		04/12/17 02:16	100
Dibromofluoromethane (Surr)	101		77 - 118		04/12/17 02:16	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9300	H	500		ug/L			04/05/17 23:21	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		50 - 150		04/05/17 23:21	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4100		110		ug/L		04/04/17 09:18	04/04/17 20:03	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/04/17 09:18	04/04/17 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	04/04/17 09:18	04/04/17 20:03	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-27_20170322

Lab Sample ID: 580-67121-18

Date Collected: 03/22/17 09:05

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5	H	2.0		ug/L			04/13/17 21:50	1
Toluene	ND	H	2.0		ug/L			04/13/17 21:50	1
Ethylbenzene	52	H	3.0		ug/L			04/13/17 21:50	1
Xylenes, Total	9.2	H	3.0		ug/L			04/13/17 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/13/17 21:50	1
Toluene-d8 (Surr)	102		82 - 122		04/13/17 21:50	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143		04/13/17 21:50	1
4-Bromofluorobenzene (Surr)	101		75 - 125		04/13/17 21:50	1
Dibromofluoromethane (Surr)	102		77 - 118		04/13/17 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4400	H	50		ug/L			04/22/17 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/22/17 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1900	F1	110		ug/L		04/04/17 11:08	04/05/17 02:06	1
Motor Oil (>C24-C36)	ND	F1 F2	250		ug/L		04/04/17 11:08	04/05/17 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	04/04/17 11:08	04/05/17 02:06	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-29_20170322

Lab Sample ID: 580-67121-19

Date Collected: 03/22/17 09:35

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	35		2.0		ug/L			04/05/17 19:42	1
Toluene	3.7		2.0		ug/L			04/05/17 19:42	1
Xylenes, Total	180		3.0		ug/L			04/05/17 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		80 - 141					04/05/17 19:42	1
Toluene-d8 (Surr)	97		82 - 122					04/05/17 19:42	1
1,2-Dichloroethane-d4 (Surr)	99		65 - 143					04/05/17 19:42	1
4-Bromofluorobenzene (Surr)	110		75 - 125					04/05/17 19:42	1
Dibromofluoromethane (Surr)	101		77 - 118					04/05/17 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	83	H	30		ug/L			04/12/17 02:43	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141					04/12/17 02:43	10
Toluene-d8 (Surr)	104		82 - 122					04/12/17 02:43	10
1,2-Dichloroethane-d4 (Surr)	106		65 - 143					04/12/17 02:43	10
4-Bromofluorobenzene (Surr)	100		75 - 125					04/12/17 02:43	10
Dibromofluoromethane (Surr)	98		77 - 118					04/12/17 02:43	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1700	H	50		ug/L			04/21/17 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		50 - 150					04/21/17 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	370		110		ug/L		04/04/17 11:08	04/05/17 03:34	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 11:08	04/05/17 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150				04/04/17 11:08	04/05/17 03:34	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-31_20170322

Lab Sample ID: 580-67121-20

Date Collected: 03/22/17 09:55

Matrix: Water

Date Received: 03/24/17 11:10

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141		04/13/17 04:38	250
Toluene-d8 (Surr)	104		82 - 122		04/13/17 04:38	250
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/13/17 04:38	250
4-Bromofluorobenzene (Surr)	100		75 - 125		04/13/17 04:38	250
Dibromofluoromethane (Surr)	102		77 - 118		04/13/17 04:38	250

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1900	H	100		ug/L			04/12/17 03:10	50
Toluene	450	H	100		ug/L			04/12/17 03:10	50
Ethylbenzene	2900	H	150		ug/L			04/12/17 03:10	50
Xylenes, Total	12000	H	150		ug/L			04/12/17 03:10	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/12/17 03:10	50
Toluene-d8 (Surr)	106		82 - 122		04/12/17 03:10	50
1,2-Dichloroethane-d4 (Surr)	106		65 - 143		04/12/17 03:10	50
4-Bromofluorobenzene (Surr)	103		75 - 125		04/12/17 03:10	50
Dibromofluoromethane (Surr)	97		77 - 118		04/12/17 03:10	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	59000	H	5000		ug/L			04/24/17 15:07	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		50 - 150		04/24/17 15:07	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4100		110		ug/L		04/04/17 11:08	04/05/17 03:56	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 11:08	04/05/17 03:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	04/04/17 11:08	04/05/17 03:56	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-32_20170322

Lab Sample ID: 580-67121-21

Date Collected: 03/22/17 09:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	28	H	20		ug/L			04/12/17 03:37	10
Toluene	ND	H	20		ug/L			04/12/17 03:37	10
Ethylbenzene	520	H	30		ug/L			04/12/17 03:37	10
Xylenes, Total	ND	H	30		ug/L			04/12/17 03:37	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141		04/12/17 03:37	10
Toluene-d8 (Surr)	105		82 - 122		04/12/17 03:37	10
1,2-Dichloroethane-d4 (Surr)	106		65 - 143		04/12/17 03:37	10
4-Bromofluorobenzene (Surr)	102		75 - 125		04/12/17 03:37	10
Dibromofluoromethane (Surr)	99		77 - 118		04/12/17 03:37	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9700	H	50		ug/L			04/21/17 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/21/17 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3600		110		ug/L		04/04/17 11:08	04/05/17 04:19	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 11:08	04/05/17 04:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	04/04/17 11:08	04/05/17 04:19	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Dup-2_20170321

Lab Sample ID: 580-67121-22

Date Collected: 03/21/17 06:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2.4		2.0		ug/L			04/04/17 18:08	1
Xylenes, Total	4.9		3.0		ug/L			04/04/17 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		80 - 141					04/04/17 18:08	1
Toluene-d8 (Surr)	98		82 - 122					04/04/17 18:08	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143					04/04/17 18:08	1
4-Bromofluorobenzene (Surr)	105		75 - 125					04/04/17 18:08	1
Dibromofluoromethane (Surr)	101		77 - 118					04/04/17 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	20		ug/L			04/12/17 04:04	10
Ethylbenzene	280	H	30		ug/L			04/12/17 04:04	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141					04/12/17 04:04	10
Toluene-d8 (Surr)	105		82 - 122					04/12/17 04:04	10
1,2-Dichloroethane-d4 (Surr)	103		65 - 143					04/12/17 04:04	10
4-Bromofluorobenzene (Surr)	102		75 - 125					04/12/17 04:04	10
Dibromofluoromethane (Surr)	99		77 - 118					04/12/17 04:04	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6000		50		ug/L			04/04/17 20:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		50 - 150					04/04/17 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3600		110		ug/L		04/04/17 09:18	04/04/17 20:28	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150				04/04/17 09:18	04/04/17 20:28	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Trip Blank-2_20170321

Lab Sample ID: 580-67121-23

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 18:34	1
Toluene	ND		2.0		ug/L			04/04/17 18:34	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 18:34	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/04/17 18:34	1
Toluene-d8 (Surr)	97		82 - 122		04/04/17 18:34	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 18:34	1
4-Bromofluorobenzene (Surr)	106		75 - 125		04/04/17 18:34	1
Dibromofluoromethane (Surr)	103		77 - 118		04/04/17 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		50 - 150		04/05/17 05:58	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-35_20170322

Lab Sample ID: 580-67121-24

Date Collected: 03/22/17 09:50

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11000	H	500		ug/L			04/13/17 04:58	250
Toluene	10000	H	500		ug/L			04/13/17 04:58	250
Ethylbenzene	2800	H	150		ug/L			04/12/17 04:30	50
Xylenes, Total	8900	H	150		ug/L			04/12/17 04:30	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141		04/12/17 04:30	50
Trifluorotoluene (Surr)	97		80 - 141		04/13/17 04:58	250
Toluene-d8 (Surr)	103		82 - 122		04/12/17 04:30	50
Toluene-d8 (Surr)	103		82 - 122		04/13/17 04:58	250
1,2-Dichloroethane-d4 (Surr)	104		65 - 143		04/12/17 04:30	50
1,2-Dichloroethane-d4 (Surr)	105		65 - 143		04/13/17 04:58	250
4-Bromofluorobenzene (Surr)	103		75 - 125		04/12/17 04:30	50
4-Bromofluorobenzene (Surr)	103		75 - 125		04/13/17 04:58	250
Dibromofluoromethane (Surr)	99		77 - 118		04/12/17 04:30	50
Dibromofluoromethane (Surr)	97		77 - 118		04/13/17 04:58	250

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	91000	H	10000		ug/L			04/24/17 15:39	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		50 - 150		04/24/17 15:39	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	6100		110		ug/L		04/05/17 09:42	04/05/17 19:27	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	04/05/17 09:42	04/05/17 19:27	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-36_20170322

Lab Sample ID: 580-67121-25

Date Collected: 03/22/17 10:15

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5800	H	400		ug/L			04/13/17 05:25	200
Toluene	ND	H	100		ug/L			04/12/17 04:57	50
Ethylbenzene	2900	H	150		ug/L			04/12/17 04:57	50
Xylenes, Total	8400	H	150		ug/L			04/12/17 04:57	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/12/17 04:57	50
Trifluorotoluene (Surr)	99		80 - 141		04/13/17 05:25	200
Toluene-d8 (Surr)	105		82 - 122		04/12/17 04:57	50
Toluene-d8 (Surr)	105		82 - 122		04/13/17 05:25	200
1,2-Dichloroethane-d4 (Surr)	105		65 - 143		04/12/17 04:57	50
1,2-Dichloroethane-d4 (Surr)	108		65 - 143		04/13/17 05:25	200
4-Bromofluorobenzene (Surr)	104		75 - 125		04/12/17 04:57	50
4-Bromofluorobenzene (Surr)	102		75 - 125		04/13/17 05:25	200
Dibromofluoromethane (Surr)	101		77 - 118		04/12/17 04:57	50
Dibromofluoromethane (Surr)	100		77 - 118		04/13/17 05:25	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	46000	H	5000		ug/L			04/24/17 16:12	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		50 - 150		04/24/17 16:12	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4200		110		ug/L		04/05/17 09:42	04/05/17 19:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	04/05/17 09:42	04/05/17 19:52	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-37_20170321

Lab Sample ID: 580-67121-26

Date Collected: 03/21/17 14:35

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 19:01	1
Toluene	ND		2.0		ug/L			04/04/17 19:01	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 19:01	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/04/17 19:01	1
Toluene-d8 (Surr)	99		82 - 122		04/04/17 19:01	1
1,2-Dichloroethane-d4 (Surr)	98		65 - 143		04/04/17 19:01	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/04/17 19:01	1
Dibromofluoromethane (Surr)	100		77 - 118		04/04/17 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		50 - 150		04/05/17 08:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/04/17 20:53	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	04/04/17 09:18	04/04/17 20:53	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-38_20170321

Lab Sample ID: 580-67121-27

Date Collected: 03/21/17 14:20

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.0		2.0		ug/L			04/04/17 19:28	1
Toluene	ND		2.0		ug/L			04/04/17 19:28	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 19:28	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		80 - 141		04/04/17 19:28	1
Toluene-d8 (Surr)	99		82 - 122		04/04/17 19:28	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/04/17 19:28	1
4-Bromofluorobenzene (Surr)	103		75 - 125		04/04/17 19:28	1
Dibromofluoromethane (Surr)	100		77 - 118		04/04/17 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	150	H	50		ug/L			04/05/17 08:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/05/17 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	140		110		ug/L		04/04/17 09:18	04/04/17 21:19	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	04/04/17 09:18	04/04/17 21:19	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-39_20170321

Lab Sample ID: 580-67121-28

Date Collected: 03/21/17 14:15

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 19:55	1
Toluene	ND		2.0		ug/L			04/04/17 19:55	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 19:55	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		80 - 141		04/04/17 19:55	1
Toluene-d8 (Surr)	98		82 - 122		04/04/17 19:55	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 19:55	1
4-Bromofluorobenzene (Surr)	102		75 - 125		04/04/17 19:55	1
Dibromofluoromethane (Surr)	100		77 - 118		04/04/17 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 09:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/05/17 09:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/04/17 21:43	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	04/04/17 09:18	04/04/17 21:43	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-40_20170321

Lab Sample ID: 580-67121-29

Date Collected: 03/21/17 09:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 20:22	1
Toluene	ND		2.0		ug/L			04/04/17 20:22	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 20:22	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		80 - 141		04/04/17 20:22	1
Toluene-d8 (Surr)	99		82 - 122		04/04/17 20:22	1
1,2-Dichloroethane-d4 (Surr)	99		65 - 143		04/04/17 20:22	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/04/17 20:22	1
Dibromofluoromethane (Surr)	100		77 - 118		04/04/17 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 10:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		50 - 150		04/05/17 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/04/17 22:08	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	04/04/17 09:18	04/04/17 22:08	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-41_20170322

Lab Sample ID: 580-67121-30

Date Collected: 03/22/17 14:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/12/17 00:01	1
Toluene	ND	H	2.0		ug/L			04/12/17 00:01	1
Ethylbenzene	ND	H	3.0		ug/L			04/12/17 00:01	1
Xylenes, Total	ND	H	3.0		ug/L			04/12/17 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 141		04/12/17 00:01	1
Toluene-d8 (Surr)	105		82 - 122		04/12/17 00:01	1
1,2-Dichloroethane-d4 (Surr)	108		65 - 143		04/12/17 00:01	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/12/17 00:01	1
Dibromofluoromethane (Surr)	96		77 - 118		04/12/17 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	210	H	50		ug/L			04/21/17 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	88		50 - 150		04/21/17 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 09:42	04/05/17 20:17	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/05/17 09:42	04/05/17 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150	04/05/17 09:42	04/05/17 20:17	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-42_20170322

Lab Sample ID: 580-67121-31

Date Collected: 03/22/17 14:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	17		2.0		ug/L			04/05/17 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	118		80 - 141					04/05/17 22:25	1
Toluene-d8 (Surr)	95		82 - 122					04/05/17 22:25	1
1,2-Dichloroethane-d4 (Surr)	99		65 - 143					04/05/17 22:25	1
4-Bromofluorobenzene (Surr)	117		75 - 125					04/05/17 22:25	1
Dibromofluoromethane (Surr)	101		77 - 118					04/05/17 22:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	820	H	50		ug/L			04/12/17 05:25	25
Ethylbenzene	2000	H	75		ug/L			04/12/17 05:25	25
Xylenes, Total	2200	H	75		ug/L			04/12/17 05:25	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141					04/12/17 05:25	25
Toluene-d8 (Surr)	104		82 - 122					04/12/17 05:25	25
1,2-Dichloroethane-d4 (Surr)	105		65 - 143					04/12/17 05:25	25
4-Bromofluorobenzene (Surr)	102		75 - 125					04/12/17 05:25	25
Dibromofluoromethane (Surr)	98		77 - 118					04/12/17 05:25	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	23000	H	50		ug/L			04/21/17 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123		50 - 150					04/21/17 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3400		110		ug/L		04/05/17 09:42	04/05/17 20:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150				04/05/17 09:42	04/05/17 20:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-43_20170322

Lab Sample ID: 580-67121-32

Date Collected: 03/22/17 14:50

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	200		ug/L			04/13/17 07:39	100
Toluene	ND	H	200		ug/L			04/13/17 07:39	100
Ethylbenzene	ND	H	300		ug/L			04/13/17 07:39	100
Xylenes, Total	660	H	300		ug/L			04/13/17 07:39	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/13/17 07:39	100
Toluene-d8 (Surr)	102		82 - 122		04/13/17 07:39	100
1,2-Dichloroethane-d4 (Surr)	110		65 - 143		04/13/17 07:39	100
4-Bromofluorobenzene (Surr)	101		75 - 125		04/13/17 07:39	100
Dibromofluoromethane (Surr)	100		77 - 118		04/13/17 07:39	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	26000	H	1300		ug/L			04/26/17 17:10	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		50 - 150		04/26/17 17:10	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4900	F1	110		ug/L		04/05/17 09:42	04/05/17 21:31	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	04/05/17 09:42	04/05/17 21:31	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Dup-3_20170322

Lab Sample ID: 580-67121-33

Date Collected: 03/22/17 06:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	7.3		2.0		ug/L			04/05/17 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	115		80 - 141					04/05/17 22:52	1
Toluene-d8 (Surr)	96		82 - 122					04/05/17 22:52	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143					04/05/17 22:52	1
4-Bromofluorobenzene (Surr)	118		75 - 125					04/05/17 22:52	1
Dibromofluoromethane (Surr)	102		77 - 118					04/05/17 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	26	H	20		ug/L			04/12/17 05:52	10
Ethylbenzene	450	H	30		ug/L			04/12/17 05:52	10
Xylenes, Total	ND	H	30		ug/L			04/12/17 05:52	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141					04/12/17 05:52	10
Toluene-d8 (Surr)	105		82 - 122					04/12/17 05:52	10
1,2-Dichloroethane-d4 (Surr)	105		65 - 143					04/12/17 05:52	10
4-Bromofluorobenzene (Surr)	104		75 - 125					04/12/17 05:52	10
Dibromofluoromethane (Surr)	99		77 - 118					04/12/17 05:52	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9900	H	50		ug/L			04/21/17 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	118		50 - 150					04/21/17 22:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3400		110		ug/L		04/05/17 09:42	04/05/17 22:45	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150				04/05/17 09:42	04/05/17 22:45	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Trip Blank-3_20170321

Lab Sample ID: 580-67121-34

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 14:05	1
Toluene	ND		2.0		ug/L			04/04/17 14:05	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 14:05	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/04/17 14:05	1
Toluene-d8 (Surr)	102		82 - 122		04/04/17 14:05	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 14:05	1
4-Bromofluorobenzene (Surr)	100		75 - 125		04/04/17 14:05	1
Dibromofluoromethane (Surr)	98		77 - 118		04/04/17 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 06:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		50 - 150		04/05/17 06:28	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-44_20170322

Lab Sample ID: 580-67121-35

Date Collected: 03/22/17 15:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.5		2.0		ug/L			04/05/17 23:19	1
Xylenes, Total	91		3.0		ug/L			04/05/17 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	116		80 - 141					04/05/17 23:19	1
Toluene-d8 (Surr)	96		82 - 122					04/05/17 23:19	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143					04/05/17 23:19	1
4-Bromofluorobenzene (Surr)	115		75 - 125					04/05/17 23:19	1
Dibromofluoromethane (Surr)	102		77 - 118					04/05/17 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	20		ug/L			04/12/17 06:19	10
Ethylbenzene	580	H	30		ug/L			04/12/17 06:19	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141					04/12/17 06:19	10
Toluene-d8 (Surr)	105		82 - 122					04/12/17 06:19	10
1,2-Dichloroethane-d4 (Surr)	107		65 - 143					04/12/17 06:19	10
4-Bromofluorobenzene (Surr)	106		75 - 125					04/12/17 06:19	10
Dibromofluoromethane (Surr)	99		77 - 118					04/12/17 06:19	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	8000	H	50		ug/L			04/21/17 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		50 - 150					04/21/17 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800		110		ug/L		04/05/17 09:42	04/05/17 23:10	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150				04/05/17 09:42	04/05/17 23:10	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-45_20170321

Lab Sample ID: 580-67121-36

Date Collected: 03/21/17 15:15

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.2		2.0		ug/L			04/04/17 20:49	1
Toluene	2.4		2.0		ug/L			04/04/17 20:49	1
Xylenes, Total	4.8		3.0		ug/L			04/04/17 20:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		80 - 141		04/04/17 20:49	1
Toluene-d8 (Surr)	98		82 - 122		04/04/17 20:49	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/04/17 20:49	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/04/17 20:49	1
Dibromofluoromethane (Surr)	101		77 - 118		04/04/17 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	250	H	30		ug/L			04/12/17 06:45	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/12/17 06:45	10
Toluene-d8 (Surr)	106		82 - 122		04/12/17 06:45	10
1,2-Dichloroethane-d4 (Surr)	104		65 - 143		04/12/17 06:45	10
4-Bromofluorobenzene (Surr)	105		75 - 125		04/12/17 06:45	10
Dibromofluoromethane (Surr)	103		77 - 118		04/12/17 06:45	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5900	H	500		ug/L			05/23/17 13:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	93		50 - 150		05/23/17 13:59	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3400		110		ug/L		04/04/17 09:18	04/04/17 22:33	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/04/17 09:18	04/04/17 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	04/04/17 09:18	04/04/17 22:33	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-47_20170321

Lab Sample ID: 580-67121-37

Date Collected: 03/21/17 14:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 21:16	1
Toluene	ND		2.0		ug/L			04/04/17 21:16	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 21:16	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/04/17 21:16	1
Toluene-d8 (Surr)	98		82 - 122		04/04/17 21:16	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 21:16	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/04/17 21:16	1
Dibromofluoromethane (Surr)	102		77 - 118		04/04/17 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 10:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/05/17 10:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/04/17 22:58	1
#2 Diesel (C10-C24)	ND	H	110		ug/L		04/06/17 17:51	04/07/17 13:45	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 22:58	1
Motor Oil (>C24-C36)	ND	H	250		ug/L		04/06/17 17:51	04/07/17 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	45	X	50 - 150	04/04/17 09:18	04/04/17 22:58	1
o-Terphenyl	66		50 - 150	04/06/17 17:51	04/07/17 13:45	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-48_20170321

Lab Sample ID: 580-67121-38

Date Collected: 03/21/17 10:50

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 02:12	1
Toluene	ND	H	2.0		ug/L			04/05/17 02:12	1
Ethylbenzene	ND	H	3.0		ug/L			04/05/17 02:12	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		80 - 141		04/05/17 02:12	1
Toluene-d8 (Surr)	99		82 - 122		04/05/17 02:12	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/05/17 02:12	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/05/17 02:12	1
Dibromofluoromethane (Surr)	100		77 - 118		04/05/17 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	130	H	50		ug/L			04/05/17 11:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		50 - 150		04/05/17 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	130		110		ug/L		04/04/17 09:18	04/04/17 23:48	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	04/04/17 09:18	04/04/17 23:48	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-49_20170321

Lab Sample ID: 580-67121-39

Date Collected: 03/21/17 10:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 02:39	1
Toluene	ND	H	2.0		ug/L			04/05/17 02:39	1
Ethylbenzene	ND	H	3.0		ug/L			04/05/17 02:39	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 02:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		80 - 141		04/05/17 02:39	1
Toluene-d8 (Surr)	98		82 - 122		04/05/17 02:39	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/05/17 02:39	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/05/17 02:39	1
Dibromofluoromethane (Surr)	104		77 - 118		04/05/17 02:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		50 - 150		04/05/17 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/05/17 00:13	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/05/17 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		50 - 150	04/04/17 09:18	04/05/17 00:13	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-50_20170321

Lab Sample ID: 580-67121-40

Date Collected: 03/21/17 09:20

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 03:06	1
Toluene	ND	H	2.0		ug/L			04/05/17 03:06	1
Ethylbenzene	ND	H	3.0		ug/L			04/05/17 03:06	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/05/17 03:06	1
Toluene-d8 (Surr)	98		82 - 122		04/05/17 03:06	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/05/17 03:06	1
4-Bromofluorobenzene (Surr)	102		75 - 125		04/05/17 03:06	1
Dibromofluoromethane (Surr)	100		77 - 118		04/05/17 03:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	81	H	50		ug/L			04/20/17 08:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		50 - 150		04/20/17 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/05/17 00:38	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/05/17 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	04/04/17 09:18	04/05/17 00:38	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-51_20170321

Lab Sample ID: 580-67121-41

Date Collected: 03/21/17 15:35

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 09:23	1
Toluene	ND	H	2.0		ug/L			04/05/17 09:23	1
Ethylbenzene	ND	H F1	3.0		ug/L			04/05/17 09:23	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 09:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		80 - 141		04/05/17 09:23	1
Toluene-d8 (Surr)	97		82 - 122		04/05/17 09:23	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/05/17 09:23	1
4-Bromofluorobenzene (Surr)	102		75 - 125		04/05/17 09:23	1
Dibromofluoromethane (Surr)	100		77 - 118		04/05/17 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/24/17 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	77		50 - 150		04/24/17 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 11:08	04/04/17 20:32	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/04/17 11:08	04/04/17 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	04/04/17 11:08	04/04/17 20:32	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-52_20170321

Lab Sample ID: 580-67121-42

Date Collected: 03/21/17 15:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	3.6	H	2.0		ug/L			04/05/17 08:56	1
Xylenes, Total	30	H	3.0		ug/L			04/05/17 08:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 141					04/05/17 08:56	1
Toluene-d8 (Surr)	97		82 - 122					04/05/17 08:56	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143					04/05/17 08:56	1
4-Bromofluorobenzene (Surr)	104		75 - 125					04/05/17 08:56	1
Dibromofluoromethane (Surr)	100		77 - 118					04/05/17 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	270	H	50		ug/L			04/13/17 03:38	25
Ethylbenzene	1400	H	75		ug/L			04/13/17 03:38	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141					04/13/17 03:38	25
Toluene-d8 (Surr)	104		82 - 122					04/13/17 03:38	25
1,2-Dichloroethane-d4 (Surr)	108		65 - 143					04/13/17 03:38	25
4-Bromofluorobenzene (Surr)	102		75 - 125					04/13/17 03:38	25
Dibromofluoromethane (Surr)	102		77 - 118					04/13/17 03:38	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	13000	H	50		ug/L			04/21/17 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	116		50 - 150					04/21/17 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3900		110		ug/L		04/04/17 11:08	04/04/17 21:39	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 11:08	04/04/17 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150				04/04/17 11:08	04/04/17 21:39	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-53_20170322

Lab Sample ID: 580-67121-43

Date Collected: 03/22/17 10:20

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13000	H	500		ug/L			04/13/17 05:52	250
Toluene	350	H	50		ug/L			04/12/17 07:12	25
Ethylbenzene	3000	H	750		ug/L			04/13/17 05:52	250
Xylenes, Total	8800	H	75		ug/L			04/12/17 07:12	25

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141					04/12/17 07:12	25
Trifluorotoluene (Surr)	99		80 - 141					04/13/17 05:52	250
Toluene-d8 (Surr)	104		82 - 122					04/12/17 07:12	25
Toluene-d8 (Surr)	103		82 - 122					04/13/17 05:52	250
1,2-Dichloroethane-d4 (Surr)	101		65 - 143					04/12/17 07:12	25
1,2-Dichloroethane-d4 (Surr)	110		65 - 143					04/13/17 05:52	250
4-Bromofluorobenzene (Surr)	105		75 - 125					04/12/17 07:12	25
4-Bromofluorobenzene (Surr)	100		75 - 125					04/13/17 05:52	250
Dibromofluoromethane (Surr)	97		77 - 118					04/12/17 07:12	25
Dibromofluoromethane (Surr)	100		77 - 118					04/13/17 05:52	250

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	56000	H	5000		ug/L			04/26/17 16:06	100

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123		50 - 150					04/26/17 16:06	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5800		110		ug/L		04/05/17 09:42	04/05/17 23:35	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 23:35	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150				04/05/17 09:42	04/05/17 23:35	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-54_20170321

Lab Sample ID: 580-67121-44

Date Collected: 03/21/17 14:55

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 03:33	1
Toluene	ND	H	2.0		ug/L			04/05/17 03:33	1
Ethylbenzene	ND	H	3.0		ug/L			04/05/17 03:33	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		80 - 141		04/05/17 03:33	1
Toluene-d8 (Surr)	99		82 - 122		04/05/17 03:33	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/05/17 03:33	1
4-Bromofluorobenzene (Surr)	103		75 - 125		04/05/17 03:33	1
Dibromofluoromethane (Surr)	101		77 - 118		04/05/17 03:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/20/17 08:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		50 - 150		04/20/17 08:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 11:08	04/04/17 22:46	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/04/17 11:08	04/04/17 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	04/04/17 11:08	04/04/17 22:46	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Dup-4_20170322

Lab Sample ID: 580-67121-45

Date Collected: 03/22/17 08:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	770	H	50		ug/L			04/12/17 07:39	25
Toluene	ND	H	50		ug/L			04/12/17 07:39	25
Ethylbenzene	1700	H	75		ug/L			04/12/17 07:39	25
Xylenes, Total	2400	H	75		ug/L			04/12/17 07:39	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 141		04/12/17 07:39	25
Toluene-d8 (Surr)	104		82 - 122		04/12/17 07:39	25
1,2-Dichloroethane-d4 (Surr)	105		65 - 143		04/12/17 07:39	25
4-Bromofluorobenzene (Surr)	105		75 - 125		04/12/17 07:39	25
Dibromofluoromethane (Surr)	101		77 - 118		04/12/17 07:39	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	23000	H	50		ug/L			04/21/17 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123		50 - 150		04/21/17 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3100		110		ug/L		04/05/17 09:42	04/05/17 23:59	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/05/17 23:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	04/05/17 09:42	04/05/17 23:59	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Trip Blank-4_20170321

Lab Sample ID: 580-67121-46

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 04:00	1
Toluene	ND	H	2.0		ug/L			04/05/17 04:00	1
Ethylbenzene	ND	H	3.0		ug/L			04/05/17 04:00	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		80 - 141		04/05/17 04:00	1
Toluene-d8 (Surr)	99		82 - 122		04/05/17 04:00	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143		04/05/17 04:00	1
4-Bromofluorobenzene (Surr)	103		75 - 125		04/05/17 04:00	1
Dibromofluoromethane (Surr)	104		77 - 118		04/05/17 04:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		50 - 150		04/05/17 06:59	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: IW-1_20170321

Lab Sample ID: 580-67121-47

Date Collected: 03/21/17 10:40

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 04:27	1
Toluene	ND	H	2.0		ug/L			04/05/17 04:27	1
Ethylbenzene	ND	H	3.0		ug/L			04/05/17 04:27	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		80 - 141		04/05/17 04:27	1
Toluene-d8 (Surr)	99		82 - 122		04/05/17 04:27	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/05/17 04:27	1
4-Bromofluorobenzene (Surr)	101		75 - 125		04/05/17 04:27	1
Dibromofluoromethane (Surr)	100		77 - 118		04/05/17 04:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/20/17 09:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		50 - 150		04/20/17 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 11:08	04/04/17 23:30	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/04/17 11:08	04/04/17 23:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	04/04/17 11:08	04/04/17 23:30	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-55_20170323

Lab Sample ID: 580-67121-48

Date Collected: 03/23/17 10:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/06/17 23:37	1
Toluene	ND		2.0		ug/L			04/06/17 23:37	1
Ethylbenzene	ND		3.0		ug/L			04/06/17 23:37	1
Xylenes, Total	ND		3.0		ug/L			04/06/17 23:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141		04/06/17 23:37	1
Toluene-d8 (Surr)	104		82 - 122		04/06/17 23:37	1
1,2-Dichloroethane-d4 (Surr)	107		65 - 143		04/06/17 23:37	1
4-Bromofluorobenzene (Surr)	102		75 - 125		04/06/17 23:37	1
Dibromofluoromethane (Surr)	100		77 - 118		04/06/17 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		50 - 150		04/06/17 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/05/17 22:24	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/05/17 11:06	04/05/17 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	04/05/17 11:06	04/05/17 22:24	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-56_20170323

Lab Sample ID: 580-67121-49

Date Collected: 03/23/17 09:50

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.8	H	2.0		ug/L			04/07/17 00:04	1
Toluene	21	H	2.0		ug/L			04/07/17 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/07/17 00:04	1
Toluene-d8 (Surr)	105		82 - 122		04/07/17 00:04	1
1,2-Dichloroethane-d4 (Surr)	105		65 - 143		04/07/17 00:04	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/07/17 00:04	1
Dibromofluoromethane (Surr)	99		77 - 118		04/07/17 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	450	H	75		ug/L			04/13/17 09:00	25
Xylenes, Total	2000	H	75		ug/L			04/13/17 09:00	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/13/17 09:00	25
Toluene-d8 (Surr)	105		82 - 122		04/13/17 09:00	25
1,2-Dichloroethane-d4 (Surr)	109		65 - 143		04/13/17 09:00	25
4-Bromofluorobenzene (Surr)	103		75 - 125		04/13/17 09:00	25
Dibromofluoromethane (Surr)	104		77 - 118		04/13/17 09:00	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	10000		50		ug/L			04/06/17 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		50 - 150		04/06/17 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	670		110		ug/L		04/05/17 11:06	04/05/17 22:47	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/05/17 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	76		50 - 150	04/05/17 11:06	04/05/17 22:47	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-61_20170323

Lab Sample ID: 580-67121-50

Date Collected: 03/23/17 07:50

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/07/17 00:31	1
Toluene	ND	H	2.0		ug/L			04/07/17 00:31	1
Ethylbenzene	ND	H	3.0		ug/L			04/07/17 00:31	1
Xylenes, Total	ND	H	3.0		ug/L			04/07/17 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/07/17 00:31	1
Toluene-d8 (Surr)	105		82 - 122		04/07/17 00:31	1
1,2-Dichloroethane-d4 (Surr)	107		65 - 143		04/07/17 00:31	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/07/17 00:31	1
Dibromofluoromethane (Surr)	99		77 - 118		04/07/17 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		50 - 150		04/06/17 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/05/17 23:09	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/05/17 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	04/05/17 11:06	04/05/17 23:09	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-62_20170323

Lab Sample ID: 580-67121-51

Date Collected: 03/23/17 08:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/07/17 00:58	1
Toluene	ND	H	2.0		ug/L			04/07/17 00:58	1
Ethylbenzene	ND	H	3.0		ug/L			04/07/17 00:58	1
Xylenes, Total	ND	H	3.0		ug/L			04/07/17 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/07/17 00:58	1
Toluene-d8 (Surr)	103		82 - 122		04/07/17 00:58	1
1,2-Dichloroethane-d4 (Surr)	106		65 - 143		04/07/17 00:58	1
4-Bromofluorobenzene (Surr)	102		75 - 125		04/07/17 00:58	1
Dibromofluoromethane (Surr)	98		77 - 118		04/07/17 00:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		50 - 150		04/06/17 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/05/17 23:31	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/05/17 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	04/05/17 11:06	04/05/17 23:31	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-63_20170323

Lab Sample ID: 580-67121-52

Date Collected: 03/23/17 09:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND	H	2.0		ug/L			04/13/17 21:23	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141					04/13/17 21:23	1
Toluene-d8 (Surr)	106		82 - 122					04/13/17 21:23	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143					04/13/17 21:23	1
4-Bromofluorobenzene (Surr)	99		75 - 125					04/13/17 21:23	1
Dibromofluoromethane (Surr)	102		77 - 118					04/13/17 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/18/17 17:10	1
Xylenes, Total	ND	H	3.0		ug/L			04/18/17 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 141					04/18/17 17:10	1
Toluene-d8 (Surr)	102		82 - 122					04/18/17 17:10	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143					04/18/17 17:10	1
4-Bromofluorobenzene (Surr)	99		75 - 125					04/18/17 17:10	1
Dibromofluoromethane (Surr)	100		77 - 118					04/18/17 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		50 - 150					04/06/17 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/05/17 23:53	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/05/17 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150				04/05/17 11:06	04/05/17 23:53	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-64_20170322

Lab Sample ID: 580-67121-53

Date Collected: 03/22/17 13:40

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19	H	2.0		ug/L			04/12/17 00:28	1
Toluene	2.0	H	2.0		ug/L			04/12/17 00:28	1
Ethylbenzene	ND	H	3.0		ug/L			04/12/17 00:28	1
Xylenes, Total	6.0	H	3.0		ug/L			04/12/17 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		80 - 141		04/05/17 15:41	1
Trifluorotoluene (Surr)	95		80 - 141		04/12/17 00:28	1
Toluene-d8 (Surr)	99		82 - 122		04/05/17 15:41	1
Toluene-d8 (Surr)	104		82 - 122		04/12/17 00:28	1
1,2-Dichloroethane-d4 (Surr)	99		65 - 143		04/05/17 15:41	1
1,2-Dichloroethane-d4 (Surr)	108		65 - 143		04/12/17 00:28	1
4-Bromofluorobenzene (Surr)	109		75 - 125		04/05/17 15:41	1
4-Bromofluorobenzene (Surr)	98		75 - 125		04/12/17 00:28	1
Dibromofluoromethane (Surr)	101		77 - 118		04/05/17 15:41	1
Dibromofluoromethane (Surr)	100		77 - 118		04/12/17 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2000	H	50		ug/L			04/21/17 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	109		50 - 150		04/21/17 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2400		110		ug/L		04/05/17 09:42	04/06/17 00:24	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/06/17 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	04/05/17 09:42	04/06/17 00:24	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Dup-5_20170323

Lab Sample ID: 580-67121-54

Date Collected: 03/23/17 09:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/13/17 10:20	1
Toluene	ND	H	2.0		ug/L			04/13/17 10:20	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 10:20	1
Xylenes, Total	ND	H	3.0		ug/L			04/13/17 10:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/13/17 10:20	1
Toluene-d8 (Surr)	103		82 - 122		04/13/17 10:20	1
1,2-Dichloroethane-d4 (Surr)	109		65 - 143		04/13/17 10:20	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/13/17 10:20	1
Dibromofluoromethane (Surr)	103		77 - 118		04/13/17 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		50 - 150		04/06/17 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/06/17 00:15	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/06/17 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	04/05/17 11:06	04/06/17 00:15	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Trip Blank-5_20170321

Lab Sample ID: 580-67121-55

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/05/17 04:54	1
Toluene	ND	H	2.0		ug/L			04/05/17 04:54	1
Ethylbenzene	ND	H	3.0		ug/L			04/05/17 04:54	1
Xylenes, Total	ND	H	3.0		ug/L			04/05/17 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		80 - 141		04/05/17 04:54	1
Toluene-d8 (Surr)	99		82 - 122		04/05/17 04:54	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143		04/05/17 04:54	1
4-Bromofluorobenzene (Surr)	102		75 - 125		04/05/17 04:54	1
Dibromofluoromethane (Surr)	101		77 - 118		04/05/17 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/05/17 07:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		50 - 150		04/05/17 07:29	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-65_20170322

Lab Sample ID: 580-67121-56

Date Collected: 03/22/17 11:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	19		2.0		ug/L			04/05/17 16:08	1
Xylenes, Total	48		3.0		ug/L			04/05/17 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		80 - 141					04/05/17 16:08	1
Toluene-d8 (Surr)	97		82 - 122					04/05/17 16:08	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143					04/05/17 16:08	1
4-Bromofluorobenzene (Surr)	111		75 - 125					04/05/17 16:08	1
Dibromofluoromethane (Surr)	102		77 - 118					04/05/17 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3100	H	100		ug/L			04/12/17 08:06	50
Ethylbenzene	3000	H	150		ug/L			04/12/17 08:06	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141					04/12/17 08:06	50
Toluene-d8 (Surr)	105		82 - 122					04/12/17 08:06	50
1,2-Dichloroethane-d4 (Surr)	105		65 - 143					04/12/17 08:06	50
4-Bromofluorobenzene (Surr)	103		75 - 125					04/12/17 08:06	50
Dibromofluoromethane (Surr)	101		77 - 118					04/12/17 08:06	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	16000	H	50		ug/L			04/21/17 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	117		50 - 150					04/21/17 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3900		110		ug/L		04/05/17 09:42	04/06/17 00:49	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/06/17 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150				04/05/17 09:42	04/06/17 00:49	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-66_20170322

Lab Sample ID: 580-67121-57

Date Collected: 03/22/17 11:10

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2.3		2.0		ug/L			04/05/17 16:34	1
Xylenes, Total	10		3.0		ug/L			04/05/17 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		80 - 141					04/05/17 16:34	1
Toluene-d8 (Surr)	98		82 - 122					04/05/17 16:34	1
1,2-Dichloroethane-d4 (Surr)	97		65 - 143					04/05/17 16:34	1
4-Bromofluorobenzene (Surr)	110		75 - 125					04/05/17 16:34	1
Dibromofluoromethane (Surr)	102		77 - 118					04/05/17 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	99	H	20		ug/L			04/12/17 08:33	10
Ethylbenzene	170	H	30		ug/L			04/12/17 08:33	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141					04/12/17 08:33	10
Toluene-d8 (Surr)	104		82 - 122					04/12/17 08:33	10
1,2-Dichloroethane-d4 (Surr)	104		65 - 143					04/12/17 08:33	10
4-Bromofluorobenzene (Surr)	105		75 - 125					04/12/17 08:33	10
Dibromofluoromethane (Surr)	102		77 - 118					04/12/17 08:33	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1000	H	50		ug/L			04/26/17 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	115		50 - 150					04/26/17 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	330		110		ug/L		04/05/17 09:42	04/06/17 01:14	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 09:42	04/06/17 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	52		50 - 150				04/05/17 09:42	04/06/17 01:14	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-67_20170323

Lab Sample ID: 580-67121-58

Date Collected: 03/23/17 09:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/13/17 10:47	1
Toluene	ND	H	2.0		ug/L			04/13/17 10:47	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 10:47	1
Xylenes, Total	ND	H	3.0		ug/L			04/13/17 10:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/13/17 10:47	1
Toluene-d8 (Surr)	102		82 - 122		04/13/17 10:47	1
1,2-Dichloroethane-d4 (Surr)	114		65 - 143		04/13/17 10:47	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/13/17 10:47	1
Dibromofluoromethane (Surr)	103		77 - 118		04/13/17 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		50 - 150		04/06/17 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/06/17 00:37	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/05/17 11:06	04/06/17 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	04/05/17 11:06	04/06/17 00:37	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-68_20170323

Lab Sample ID: 580-67121-59

Date Collected: 03/23/17 08:50

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/13/17 11:14	1
Toluene	ND	H	2.0		ug/L			04/13/17 11:14	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 11:14	1
Xylenes, Total	ND	H	3.0		ug/L			04/13/17 11:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 141		04/13/17 11:14	1
Toluene-d8 (Surr)	106		82 - 122		04/13/17 11:14	1
1,2-Dichloroethane-d4 (Surr)	112		65 - 143		04/13/17 11:14	1
4-Bromofluorobenzene (Surr)	103		75 - 125		04/13/17 11:14	1
Dibromofluoromethane (Surr)	102		77 - 118		04/13/17 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		50 - 150		04/06/17 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/06/17 01:00	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/06/17 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	04/05/17 11:06	04/06/17 01:00	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-69_20170323

Lab Sample ID: 580-67121-60

Date Collected: 03/23/17 08:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/13/17 03:19	1
Toluene	ND	H	2.0		ug/L			04/13/17 03:19	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 03:19	1
Xylenes, Total	ND	H	3.0		ug/L			04/13/17 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/13/17 03:19	1
Toluene-d8 (Surr)	104		82 - 122		04/13/17 03:19	1
1,2-Dichloroethane-d4 (Surr)	104		65 - 143		04/13/17 03:19	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/13/17 03:19	1
Dibromofluoromethane (Surr)	102		77 - 118		04/13/17 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/07/17 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		50 - 150		04/07/17 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/06/17 01:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/06/17 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		50 - 150	04/05/17 11:06	04/06/17 01:22	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-70_20170323

Lab Sample ID: 580-67121-61

Date Collected: 03/23/17 07:30

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/13/17 11:41	1
Toluene	ND	H	2.0		ug/L			04/13/17 11:41	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 11:41	1
Xylenes, Total	ND	H	3.0		ug/L			04/13/17 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/13/17 11:41	1
Toluene-d8 (Surr)	106		82 - 122		04/13/17 11:41	1
1,2-Dichloroethane-d4 (Surr)	112		65 - 143		04/13/17 11:41	1
4-Bromofluorobenzene (Surr)	102		75 - 125		04/13/17 11:41	1
Dibromofluoromethane (Surr)	101		77 - 118		04/13/17 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/07/17 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		50 - 150		04/07/17 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/06/17 02:50	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/06/17 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	04/05/17 11:06	04/06/17 02:50	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-71_20170322

Lab Sample ID: 580-67121-62

Date Collected: 03/22/17 14:15

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/13/17 09:27	1
Toluene	ND	H	2.0		ug/L			04/13/17 09:27	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 09:27	1
Xylenes, Total	ND	H	3.0		ug/L			04/13/17 09:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/13/17 09:27	1
Toluene-d8 (Surr)	103		82 - 122		04/13/17 09:27	1
1,2-Dichloroethane-d4 (Surr)	108		65 - 143		04/13/17 09:27	1
4-Bromofluorobenzene (Surr)	100		75 - 125		04/13/17 09:27	1
Dibromofluoromethane (Surr)	100		77 - 118		04/13/17 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/24/17 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	76		50 - 150		04/24/17 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 09:42	04/06/17 02:03	1
Motor Oil (>C24-C36)	ND		260		ug/L		04/05/17 09:42	04/06/17 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	04/05/17 09:42	04/06/17 02:03	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: AG-WELL_20170323

Lab Sample ID: 580-67121-63

Date Collected: 03/23/17 13:00

Matrix: Water

Date Received: 03/24/17 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			04/13/17 12:07	1
Toluene	ND	H	2.0		ug/L			04/13/17 12:07	1
Ethylbenzene	ND	H	3.0		ug/L			04/13/17 12:07	1
Xylenes, Total	ND	H	3.0		ug/L			04/13/17 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/13/17 12:07	1
Toluene-d8 (Surr)	105		82 - 122		04/13/17 12:07	1
1,2-Dichloroethane-d4 (Surr)	111		65 - 143		04/13/17 12:07	1
4-Bromofluorobenzene (Surr)	101		75 - 125		04/13/17 12:07	1
Dibromofluoromethane (Surr)	102		77 - 118		04/13/17 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			04/07/17 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		50 - 150		04/07/17 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/06/17 03:13	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/06/17 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	04/05/17 11:06	04/06/17 03:13	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: MB 580-242150/5

Matrix: Water

Analysis Batch: 242150

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/04/17 12:44	1
Toluene	ND		2.0		ug/L			04/04/17 12:44	1
Ethylbenzene	ND		3.0		ug/L			04/04/17 12:44	1
Xylenes, Total	ND		3.0		ug/L			04/04/17 12:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 141		04/04/17 12:44	1
Toluene-d8 (Surr)	101		82 - 122		04/04/17 12:44	1
1,2-Dichloroethane-d4 (Surr)	100		65 - 143		04/04/17 12:44	1
4-Bromofluorobenzene (Surr)	101		75 - 125		04/04/17 12:44	1
Dibromofluoromethane (Surr)	102		77 - 118		04/04/17 12:44	1

Lab Sample ID: LCS 580-242150/6

Matrix: Water

Analysis Batch: 242150

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	9.88		ug/L		99	80 - 120
Toluene	10.0	9.93		ug/L		99	75 - 120
Ethylbenzene	10.0	10.7		ug/L		107	75 - 119
m-Xylene & p-Xylene	10.0	9.80		ug/L		98	75 - 119
o-Xylene	10.0	9.72		ug/L		97	74 - 120
Xylenes, Total	20.0	19.5		ug/L		98	75 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	102		80 - 141
Toluene-d8 (Surr)	100		82 - 122
1,2-Dichloroethane-d4 (Surr)	101		65 - 143
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	100		77 - 118

Lab Sample ID: LCSD 580-242150/7

Matrix: Water

Analysis Batch: 242150

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	9.34		ug/L		93	80 - 120	6	14
Toluene	10.0	9.29		ug/L		93	75 - 120	7	19
Ethylbenzene	10.0	10.1		ug/L		101	75 - 119	6	14
m-Xylene & p-Xylene	10.0	9.48		ug/L		95	75 - 119	3	14
o-Xylene	10.0	9.53		ug/L		95	74 - 120	2	16
Xylenes, Total	20.0	19.0		ug/L		95	75 - 119	3	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 141
Toluene-d8 (Surr)	98		82 - 122
1,2-Dichloroethane-d4 (Surr)	98		65 - 143

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-242150/7

Matrix: Water

Analysis Batch: 242150

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: MB 580-242244/5

Matrix: Water

Analysis Batch: 242244

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		2.0		ug/L			04/05/17 00:51	1
Toluene	ND		2.0		ug/L			04/05/17 00:51	1
Ethylbenzene	ND		3.0		ug/L			04/05/17 00:51	1
Xylenes, Total	ND		3.0		ug/L			04/05/17 00:51	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Trifluorotoluene (Surr)	106		80 - 141		04/05/17 00:51	1
Toluene-d8 (Surr)	99		82 - 122		04/05/17 00:51	1
1,2-Dichloroethane-d4 (Surr)	101		65 - 143		04/05/17 00:51	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/05/17 00:51	1
Dibromofluoromethane (Surr)	100		77 - 118		04/05/17 00:51	1

Lab Sample ID: LCS 580-242244/6

Matrix: Water

Analysis Batch: 242244

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Benzene	10.0	9.90		ug/L		99	80 - 120
Toluene	10.0	9.56		ug/L		96	75 - 120
Ethylbenzene	10.0	10.3		ug/L		103	75 - 119
m-Xylene & p-Xylene	10.0	9.50		ug/L		95	75 - 119
o-Xylene	10.0	9.40		ug/L		94	74 - 120
Xylenes, Total	20.0	18.9		ug/L		95	75 - 119

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Trifluorotoluene (Surr)	107		80 - 141
Toluene-d8 (Surr)	98		82 - 122
1,2-Dichloroethane-d4 (Surr)	102		65 - 143
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	101		77 - 118

Lab Sample ID: LCSD 580-242244/7

Matrix: Water

Analysis Batch: 242244

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits	RPD	Limit
Benzene	10.0	9.44		ug/L		94	80 - 120	5	14
Toluene	10.0	9.10		ug/L		91	75 - 120	5	19
Ethylbenzene	10.0	9.89		ug/L		99	75 - 119	4	14

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-242244/7

Matrix: Water

Analysis Batch: 242244

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	10.0	9.09		ug/L		91	75 - 119	4	14
o-Xylene	10.0	9.23		ug/L		92	74 - 120	2	16
Xylenes, Total	20.0	18.3		ug/L		92	75 - 119	3	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	107		80 - 141
Toluene-d8 (Surr)	98		82 - 122
1,2-Dichloroethane-d4 (Surr)	103		65 - 143
4-Bromofluorobenzene (Surr)	104		75 - 125
Dibromofluoromethane (Surr)	101		77 - 118

Lab Sample ID: 580-67121-41 MS

Matrix: Water

Analysis Batch: 242244

Client Sample ID: MW-51_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND	H	10.0	10.8	H	ug/L		108	80 - 120
Toluene	ND	H	10.0	10.2	H	ug/L		102	75 - 120
Ethylbenzene	ND	H F1	10.0	12.9	H F1	ug/L		121	75 - 119
m-Xylene & p-Xylene	ND	H	10.0	10.1	H	ug/L		101	75 - 119
o-Xylene	ND	H	10.0	9.88	H	ug/L		99	74 - 120
Xylenes, Total	ND	H	20.0	20.0	H	ug/L		100	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	109		80 - 141
Toluene-d8 (Surr)	96		82 - 122
1,2-Dichloroethane-d4 (Surr)	101		65 - 143
4-Bromofluorobenzene (Surr)	105		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: 580-67121-41 MSD

Matrix: Water

Analysis Batch: 242244

Client Sample ID: MW-51_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND	H	10.0	10.7	H	ug/L		107	80 - 120	1	35
Toluene	ND	H	10.0	10.1	H	ug/L		101	75 - 120	1	35
Ethylbenzene	ND	H F1	10.0	11.9	H	ug/L		112	75 - 119	8	35
m-Xylene & p-Xylene	ND	H	10.0	10.1	H	ug/L		101	75 - 119	1	35
o-Xylene	ND	H	10.0	10.4	H	ug/L		104	74 - 120	5	35
Xylenes, Total	ND	H	20.0	20.5	H	ug/L		103	75 - 119	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	109		80 - 141
Toluene-d8 (Surr)	98		82 - 122
1,2-Dichloroethane-d4 (Surr)	100		65 - 143
4-Bromofluorobenzene (Surr)	108		75 - 125

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-41 MSD

Matrix: Water

Analysis Batch: 242244

Client Sample ID: MW-51_20170321

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: 580-67121-42 MS

Matrix: Water

Analysis Batch: 242244

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	3.6	H	10.0	12.9	H	ug/L		93	75 - 120
m-Xylene & p-Xylene	28	H	10.0	35.6	H	ug/L		78	75 - 119
o-Xylene	2.0	H	10.0	11.7	H	ug/L		97	74 - 120
Xylenes, Total	30	H	20.0	47.3	H	ug/L		87	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	108		80 - 141
Toluene-d8 (Surr)	96		82 - 122
1,2-Dichloroethane-d4 (Surr)	103		65 - 143
4-Bromofluorobenzene (Surr)	104		75 - 125
Dibromofluoromethane (Surr)	104		77 - 118

Lab Sample ID: 580-67121-42 MSD

Matrix: Water

Analysis Batch: 242244

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	3.6	H	10.0	14.2	H	ug/L		106	75 - 120	9	35
m-Xylene & p-Xylene	28	H	10.0	38.1	H	ug/L		103	75 - 119	7	35
o-Xylene	2.0	H	10.0	12.8	H	ug/L		108	74 - 120	9	35
Xylenes, Total	30	H	20.0	50.9	H	ug/L		105	75 - 119	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	109		80 - 141
Toluene-d8 (Surr)	97		82 - 122
1,2-Dichloroethane-d4 (Surr)	100		65 - 143
4-Bromofluorobenzene (Surr)	107		75 - 125
Dibromofluoromethane (Surr)	104		77 - 118

Lab Sample ID: MB 580-242300/5

Matrix: Water

Analysis Batch: 242300

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/05/17 13:26	1
Toluene	ND		2.0		ug/L			04/05/17 13:26	1
Ethylbenzene	ND		3.0		ug/L			04/05/17 13:26	1
Xylenes, Total	ND		3.0		ug/L			04/05/17 13:26	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: MB 580-242300/5

Matrix: Water

Analysis Batch: 242300

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		80 - 141		04/05/17 13:26	1
Toluene-d8 (Surr)	97		82 - 122		04/05/17 13:26	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/05/17 13:26	1
4-Bromofluorobenzene (Surr)	104		75 - 125		04/05/17 13:26	1
Dibromofluoromethane (Surr)	101		77 - 118		04/05/17 13:26	1

Lab Sample ID: LCS 580-242300/6

Matrix: Water

Analysis Batch: 242300

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	10.2		ug/L		102	80 - 120
Toluene	10.0	9.95		ug/L		100	75 - 120
Ethylbenzene	10.0	11.3		ug/L		113	75 - 119
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	75 - 119
o-Xylene	10.0	10.4		ug/L		104	74 - 120
Xylenes, Total	20.0	20.7		ug/L		104	75 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	106		80 - 141
Toluene-d8 (Surr)	97		82 - 122
1,2-Dichloroethane-d4 (Surr)	99		65 - 143
4-Bromofluorobenzene (Surr)	105		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: LCSD 580-242300/7

Matrix: Water

Analysis Batch: 242300

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	10.1		ug/L		101	80 - 120	1	14
Toluene	10.0	9.70		ug/L		97	75 - 120	3	19
Ethylbenzene	10.0	10.8		ug/L		108	75 - 119	5	14
m-Xylene & p-Xylene	10.0	9.69		ug/L		97	75 - 119	6	14
o-Xylene	10.0	9.64		ug/L		96	74 - 120	8	16
Xylenes, Total	20.0	19.3		ug/L		97	75 - 119	7	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	110		80 - 141
Toluene-d8 (Surr)	97		82 - 122
1,2-Dichloroethane-d4 (Surr)	100		65 - 143
4-Bromofluorobenzene (Surr)	103		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: MB 580-242426/5

Matrix: Water

Analysis Batch: 242426

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/06/17 15:04	1
Toluene	ND		2.0		ug/L			04/06/17 15:04	1
Ethylbenzene	ND		3.0		ug/L			04/06/17 15:04	1
Xylenes, Total	ND		3.0		ug/L			04/06/17 15:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/06/17 15:04	1
Toluene-d8 (Surr)	104		82 - 122		04/06/17 15:04	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143		04/06/17 15:04	1
4-Bromofluorobenzene (Surr)	107		75 - 125		04/06/17 15:04	1
Dibromofluoromethane (Surr)	98		77 - 118		04/06/17 15:04	1

Lab Sample ID: LCS 580-242426/6

Matrix: Water

Analysis Batch: 242426

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	8.87		ug/L		89	80 - 120
Toluene	10.0	9.37		ug/L		94	75 - 120
Ethylbenzene	10.0	10.4		ug/L		104	75 - 119
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 119
o-Xylene	10.0	9.53		ug/L		95	74 - 120
Xylenes, Total	20.0	19.6		ug/L		98	75 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 141
Toluene-d8 (Surr)	102		82 - 122
1,2-Dichloroethane-d4 (Surr)	104		65 - 143
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	100		77 - 118

Lab Sample ID: LCSD 580-242426/7

Matrix: Water

Analysis Batch: 242426

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	8.62		ug/L		86	80 - 120	3	14
Toluene	10.0	9.12		ug/L		91	75 - 120	3	19
Ethylbenzene	10.0	10.1		ug/L		101	75 - 119	3	14
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 119	0	14
o-Xylene	10.0	9.37		ug/L		94	74 - 120	2	16
Xylenes, Total	20.0	19.5		ug/L		97	75 - 119	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 141
Toluene-d8 (Surr)	102		82 - 122
1,2-Dichloroethane-d4 (Surr)	104		65 - 143

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-242426/7

Matrix: Water

Analysis Batch: 242426

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		75 - 125
Dibromofluoromethane (Surr)	101		77 - 118

Lab Sample ID: MB 580-242811/5

Matrix: Water

Analysis Batch: 242811

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		2.0		ug/L			04/11/17 22:40	1
Toluene	ND		2.0		ug/L			04/11/17 22:40	1
Ethylbenzene	ND		3.0		ug/L			04/11/17 22:40	1
Xylenes, Total	ND		3.0		ug/L			04/11/17 22:40	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Trifluorotoluene (Surr)	97		80 - 141		04/11/17 22:40	1
Toluene-d8 (Surr)	104		82 - 122		04/11/17 22:40	1
1,2-Dichloroethane-d4 (Surr)	110		65 - 143		04/11/17 22:40	1
4-Bromofluorobenzene (Surr)	98		75 - 125		04/11/17 22:40	1
Dibromofluoromethane (Surr)	97		77 - 118		04/11/17 22:40	1

Lab Sample ID: LCS 580-242811/6

Matrix: Water

Analysis Batch: 242811

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	9.19		ug/L		92	80 - 120
Toluene	10.0	10.0		ug/L		100	75 - 120
Ethylbenzene	10.0	10.9		ug/L		109	75 - 119
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 119
o-Xylene	10.0	10.4		ug/L		104	74 - 120
Xylenes, Total	20.0	20.5		ug/L		103	75 - 119

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Trifluorotoluene (Surr)	96		80 - 141
Toluene-d8 (Surr)	105		82 - 122
1,2-Dichloroethane-d4 (Surr)	103		65 - 143
4-Bromofluorobenzene (Surr)	99		75 - 125
Dibromofluoromethane (Surr)	99		77 - 118

Lab Sample ID: LCSD 580-242811/7

Matrix: Water

Analysis Batch: 242811

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	8.77		ug/L		88	80 - 120	5	14
Toluene	10.0	9.35		ug/L		94	75 - 120	7	19
Ethylbenzene	10.0	10.2		ug/L		102	75 - 119	7	14

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-242811/7

Matrix: Water

Analysis Batch: 242811

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	10.0	9.34		ug/L		93	75 - 119	8	14
o-Xylene	10.0	9.66		ug/L		97	74 - 120	7	16
Xylenes, Total	20.0	19.0		ug/L		95	75 - 119	8	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	96		80 - 141
Toluene-d8 (Surr)	103		82 - 122
1,2-Dichloroethane-d4 (Surr)	107		65 - 143
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	100		77 - 118

Lab Sample ID: MB 580-242948/5

Matrix: Water

Analysis Batch: 242948

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/13/17 02:17	1
Toluene	ND		2.0		ug/L			04/13/17 02:17	1
Ethylbenzene	ND		3.0		ug/L			04/13/17 02:17	1
Xylenes, Total	ND		3.0		ug/L			04/13/17 02:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/13/17 02:17	1
Toluene-d8 (Surr)	104		82 - 122		04/13/17 02:17	1
1,2-Dichloroethane-d4 (Surr)	109		65 - 143		04/13/17 02:17	1
4-Bromofluorobenzene (Surr)	100		75 - 125		04/13/17 02:17	1
Dibromofluoromethane (Surr)	98		77 - 118		04/13/17 02:17	1

Lab Sample ID: LCS 580-242948/6

Matrix: Water

Analysis Batch: 242948

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	8.56		ug/L		86	80 - 120
Toluene	10.0	9.11		ug/L		91	75 - 120
Ethylbenzene	10.0	10.2		ug/L		102	75 - 119
m-Xylene & p-Xylene	10.0	9.36		ug/L		94	75 - 119
o-Xylene	10.0	9.57		ug/L		96	74 - 120
Xylenes, Total	20.0	18.9		ug/L		95	75 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	97		80 - 141
Toluene-d8 (Surr)	104		82 - 122
1,2-Dichloroethane-d4 (Surr)	108		65 - 143
4-Bromofluorobenzene (Surr)	101		75 - 125
Dibromofluoromethane (Surr)	99		77 - 118

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-242948/7

Matrix: Water

Analysis Batch: 242948

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	8.43		ug/L		84	80 - 120	2	14
Toluene	10.0	9.17		ug/L		92	75 - 120	1	19
Ethylbenzene	10.0	9.93		ug/L		99	75 - 119	3	14
m-Xylene & p-Xylene	10.0	9.51		ug/L		95	75 - 119	2	14
o-Xylene	10.0	9.39		ug/L		94	74 - 120	2	16
Xylenes, Total	20.0	18.9		ug/L		95	75 - 119	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	98		80 - 141
Toluene-d8 (Surr)	102		82 - 122
1,2-Dichloroethane-d4 (Surr)	109		65 - 143
4-Bromofluorobenzene (Surr)	101		75 - 125
Dibromofluoromethane (Surr)	100		77 - 118

Lab Sample ID: MB 580-242954/5

Matrix: Water

Analysis Batch: 242954

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/13/17 02:00	1
Toluene	ND		2.0		ug/L			04/13/17 02:00	1
Ethylbenzene	ND		3.0		ug/L			04/13/17 02:00	1
Xylenes, Total	ND		3.0		ug/L			04/13/17 02:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 141		04/13/17 02:00	1
Toluene-d8 (Surr)	103		82 - 122		04/13/17 02:00	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 143		04/13/17 02:00	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/13/17 02:00	1
Dibromofluoromethane (Surr)	103		77 - 118		04/13/17 02:00	1

Lab Sample ID: LCS 580-242954/6

Matrix: Water

Analysis Batch: 242954

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	10.1		ug/L		101	80 - 120
Toluene	10.0	10.4		ug/L		104	75 - 120
Ethylbenzene	10.0	10.2		ug/L		102	75 - 119
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 119
o-Xylene	10.0	10.2		ug/L		102	74 - 120
Xylenes, Total	20.0	20.3		ug/L		102	75 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 141
Toluene-d8 (Surr)	103		82 - 122
1,2-Dichloroethane-d4 (Surr)	102		65 - 143

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCS 580-242954/6

Matrix: Water

Analysis Batch: 242954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	103		77 - 118

Lab Sample ID: LCSD 580-242954/7

Matrix: Water

Analysis Batch: 242954

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	10.1		ug/L		101	80 - 120	0	14
Toluene	10.0	10.6		ug/L		106	75 - 120	1	19
Ethylbenzene	10.0	10.3		ug/L		103	75 - 119	1	14
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 119	0	14
o-Xylene	10.0	10.4		ug/L		104	74 - 120	2	16
Xylenes, Total	20.0	20.5		ug/L		103	75 - 119	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	98		80 - 141
Toluene-d8 (Surr)	103		82 - 122
1,2-Dichloroethane-d4 (Surr)	103		65 - 143
4-Bromofluorobenzene (Surr)	99		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: 580-67121-60 MS

Matrix: Water

Analysis Batch: 242954

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND	H	10.0	10.2	H	ug/L		102	80 - 120
Toluene	ND	H	10.0	10.7	H	ug/L		107	75 - 120
Ethylbenzene	ND	H	10.0	10.2	H	ug/L		102	75 - 119
m-Xylene & p-Xylene	ND	H	10.0	10.0	H	ug/L		100	75 - 119
o-Xylene	ND	H	10.0	10.2	H	ug/L		102	74 - 120
Xylenes, Total	ND	H	20.0	20.2	H	ug/L		101	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 141
Toluene-d8 (Surr)	103		82 - 122
1,2-Dichloroethane-d4 (Surr)	102		65 - 143
4-Bromofluorobenzene (Surr)	98		75 - 125
Dibromofluoromethane (Surr)	103		77 - 118

Lab Sample ID: 580-67121-60 MSD

Matrix: Water

Analysis Batch: 242954

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND	H	10.0	10.7	H	ug/L		107	80 - 120	4	35

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-60 MSD

Matrix: Water

Analysis Batch: 242954

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND	H	10.0	11.2	H	ug/L		112	75 - 120	5	35
Ethylbenzene	ND	H	10.0	10.8	H	ug/L		108	75 - 119	6	35
m-Xylene & p-Xylene	ND	H	10.0	10.6	H	ug/L		106	75 - 119	6	35
o-Xylene	ND	H	10.0	10.9	H	ug/L		109	74 - 120	7	35
Xylenes, Total	ND	H	20.0	21.5	H	ug/L		108	75 - 119	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 141
Toluene-d8 (Surr)	104		82 - 122
1,2-Dichloroethane-d4 (Surr)	101		65 - 143
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: MB 580-243076/5

Matrix: Water

Analysis Batch: 243076

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/13/17 14:23	1
Toluene	ND		2.0		ug/L			04/13/17 14:23	1
Ethylbenzene	ND		3.0		ug/L			04/13/17 14:23	1
Xylenes, Total	ND		3.0		ug/L			04/13/17 14:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 141		04/13/17 14:23	1
Toluene-d8 (Surr)	104		82 - 122		04/13/17 14:23	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/13/17 14:23	1
4-Bromofluorobenzene (Surr)	99		75 - 125		04/13/17 14:23	1
Dibromofluoromethane (Surr)	101		77 - 118		04/13/17 14:23	1

Lab Sample ID: LCS 580-243076/6

Matrix: Water

Analysis Batch: 243076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	11.1		ug/L		111	80 - 120
Toluene	10.0	11.6		ug/L		116	75 - 120
Ethylbenzene	10.0	11.1		ug/L		111	75 - 119
m-Xylene & p-Xylene	10.0	10.8		ug/L		108	75 - 119
o-Xylene	10.0	11.0		ug/L		110	74 - 120
Xylenes, Total	20.0	21.8		ug/L		109	75 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 141
Toluene-d8 (Surr)	103		82 - 122
1,2-Dichloroethane-d4 (Surr)	101		65 - 143
4-Bromofluorobenzene (Surr)	97		75 - 125

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCS 580-243076/6

Matrix: Water

Analysis Batch: 243076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	101		77 - 118

Lab Sample ID: LCSD 580-243076/7

Matrix: Water

Analysis Batch: 243076

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	10.6		ug/L		106	80 - 120	5	14
Toluene	10.0	11.0		ug/L		110	75 - 120	6	19
Ethylbenzene	10.0	10.4		ug/L		104	75 - 119	7	14
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	75 - 119	6	14
o-Xylene	10.0	10.3		ug/L		103	74 - 120	7	16
Xylenes, Total	20.0	20.5		ug/L		103	75 - 119	6	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 141
Toluene-d8 (Surr)	103		82 - 122
1,2-Dichloroethane-d4 (Surr)	100		65 - 143
4-Bromofluorobenzene (Surr)	98		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: 580-67121-18 MS

Matrix: Water

Analysis Batch: 243076

Client Sample ID: MW-27_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2.5	H	10.0	11.5	H	ug/L		90	80 - 120
Toluene	ND	H	10.0	10.2	H	ug/L		94	75 - 120
Ethylbenzene	52	H	10.0	59.6	H 4	ug/L		75	75 - 119
m-Xylene & p-Xylene	9.2	H	10.0	17.7	H	ug/L		85	75 - 119
o-Xylene	ND	H	10.0	9.68	H	ug/L		97	74 - 120
Xylenes, Total	9.2	H	20.0	27.4	H	ug/L		91	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 141
Toluene-d8 (Surr)	101		82 - 122
1,2-Dichloroethane-d4 (Surr)	102		65 - 143
4-Bromofluorobenzene (Surr)	101		75 - 125
Dibromofluoromethane (Surr)	103		77 - 118

Lab Sample ID: 580-67121-18 MSD

Matrix: Water

Analysis Batch: 243076

Client Sample ID: MW-27_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	2.5	H	10.0	11.5	H	ug/L		89	80 - 120	1	35
Toluene	ND	H	10.0	10.6	H	ug/L		97	75 - 120	4	35

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-18 MSD

Matrix: Water

Analysis Batch: 243076

Client Sample ID: MW-27_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	52	H	10.0	57.2	H 4	ug/L		50	75 - 119	4	35
m-Xylene & p-Xylene	9.2	H	10.0	17.2	H	ug/L		80	75 - 119	3	35
o-Xylene	ND	H	10.0	9.76	H	ug/L		98	74 - 120	1	35
Xylenes, Total	9.2	H	20.0	27.0	H	ug/L		89	75 - 119	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 141
Toluene-d8 (Surr)	101		82 - 122
1,2-Dichloroethane-d4 (Surr)	101		65 - 143
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	102		77 - 118

Lab Sample ID: MB 580-243416/5

Matrix: Water

Analysis Batch: 243416

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/18/17 11:51	1
Toluene	ND		2.0		ug/L			04/18/17 11:51	1
Ethylbenzene	ND		3.0		ug/L			04/18/17 11:51	1
Xylenes, Total	ND		3.0		ug/L			04/18/17 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 141		04/18/17 11:51	1
Toluene-d8 (Surr)	104		82 - 122		04/18/17 11:51	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 143		04/18/17 11:51	1
4-Bromofluorobenzene (Surr)	100		75 - 125		04/18/17 11:51	1
Dibromofluoromethane (Surr)	102		77 - 118		04/18/17 11:51	1

Lab Sample ID: LCS 580-243416/6

Matrix: Water

Analysis Batch: 243416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	11.3		ug/L		113	80 - 120
Toluene	10.0	11.3		ug/L		113	75 - 120
Ethylbenzene	10.0	10.6		ug/L		106	75 - 119
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	75 - 119
o-Xylene	10.0	10.5		ug/L		105	74 - 120
Xylenes, Total	20.0	20.8		ug/L		104	75 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 141
Toluene-d8 (Surr)	104		82 - 122
1,2-Dichloroethane-d4 (Surr)	100		65 - 143
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	103		77 - 118

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-243416/7

Matrix: Water

Analysis Batch: 243416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	10.0	11.0		ug/L		110	80 - 120	3	14
Toluene	10.0	11.1		ug/L		111	75 - 120	2	19
Ethylbenzene	10.0	10.1		ug/L		101	75 - 119	4	14
m-Xylene & p-Xylene	10.0	9.96		ug/L		100	75 - 119	3	14
o-Xylene	10.0	10.3		ug/L		103	74 - 120	1	16
Xylenes, Total	20.0	20.3		ug/L		101	75 - 119	3	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 141
Toluene-d8 (Surr)	104		82 - 122
1,2-Dichloroethane-d4 (Surr)	101		65 - 143
4-Bromofluorobenzene (Surr)	99		75 - 125
Dibromofluoromethane (Surr)	103		77 - 118

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

Lab Sample ID: 580-67121-32 MS

Matrix: Water

Analysis Batch: 242948

Client Sample ID: MW-43_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene - DL	ND	H	1000	911	H	ug/L		91	80 - 120
Toluene - DL	ND	H	1000	968	H	ug/L		97	75 - 120
Ethylbenzene - DL	ND	H	1000	1250	H	ug/L		111	75 - 119
m-Xylene & p-Xylene - DL	660	H	1000	1610	H	ug/L		95	75 - 119
o-Xylene - DL	ND	H	1000	1080	H	ug/L		97	74 - 120
Xylenes, Total - DL	660	H	2000	2690	H	ug/L		102	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr) - DL	99		80 - 141
Toluene-d8 (Surr) - DL	102		82 - 122
1,2-Dichloroethane-d4 (Surr) - DL	109		65 - 143
4-Bromofluorobenzene (Surr) - DL	102		75 - 125
Dibromofluoromethane (Surr) - DL	102		77 - 118

Lab Sample ID: 580-67121-32 MSD

Matrix: Water

Analysis Batch: 242948

Client Sample ID: MW-43_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene - DL	ND	H	1000	881	H	ug/L		88	80 - 120	3	35
Toluene - DL	ND	H	1000	959	H	ug/L		96	75 - 120	1	35
Ethylbenzene - DL	ND	H	1000	1240	H	ug/L		110	75 - 119	1	35
m-Xylene & p-Xylene - DL	660	H	1000	1600	H	ug/L		94	75 - 119	1	35
o-Xylene - DL	ND	H	1000	1080	H	ug/L		96	74 - 120	1	35

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-32 MSD

Matrix: Water

Analysis Batch: 242948

Client Sample ID: MW-43_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total - DL	660	H	2000	2680	H	ug/L		101	75 - 119	0	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr) - DL	99		80 - 141								
Toluene-d8 (Surr) - DL	102		82 - 122								
1,2-Dichloroethane-d4 (Surr) - DL	109		65 - 143								
4-Bromofluorobenzene (Surr) - DL	101		75 - 125								
Dibromofluoromethane (Surr) - DL	102		77 - 118								

Lab Sample ID: 580-67121-42 MS

Matrix: Water

Analysis Batch: 242948

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene - DL	270	H	250	497	H	ug/L		89	80 - 120		
Ethylbenzene - DL	1400	H	250	1610	H 4	ug/L		104	75 - 119		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Trifluorotoluene (Surr) - DL	98		80 - 141								
Toluene-d8 (Surr) - DL	104		82 - 122								
1,2-Dichloroethane-d4 (Surr) - DL	107		65 - 143								
4-Bromofluorobenzene (Surr) - DL	102		75 - 125								
Dibromofluoromethane (Surr) - DL	104		77 - 118								

Lab Sample ID: 580-67121-42 MSD

Matrix: Water

Analysis Batch: 242948

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene - DL	270	H	250	495	H	ug/L		88	80 - 120	1	35
Ethylbenzene - DL	1400	H	250	1580	H 4	ug/L		90	75 - 119	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr) - DL	98		80 - 141								
Toluene-d8 (Surr) - DL	103		82 - 122								
1,2-Dichloroethane-d4 (Surr) - DL	106		65 - 143								
4-Bromofluorobenzene (Surr) - DL	102		75 - 125								
Dibromofluoromethane (Surr) - DL	101		77 - 118								

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: MB 580-242164/3

Matrix: Water

Analysis Batch: 242164

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/04/17 13:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		50 - 150					04/04/17 13:10	1

Lab Sample ID: LCS 580-242164/4

Matrix: Water

Analysis Batch: 242164

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	1000	957		ug/L		96	79 - 110		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Trifluorotoluene (Surr)	100		50 - 150						

Lab Sample ID: LCSD 580-242164/5

Matrix: Water

Analysis Batch: 242164

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	959		ug/L		96	79 - 110	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	99		50 - 150						

Lab Sample ID: MB 580-242197/3

Matrix: Water

Analysis Batch: 242197

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/05/17 04:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		50 - 150					04/05/17 04:26	1

Lab Sample ID: LCS 580-242197/4

Matrix: Water

Analysis Batch: 242197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	1000	930		ug/L		93	79 - 110		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Trifluorotoluene (Surr)	99		50 - 150						

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-242197/5

Matrix: Water

Analysis Batch: 242197

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	921		ug/L		92	79 - 110	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	96		50 - 150						

Lab Sample ID: MB 580-242338/3

Matrix: Water

Analysis Batch: 242338

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/06/17 17:06	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		50 - 150					04/06/17 17:06	1

Lab Sample ID: LCS 580-242338/4

Matrix: Water

Analysis Batch: 242338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline			1000	945		ug/L		94	79 - 110		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
Trifluorotoluene (Surr)	98		50 - 150								

Lab Sample ID: LCSD 580-242338/5

Matrix: Water

Analysis Batch: 242338

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	954		ug/L		95	79 - 110	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	97		50 - 150						

Lab Sample ID: 580-67121-60 MS

Matrix: Water

Analysis Batch: 242338

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	ND	H	1000	908	H	ug/L		91	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Trifluorotoluene (Surr)	93		50 - 150								

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-60 MSD

Matrix: Water

Analysis Batch: 242338

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND	H	1000	1030	H	ug/L		103	50 - 150	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	97		50 - 150								

Lab Sample ID: MB 580-243613/4

Matrix: Water

Analysis Batch: 243613

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/20/17 04:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
Trifluorotoluene (Surr)	109		50 - 150						
							Prepared	Analyzed	Dil Fac
								04/20/17 04:29	1

Lab Sample ID: LCS 580-243613/5

Matrix: Water

Analysis Batch: 243613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	878		ug/L		88	79 - 110		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
Trifluorotoluene (Surr)		103		50 - 150							

Lab Sample ID: LCSD 580-243613/6

Matrix: Water

Analysis Batch: 243613

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	817		ug/L		82	79 - 110	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	93		50 - 150						

Lab Sample ID: MB 580-243738/4

Matrix: Water

Analysis Batch: 243738

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			04/20/17 20:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
Trifluorotoluene (Surr)	0.6	X	50 - 150						
							Prepared	Analyzed	Dil Fac
								04/20/17 20:03	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCS 580-243738/5

Matrix: Water

Analysis Batch: 243738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline			1000	862		ug/L	-	86	79 - 110		
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
Trifluorotoluene (Surr)	103		50 - 150								

Lab Sample ID: LCSD 580-243738/6

Matrix: Water

Analysis Batch: 243738

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Data: 140700											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	818		ug/L	-	82	79 - 110	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
Trifluorotoluene (Surr)	95		50 - 150								

Lab Sample ID: 580-67121-42 MS

Matrix: Water

Analysis Batch: 243738

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	13000	H	1000	14300	H 4	ug/L		88	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Trifluorotoluene (Surr)	116		50 - 150								

Lab Sample ID: 580-67121-42 MSD

Matrix: Water

Analysis Batch: 243738

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	13000	H	1000	14300	H 4	ug/L	-	82	50 - 150	0	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	114		50 - 150								

Lab Sample ID: MB 580-243741/4

Matrix: Water

Analysis Batch: 243741

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L	-		04/21/17 11:35	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		50 - 150					04/21/17 11:35	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCS 580-243741/5

Matrix: Water

Analysis Batch: 243741

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	871		ug/L		87	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Trifluorotoluene (Surr)	103		50 - 150				

Lab Sample ID: LCSD 580-243741/6

Matrix: Water

Analysis Batch: 243741

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	908		ug/L	-	91	79 - 110	4	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
Trifluorotoluene (Surr)	107		50 - 150								

Lab Sample ID: 580-67121-18 MS

Matrix: Water

Analysis Batch: 243741

Client Sample ID: MW-27_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	4400	H	1000	5190	H 4	ug/L	-	84	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Trifluorotoluene (Surr)	99		50 - 150								

Lab Sample ID: 580-67121-18 MSD

Matrix: Water

Analysis Batch: 243741

Client Sample ID: MW-27_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	4400	H	1000	5060	H 4	ug/L	-	71	50 - 150	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	101		50 - 150								

Lab Sample ID: MB 580-243985/4

Matrix: Water

Analysis Batch: 243985

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L	-		04/24/17 11:00	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		50 - 150					04/24/17 11:00	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCS 580-243985/5

Matrix: Water

Analysis Batch: 243985

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	880		ug/L		88	79 - 110		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
Trifluorotoluene (Surr)		99		50 - 150							

Lab Sample ID: LCSD 580-243985/6

Matrix: Water

Analysis Batch: 243985

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	863		ug/L		86	79 - 110	2	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
Trifluorotoluene (Surr)	95		50 - 150								

Lab Sample ID: 580-67121-41 MS

Matrix: Water

Analysis Batch: 243985

Client Sample ID: MW-51_20170321

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	ND	H	1000	987	H	ug/L		99	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Trifluorotoluene (Surr)	107		50 - 150								

Lab Sample ID: 580-67121-41 MSD

Matrix: Water

Analysis Batch: 243985

Client Sample ID: MW-51_20170321

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline	ND	H	1000	746	H	ug/L		75	50 - 150	28	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	98		50 - 150								

Lab Sample ID: MB 580-244298/4

Matrix: Water

Analysis Batch: 244298

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline	ND		50		ug/L			04/26/17 13:25	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
Trifluorotoluene (Surr)	129		50 - 150		04/26/17 13:25	1			

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCS 580-244298/5

Matrix: Water

Analysis Batch: 244298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	930		ug/L		93	79 - 110		
Surrogate			LCS %Recovery	LCS Qualifier	Limits						
Trifluorotoluene (Surr)			106		50 - 150						

Lab Sample ID: LCSD 580-244298/6

Matrix: Water

Analysis Batch: 244298

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	909		ug/L	-	91	79 - 110	2	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
Trifluorotoluene (Surr)	103		50 - 150								

Lab Sample ID: 580-67121-32 MS

Matrix: Water

Analysis Batch: 244298

Client Sample ID: MW-43_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	26000	H	25000	49600	H	ug/L		94	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Trifluorotoluene (Surr)	110		50 - 150								

Lab Sample ID: 580-67121-32 MSD

Matrix: Water

Analysis Batch: 244298

Client Sample ID: MW-43_20170322

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	26000	H	25000	49700	H	ug/L	-	95	50 - 150	0	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	112		50 - 150								

Lab Sample ID: MB 580-246612/6

Matrix: Water

Analysis Batch: 246612

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L	-		05/23/17 12:24	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		50 - 150					05/23/17 12:24	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCS 580-246612/7

Matrix: Water

Analysis Batch: 246612

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS							
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits		
Gasoline			1000	889		ug/L	-	89	79 - 110			
Surrogate	LCS	LCS										
	%Recovery	Qualifier	Limits									
Trifluorotoluene (Surr)	97		50 - 150									

Lab Sample ID: LCSD 580-246612/8

Matrix: Water

Analysis Batch: 246612

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Data: 1/10/12											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	888		ug/L	-	89	79 - 110	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
Trifluorotoluene (Surr)	96		50 - 150								

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

Lab Sample ID: MB 580-242112/1-A

Matrix: Water

Analysis Batch: 242160

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242112

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 09:18	04/04/17 14:27	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 09:18	04/04/17 14:27	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
o-Terphenyl	78		50 - 150				04/04/17 09:18	04/04/17 14:27	1

Lab Sample ID: LCS 580-242112/2-A

Matrix: Water

Analysis Batch: 242160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242112

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)			2010	1760		ug/L		87	59 - 120
Motor Oil (>C24-C36)			2010	2010		ug/L		100	53 - 129
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	92		50 - 150						

Lab Sample ID: LCSD 580-242112/3-A

Matrix: Water

Analysis Batch: 242160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 242112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2010	1710		ug/L		85	59 - 120	3	27
Motor Oil (>C24-C36)	2010	1970		ug/L		98	53 - 129	2	19

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: LCSD 580-242112/3-A

Matrix: Water

Analysis Batch: 242160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 242112

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

Lab Sample ID: MB 580-242130/1-A

Matrix: Water

Analysis Batch: 242207

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/17 11:08	04/04/17 19:25	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/04/17 11:08	04/04/17 19:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150				04/04/17 11:08	04/04/17 19:25	1

Lab Sample ID: LCS 580-242130/2-A

Matrix: Water

Analysis Batch: 242207

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2010	1610		ug/L		80	59 - 120
Motor Oil (>C24-C36)	2010	1770		ug/L		88	53 - 129
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	74		50 - 150				

Lab Sample ID: LCSD 580-242130/3-A

Matrix: Water

Analysis Batch: 242207

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2010	1440		ug/L		72	59 - 120	11	27
Motor Oil (>C24-C36)	2010	1660		ug/L		83	53 - 129	6	19
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	71		50 - 150						

Lab Sample ID: 580-67121-18 MS

Matrix: Water

Analysis Batch: 242207

Client Sample ID: MW-27_20170322

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	1900	F1	2030	3070	F1	ug/L		57	59 - 120
Motor Oil (>C24-C36)	ND	F1 F2	2030	1700		ug/L		78	63 - 129
Surrogate	MS %Recovery	MS Qualifier	Limits						
o-Terphenyl	69		50 - 150						

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-18 MSD

Matrix: Water

Analysis Batch: 242207

Client Sample ID: MW-27_20170322

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	1900	F1	2050	2630	F1	ug/L		35	59 - 120	16	27
Motor Oil (>C24-C36)	ND	F1 F2	2050	1380	F1 F2	ug/L		62	63 - 129	21	19
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
o-Terphenyl	58			50 - 150							

Lab Sample ID: 580-67121-41 MS

Matrix: Water

Analysis Batch: 242207

Client Sample ID: MW-51_20170321

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	ND		2050	1710		ug/L		84	59 - 120		
Motor Oil (>C24-C36)	ND		2050	1930		ug/L		94	63 - 129		
Surrogate	%Recovery	MS Qualifier	MS	Limits							
o-Terphenyl	77			50 - 150							

Lab Sample ID: 580-67121-41 MSD

Matrix: Water

Analysis Batch: 242207

Client Sample ID: MW-51_20170321

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	ND		2040	1740		ug/L		85	59 - 120	1	27
Motor Oil (>C24-C36)	ND		2040	1910		ug/L		94	63 - 129	1	19
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
o-Terphenyl	77			50 - 150							

Lab Sample ID: 580-67121-42 MS

Matrix: Water

Analysis Batch: 242207

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	3900		2030	5640		ug/L		86	59 - 120		
Motor Oil (>C24-C36)	ND		2030	1770		ug/L		81	63 - 129		
Surrogate	%Recovery	MS Qualifier	MS	Limits							
o-Terphenyl	68			50 - 150							

Lab Sample ID: 580-67121-42 MSD

Matrix: Water

Analysis Batch: 242207

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Prep Batch: 242130

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	3900		2050	5690		ug/L		87	59 - 120	1	27
Motor Oil (>C24-C36)	ND		2050	1820		ug/L		83	63 - 129	3	19

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-42 MSD

Matrix: Water

Analysis Batch: 242207

Client Sample ID: MW-52_20170321

Prep Type: Total/NA

Prep Batch: 242130

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	70		50 - 150

Lab Sample ID: MB 580-242237/1-A

Matrix: Water

Analysis Batch: 242321

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		120		ug/L		04/05/17 09:42	04/05/17 16:58	1
Motor Oil (>C24-C36)	ND		280		ug/L		04/05/17 09:42	04/05/17 16:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150				04/05/17 09:42	04/05/17 16:58	1

Lab Sample ID: LCS 580-242237/2-A

Matrix: Water

Analysis Batch: 242321

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2010	1430		ug/L		71	59 - 120
Motor Oil (>C24-C36)	2010	1610		ug/L		80	53 - 129
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	73		50 - 150				

Lab Sample ID: LCSD 580-242237/3-A

Matrix: Water

Analysis Batch: 242321

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 242237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2010	1480		ug/L		74	59 - 120	3	27
Motor Oil (>C24-C36)	2010	1680		ug/L		83	53 - 129	4	19
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	82		50 - 150						

Lab Sample ID: 580-67121-32 MS

Matrix: Water

Analysis Batch: 242321

Client Sample ID: MW-43_20170322

Prep Type: Total/NA

Prep Batch: 242237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	4900	F1	2030	6050	F1	ug/L		56	59 - 120
Motor Oil (>C24-C36)	ND		2030	1700		ug/L		84	63 - 129
Surrogate	MS %Recovery	MS Qualifier	Limits						
o-Terphenyl	80		50 - 150						

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-32 MSD

Matrix: Water

Analysis Batch: 242321

Client Sample ID: MW-43_20170322

Prep Type: Total/NA

Prep Batch: 242237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	4900	F1	2040	5700	F1	ug/L		39	59 - 120	6	27
Motor Oil (>C24-C36)	ND		2040	1600		ug/L		79	63 - 129	6	19
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	73		50 - 150								

Lab Sample ID: MB 580-242257/1-A

Matrix: Water

Analysis Batch: 242331

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/17 11:06	04/05/17 18:20	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/05/17 11:06	04/05/17 18:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150				04/05/17 11:06	04/05/17 18:20	1

Lab Sample ID: LCS 580-242257/2-A

Matrix: Water

Analysis Batch: 242331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2010	1530		ug/L		76	59 - 120		
Motor Oil (>C24-C36)	2010	1720		ug/L		85	53 - 129		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	72		50 - 150						

Lab Sample ID: LCSD 580-242257/3-A

Matrix: Water

Analysis Batch: 242331

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 242257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2010	1400		ug/L		70	59 - 120	8	27
Motor Oil (>C24-C36)	2010	1660		ug/L		83	53 - 129	3	19
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	70		50 - 150						

Lab Sample ID: 580-67121-60 MS

Matrix: Water

Analysis Batch: 242331

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Prep Batch: 242257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	ND		2050	1250		ug/L		60	59 - 120		
Motor Oil (>C24-C36)	ND		2050	1440		ug/L		70	63 - 129		

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

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

Lab Sample ID: 580-67121-60 MS

Matrix: Water

Analysis Batch: 242331

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Prep Batch: 242257

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	62		50 - 150

Lab Sample ID: 580-67121-60 MSD

Matrix: Water

Analysis Batch: 242331

Client Sample ID: MW-69_20170323

Prep Type: Total/NA

Prep Batch: 242257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND		2030	1530		ug/L		74	59 - 120	20	27
Motor Oil (>C24-C36)	ND		2040	1700		ug/L		84	63 - 129	17	19
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	72		50 - 150								

Lab Sample ID: MB 580-242462/1-A

Matrix: Water

Analysis Batch: 242499

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/06/17 17:51	04/07/17 12:29	1
Motor Oil (>C24-C36)	ND		250		ug/L		04/06/17 17:51	04/07/17 12:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150				04/06/17 17:51	04/07/17 12:29	1

Lab Sample ID: LCS 580-242462/2-A

Matrix: Water

Analysis Batch: 242499

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242462

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2010	1620		ug/L		81	59 - 120		
Motor Oil (>C24-C36)	2010	1730		ug/L		86	53 - 129		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	81		50 - 150						

Lab Sample ID: LCSD 580-242462/3-A

Matrix: Water

Analysis Batch: 242499

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 242462

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2010	1650		ug/L		82	59 - 120	2	27
Motor Oil (>C24-C36)	2010	1740		ug/L		87	53 - 129	1	19
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	82		50 - 150						

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: C_20170322

Date Collected: 03/22/17 11:30

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 17:01	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 12:03	CJ	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/04/17 23:53	W1T	TAL SEA

Client Sample ID: MW-1_20170321

Date Collected: 03/21/17 08:00

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 14:59	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 20:18	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 15:46	W1T	TAL SEA

Client Sample ID: MW-2_20170321

Date Collected: 03/21/17 08:20

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 15:26	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 15:43	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 16:12	W1T	TAL SEA

Client Sample ID: MW-9_20170321

Date Collected: 03/21/17 10:00

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 15:53	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 16:13	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 16:37	W1T	TAL SEA

Client Sample ID: MW-12_20170322

Date Collected: 03/22/17 11:30

Date Received: 03/24/17 11:10

Lab Sample ID: 580-67121-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 17:28	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243613	04/20/17 07:09	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 00:15	W1T	TAL SEA

Client Sample ID: MW-14_20170321

Lab Sample ID: 580-67121-6

Date Collected: 03/21/17 11:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 16:20	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 16:44	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 17:03	W1T	TAL SEA

Client Sample ID: MW-17A_20170321

Lab Sample ID: 580-67121-7

Date Collected: 03/21/17 15:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 16:47	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 17:15	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 17:29	W1T	TAL SEA

Client Sample ID: MW-18_20170321

Lab Sample ID: 580-67121-8

Date Collected: 03/21/17 16:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	242150	04/04/17 22:37	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		25	242164	04/04/17 21:49	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 17:55	W1T	TAL SEA

Client Sample ID: MW-19_20170322

Lab Sample ID: 580-67121-9

Date Collected: 03/22/17 10:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 17:55	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	25	242811	04/12/17 01:22	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	242197	04/05/17 14:05	CJ	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 00:37	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-20_20170321

Lab Sample ID: 580-67121-10

Date Collected: 03/21/17 09:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 17:14	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 17:45	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 18:21	W1T	TAL SEA

Client Sample ID: Dup-1_20170321

Lab Sample ID: 580-67121-11

Date Collected: 03/21/17 06:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 17:41	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	25	242811	04/12/17 01:49	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	242164	04/04/17 22:20	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 19:13	W1T	TAL SEA

Client Sample ID: Trip Blank-1_20170321

Lab Sample ID: 580-67121-12

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 14:32	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 14:42	W1T	TAL SEA

Client Sample ID: MW-21_20170321

Lab Sample ID: 580-67121-13

Date Collected: 03/21/17 08:40

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	242150	04/04/17 21:43	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	242164	04/04/17 22:51	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 19:38	W1T	TAL SEA

Client Sample ID: MW-22_20170322

Lab Sample ID: 580-67121-14

Date Collected: 03/22/17 14:35

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 18:22	W1T	TAL SEA
Total/NA	Analysis	8260C	RA	1	242811	04/12/17 00:55	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 16:25	J1J	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 00:59	W1T	TAL SEA

Client Sample ID: MW-23_20170322

Lab Sample ID: 580-67121-15

Date Collected: 03/22/17 11:45

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 18:49	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 17:29	J1J	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 01:22	W1T	TAL SEA

Client Sample ID: MW-24_20170322

Lab Sample ID: 580-67121-16

Date Collected: 03/22/17 09:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 19:16	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 18:01	J1J	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 01:44	W1T	TAL SEA

Client Sample ID: MW-25_20170321

Lab Sample ID: 580-67121-17

Date Collected: 03/21/17 14:40

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	242150	04/04/17 22:10	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	100	242811	04/12/17 02:16	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	242164	04/05/17 23:21	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 20:03	W1T	TAL SEA

Client Sample ID: MW-27_20170322

Lab Sample ID: 580-67121-18

Date Collected: 03/22/17 09:05

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	243076	04/13/17 21:50	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/22/17 00:25	J1J	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 02:06	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-29_20170322

Lab Sample ID: 580-67121-19

Date Collected: 03/22/17 09:35

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 19:42	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	10	242811	04/12/17 02:43	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 18:33	J1J	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 03:34	W1T	TAL SEA

Client Sample ID: MW-31_20170322

Lab Sample ID: 580-67121-20

Date Collected: 03/22/17 09:55

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		250	242954	04/13/17 04:38	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	50	242811	04/12/17 03:10	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		100	243985	04/24/17 15:07	TL1	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 03:56	W1T	TAL SEA

Client Sample ID: MW-32_20170322

Lab Sample ID: 580-67121-21

Date Collected: 03/22/17 09:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	10	242811	04/12/17 03:37	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 19:37	J1J	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/05/17 04:19	W1T	TAL SEA

Client Sample ID: Dup-2_20170321

Lab Sample ID: 580-67121-22

Date Collected: 03/21/17 06:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 18:08	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	10	242811	04/12/17 04:04	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242164	04/04/17 20:48	W1T	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 20:28	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Trip Blank-2_20170321

Lab Sample ID: 580-67121-23

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 18:34	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 05:58	CJ	TAL SEA

Client Sample ID: MW-35_20170322

Lab Sample ID: 580-67121-24

Date Collected: 03/22/17 09:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	50	242811	04/12/17 04:30	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	250	242948	04/13/17 04:58	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		200	243985	04/24/17 15:39	TL1	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 19:27	TL1	TAL SEA

Client Sample ID: MW-36_20170322

Lab Sample ID: 580-67121-25

Date Collected: 03/22/17 10:15

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	50	242811	04/12/17 04:57	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	200	242948	04/13/17 05:25	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		100	243985	04/24/17 16:12	TL1	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 19:52	TL1	TAL SEA

Client Sample ID: MW-37_20170321

Lab Sample ID: 580-67121-26

Date Collected: 03/21/17 14:35

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 19:01	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 08:00	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 20:53	W1T	TAL SEA

Client Sample ID: MW-38_20170321

Lab Sample ID: 580-67121-27

Date Collected: 03/21/17 14:20

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 19:28	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 08:30	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 21:19	W1T	TAL SEA

Client Sample ID: MW-39_20170321

Lab Sample ID: 580-67121-28

Date Collected: 03/21/17 14:15

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 19:55	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 09:01	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 21:43	W1T	TAL SEA

Client Sample ID: MW-40_20170321

Lab Sample ID: 580-67121-29

Date Collected: 03/21/17 09:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 20:22	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 10:01	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 22:08	W1T	TAL SEA

Client Sample ID: MW-41_20170322

Lab Sample ID: 580-67121-30

Date Collected: 03/22/17 14:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242811	04/12/17 00:01	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 21:13	J1J	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 20:17	TL1	TAL SEA

Client Sample ID: MW-42_20170322

Lab Sample ID: 580-67121-31

Date Collected: 03/22/17 14:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 22:25	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	25	242811	04/12/17 05:25	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 21:45	J1J	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 20:41	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-43_20170322

Lab Sample ID: 580-67121-32

Date Collected: 03/22/17 14:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	100	242948	04/13/17 07:39	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		25	244298	04/26/17 17:10	CJ	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 21:31	TL1	TAL SEA

Client Sample ID: Dup-3_20170322

Lab Sample ID: 580-67121-33

Date Collected: 03/22/17 06:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 22:52	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	10	242811	04/12/17 05:52	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 22:17	J1J	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 22:45	TL1	TAL SEA

Client Sample ID: Trip Blank-3_20170321

Lab Sample ID: 580-67121-34

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 14:05	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 06:28	CJ	TAL SEA

Client Sample ID: MW-44_20170322

Lab Sample ID: 580-67121-35

Date Collected: 03/22/17 15:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 23:19	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	10	242811	04/12/17 06:19	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 23:20	J1J	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 23:10	TL1	TAL SEA

Client Sample ID: MW-45_20170321

Lab Sample ID: 580-67121-36

Date Collected: 03/21/17 15:15

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 20:49	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	10	242811	04/12/17 06:45	J1J	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		10	246612	05/23/17 13:59	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 22:33	W1T	TAL SEA

Client Sample ID: MW-47_20170321

Lab Sample ID: 580-67121-37

Date Collected: 03/21/17 14:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242150	04/04/17 21:16	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 10:32	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 22:58	W1T	TAL SEA
Total/NA	Prep	3510C			242462	04/06/17 17:51	JCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242499	04/07/17 13:45	KZ1	TAL SEA

Client Sample ID: MW-48_20170321

Lab Sample ID: 580-67121-38

Date Collected: 03/21/17 10:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 02:12	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 11:02	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/04/17 23:48	W1T	TAL SEA

Client Sample ID: MW-49_20170321

Lab Sample ID: 580-67121-39

Date Collected: 03/21/17 10:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 02:39	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 11:33	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/05/17 00:13	W1T	TAL SEA

Client Sample ID: MW-50_20170321

Lab Sample ID: 580-67121-40

Date Collected: 03/21/17 09:20

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 03:06	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243613	04/20/17 08:14	CJ	TAL SEA
Total/NA	Prep	3510C			242112	04/04/17 09:18	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242160	04/05/17 00:38	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-51_20170321

Lab Sample ID: 580-67121-41

Date Collected: 03/21/17 15:35

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 09:23	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243985	04/24/17 13:30	TL1	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/04/17 20:32	W1T	TAL SEA

Client Sample ID: MW-52_20170321

Lab Sample ID: 580-67121-42

Date Collected: 03/21/17 15:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 08:56	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	25	242948	04/13/17 03:38	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243738	04/21/17 04:38	W1T	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/04/17 21:39	W1T	TAL SEA

Client Sample ID: MW-53_20170322

Lab Sample ID: 580-67121-43

Date Collected: 03/22/17 10:20

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	25	242811	04/12/17 07:12	J1J	TAL SEA
Total/NA	Analysis	8260C	DL	250	242948	04/13/17 05:52	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		100	244298	04/26/17 16:06	CJ	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 23:35	TL1	TAL SEA

Client Sample ID: MW-54_20170321

Lab Sample ID: 580-67121-44

Date Collected: 03/21/17 14:55

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 03:33	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243613	04/20/17 08:46	CJ	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/04/17 22:46	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: Dup-4_20170322

Lab Sample ID: 580-67121-45

Date Collected: 03/22/17 08:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	25	242811	04/12/17 07:39	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 13:12	J1J	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/05/17 23:59	TL1	TAL SEA

Client Sample ID: Trip Blank-4_20170321

Lab Sample ID: 580-67121-46

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 04:00	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 06:59	CJ	TAL SEA

Client Sample ID: IW-1_20170321

Lab Sample ID: 580-67121-47

Date Collected: 03/21/17 10:40

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 04:27	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243613	04/20/17 09:18	CJ	TAL SEA
Total/NA	Prep	3510C			242130	04/04/17 11:08	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242207	04/04/17 23:30	W1T	TAL SEA

Client Sample ID: MW-55_20170323

Lab Sample ID: 580-67121-48

Date Collected: 03/23/17 10:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242426	04/06/17 23:37	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 19:39	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/05/17 22:24	TL1	TAL SEA

Client Sample ID: MW-56_20170323

Lab Sample ID: 580-67121-49

Date Collected: 03/23/17 09:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242426	04/07/17 00:04	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	25	242948	04/13/17 09:00	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 20:10	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-56_20170323

Lab Sample ID: 580-67121-49

Date Collected: 03/23/17 09:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	242331	04/05/17 22:47	TL1	TAL SEA

Client Sample ID: MW-61_20170323

Lab Sample ID: 580-67121-50

Date Collected: 03/23/17 07:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242426	04/07/17 00:31	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 20:40	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/05/17 23:09	TL1	TAL SEA

Client Sample ID: MW-62_20170323

Lab Sample ID: 580-67121-51

Date Collected: 03/23/17 08:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242426	04/07/17 00:58	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 21:11	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/05/17 23:31	TL1	TAL SEA

Client Sample ID: MW-63_20170323

Lab Sample ID: 580-67121-52

Date Collected: 03/23/17 09:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	243076	04/13/17 21:23	IWH	TAL SEA
Total/NA	Analysis	8260C	RA	1	243416	04/18/17 17:10	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 21:42	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/05/17 23:53	TL1	TAL SEA

Client Sample ID: MW-64_20170322

Lab Sample ID: 580-67121-53

Date Collected: 03/22/17 13:40

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242300	04/05/17 15:41	W1T	TAL SEA
Total/NA	Analysis	8260C	RA	1	242811	04/12/17 00:28	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 14:16	J1J	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-64_20170322

Lab Sample ID: 580-67121-53

Date Collected: 03/22/17 13:40

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	242321	04/06/17 00:24	TL1	TAL SEA

Client Sample ID: Dup-5_20170323

Lab Sample ID: 580-67121-54

Date Collected: 03/23/17 09:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242948	04/13/17 10:20	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 22:43	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/06/17 00:15	TL1	TAL SEA

Client Sample ID: Trip Blank-5_20170321

Lab Sample ID: 580-67121-55

Date Collected: 03/21/17 00:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242244	04/05/17 04:54	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242197	04/05/17 07:29	CJ	TAL SEA

Client Sample ID: MW-65_20170322

Lab Sample ID: 580-67121-56

Date Collected: 03/22/17 11:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 16:08	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	50	242811	04/12/17 08:06	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243741	04/21/17 14:48	J1J	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/06/17 00:49	TL1	TAL SEA

Client Sample ID: MW-66_20170322

Lab Sample ID: 580-67121-57

Date Collected: 03/22/17 11:10

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242300	04/05/17 16:34	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	10	242811	04/12/17 08:33	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	244298	04/26/17 16:38	CJ	TAL SEA
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/06/17 01:14	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-67_20170323

Lab Sample ID: 580-67121-58

Date Collected: 03/23/17 09:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242948	04/13/17 10:47	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 23:14	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/06/17 00:37	TL1	TAL SEA

Client Sample ID: MW-68_20170323

Lab Sample ID: 580-67121-59

Date Collected: 03/23/17 08:50

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242948	04/13/17 11:14	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/06/17 23:45	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/06/17 01:00	TL1	TAL SEA

Client Sample ID: MW-69_20170323

Lab Sample ID: 580-67121-60

Date Collected: 03/23/17 08:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	242954	04/13/17 03:19	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/07/17 04:52	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/06/17 01:22	TL1	TAL SEA

Client Sample ID: MW-70_20170323

Lab Sample ID: 580-67121-61

Date Collected: 03/23/17 07:30

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242948	04/13/17 11:41	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/07/17 00:16	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/06/17 02:50	TL1	TAL SEA

Client Sample ID: MW-71_20170322

Lab Sample ID: 580-67121-62

Date Collected: 03/22/17 14:15

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242948	04/13/17 09:27	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	243985	04/24/17 12:58	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Client Sample ID: MW-71_20170322

Lab Sample ID: 580-67121-62

Date Collected: 03/22/17 14:15

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			242237	04/05/17 09:42	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242321	04/06/17 02:03	TL1	TAL SEA

Client Sample ID: AG-WELL_20170323

Lab Sample ID: 580-67121-63

Date Collected: 03/23/17 13:00

Matrix: Water

Date Received: 03/24/17 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	242948	04/13/17 12:07	J1J	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	242338	04/07/17 00:46	D1R	TAL SEA
Total/NA	Prep	3510C			242257	04/05/17 11:06	Y1W	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	242331	04/06/17 03:13	TL1	TAL SEA

Laboratory References:

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

Accreditation/Certification Summary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C553	02-17-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Xylenes, Total

Sample Summary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-67121-1	C_20170322	Water	03/22/17 11:30	03/24/17 11:10
580-67121-2	MW-1_20170321	Water	03/21/17 08:00	03/24/17 11:10
580-67121-3	MW-2_20170321	Water	03/21/17 08:20	03/24/17 11:10
580-67121-4	MW-9_20170321	Water	03/21/17 10:00	03/24/17 11:10
580-67121-5	MW-12_20170322	Water	03/22/17 11:30	03/24/17 11:10
580-67121-6	MW-14_20170321	Water	03/21/17 11:30	03/24/17 11:10
580-67121-7	MW-17A_20170321	Water	03/21/17 15:30	03/24/17 11:10
580-67121-8	MW-18_20170321	Water	03/21/17 16:00	03/24/17 11:10
580-67121-9	MW-19_20170322	Water	03/22/17 10:50	03/24/17 11:10
580-67121-10	MW-20_20170321	Water	03/21/17 09:00	03/24/17 11:10
580-67121-11	Dup-1_20170321	Water	03/21/17 06:00	03/24/17 11:10
580-67121-12	Trip Blank-1_20170321	Water	03/21/17 00:00	03/24/17 11:10
580-67121-13	MW-21_20170321	Water	03/21/17 08:40	03/24/17 11:10
580-67121-14	MW-22_20170322	Water	03/22/17 14:35	03/24/17 11:10
580-67121-15	MW-23_20170322	Water	03/22/17 11:45	03/24/17 11:10
580-67121-16	MW-24_20170322	Water	03/22/17 09:30	03/24/17 11:10
580-67121-17	MW-25_20170321	Water	03/21/17 14:40	03/24/17 11:10
580-67121-18	MW-27_20170322	Water	03/22/17 09:05	03/24/17 11:10
580-67121-19	MW-29_20170322	Water	03/22/17 09:35	03/24/17 11:10
580-67121-20	MW-31_20170322	Water	03/22/17 09:55	03/24/17 11:10
580-67121-21	MW-32_20170322	Water	03/22/17 09:00	03/24/17 11:10
580-67121-22	Dup-2_20170321	Water	03/21/17 06:00	03/24/17 11:10
580-67121-23	Trip Blank-2_20170321	Water	03/21/17 00:00	03/24/17 11:10
580-67121-24	MW-35_20170322	Water	03/22/17 09:50	03/24/17 11:10
580-67121-25	MW-36_20170322	Water	03/22/17 10:15	03/24/17 11:10
580-67121-26	MW-37_20170321	Water	03/21/17 14:35	03/24/17 11:10
580-67121-27	MW-38_20170321	Water	03/21/17 14:20	03/24/17 11:10
580-67121-28	MW-39_20170321	Water	03/21/17 14:15	03/24/17 11:10
580-67121-29	MW-40_20170321	Water	03/21/17 09:10	03/24/17 11:10
580-67121-30	MW-41_20170322	Water	03/22/17 14:10	03/24/17 11:10
580-67121-31	MW-42_20170322	Water	03/22/17 14:30	03/24/17 11:10
580-67121-32	MW-43_20170322	Water	03/22/17 14:50	03/24/17 11:10
580-67121-33	Dup-3_20170322	Water	03/22/17 06:00	03/24/17 11:10
580-67121-34	Trip Blank-3_20170321	Water	03/21/17 00:00	03/24/17 11:10
580-67121-35	MW-44_20170322	Water	03/22/17 15:10	03/24/17 11:10
580-67121-36	MW-45_20170321	Water	03/21/17 15:15	03/24/17 11:10
580-67121-37	MW-47_20170321	Water	03/21/17 14:00	03/24/17 11:10
580-67121-38	MW-48_20170321	Water	03/21/17 10:50	03/24/17 11:10
580-67121-39	MW-49_20170321	Water	03/21/17 10:30	03/24/17 11:10
580-67121-40	MW-50_20170321	Water	03/21/17 09:20	03/24/17 11:10
580-67121-41	MW-51_20170321	Water	03/21/17 15:35	03/24/17 11:10
580-67121-42	MW-52_20170321	Water	03/21/17 15:00	03/24/17 11:10
580-67121-43	MW-53_20170322	Water	03/22/17 10:20	03/24/17 11:10
580-67121-44	MW-54_20170321	Water	03/21/17 14:55	03/24/17 11:10
580-67121-45	Dup-4_20170322	Water	03/22/17 08:00	03/24/17 11:10
580-67121-46	Trip Blank-4_20170321	Water	03/21/17 00:00	03/24/17 11:10
580-67121-47	IW-1_20170321	Water	03/21/17 10:40	03/24/17 11:10
580-67121-48	MW-55_20170323	Water	03/23/17 10:10	03/24/17 11:10
580-67121-49	MW-56_20170323	Water	03/23/17 09:50	03/24/17 11:10
580-67121-50	MW-61_20170323	Water	03/23/17 07:50	03/24/17 11:10
580-67121-51	MW-62_20170323	Water	03/23/17 08:10	03/24/17 11:10
580-67121-52	MW-63_20170323	Water	03/23/17 09:10	03/24/17 11:10
580-67121-53	MW-64_20170322	Water	03/22/17 13:40	03/24/17 11:10

TestAmerica Seattle

Sample Summary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-67121-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-67121-54	Dup-5_20170323	Water	03/23/17 09:00	03/24/17 11:10
580-67121-55	Trip Blank-5_20170321	Water	03/21/17 00:00	03/24/17 11:10
580-67121-56	MW-65_20170322	Water	03/22/17 11:10	03/24/17 11:10
580-67121-57	MW-66_20170322	Water	03/22/17 11:10	03/24/17 11:10
580-67121-58	MW-67_20170323	Water	03/23/17 09:30	03/24/17 11:10
580-67121-59	MW-68_20170323	Water	03/23/17 08:50	03/24/17 11:10
580-67121-60	MW-69_20170323	Water	03/23/17 08:30	03/24/17 11:10
580-67121-61	MW-70_20170323	Water	03/23/17 07:30	03/24/17 11:10
580-67121-62	MW-71_20170322	Water	03/22/17 14:15	03/24/17 11:10
580-67121-63	AG-WELL_20170323	Water	03/23/17 13:00	03/24/17 11:10



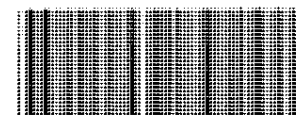
Laboratory Management Program LaMP Chain of Custody Record

Page 1 of 7

BP/ARC Project Name: Olympic Pipe Line CompanyReq Due Date (mm/dd/yy): Standard Rush TAT: Yes ☐ No ☐BP/ARC Facility No: Allen Station

Lab Work Order Number: _____

Lab Name: <u>Test America</u>				BP/ARC Facility Address: <u>16292 Ovenell Road</u>				Consultant/Contractor: <u>Antea Group</u>												
Lab Address: <u>Tacoma, WA</u>				City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>				Consultant/Contractor Project No: <u>WAALLAA171.10123</u>												
Lab PM: <u>Elaine Walker</u>				Lead Regulatory Agency: <u>WA Department of Ecology</u>				Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>												
Lab Phone: <u>253.248.4972</u>				California Global ID No.: <u>NA</u>				Consultant/Contractor PM: <u>Megan Richard</u>												
Lab Shipping Acct: <u>NA</u>				Enfos Proposal No: <u>WR312277 / 00BHW-0004</u>				Phone: P: <u>425.498.7711</u> F: <u>425.869.1892</u>												
Lab Bottle Order No: <u>NA</u>				Accounting Mode: Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>				Email EDD To: <u>Megan.Richard@anteagroup.com</u>												
Other Info: <u>elaine.walker@testamericainc.com</u>				Stage: <u>APPRAISE (10)</u> Activity: <u>INTERIM MEASURES (123)</u>				Invoice To: BP/ARC <u>X</u> Contractor <u> </u>												
BP/ARC EBM:				Matrix				No. Containers / Preservative				Requested Analyses				Report Type				
EBM Phone:																				
EBM Email:																				
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-Gx	NWTPH-DX	TB A2 Cooler Cor <u>5.2%</u> Unc <u>5.4</u> Cooler Dsc <u>Ly Green w/ @Lab</u> Wet/Packs Packing <u>bub</u> <u>lab Cor</u>			
	C_201703 22	3/ 22 /17	1130		X		8				8			X	X	X	TB A2 Cooler Cor <u>3.6%</u> Unc <u>3.8</u> Cooler Dsc <u>Ly Blue @Lab</u> Wet/Packs Packing <u>bub</u>			
	MW-1_201703 21	3/ 21 /17	0800		X		8				8			X	X	X	TB A2 Cooler Cor <u>1.5%</u> Unc <u>1.7</u> Cooler Dsc <u>Ly Blue @Lab</u> Wet/Packs Packing <u>bub</u>			
	MW-2_201703 21	3/ 21 /17	0820		X		8				8			X	X	X	TB A2 Cooler Cor <u>4.0%</u> Unc <u>4.2</u> Cooler Dsc <u>Ly Blue @Lab</u> Wet/Packs Packing <u>bub</u>			
	MW-9_201703 21	3/ 21 /17	1006		X		8				8			X	X	X				
	MW-12_201703 22	3/ 22 /17	1130		X		8				8			X	X	X				
	MW-14_201703 21	3/ 21 /17	1130		X		8				8			X	X	X				
	MW-17A_201703 21	3/ 21 /17	1530		X		8				8			X	X	X				
	MW-18_201703 21	3/ 21 /17	1600		X		8				8			X	X	X				
	MW-19_201703 22	3/ 22 /17	1050		X		8				8			X	X	X				
	MW-20_201703 21	3/ 21 /17	0908		X		8				8			X	X	X				
Sampler's Name: <u>Joseph Graves</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time					
Sampler's Company: <u>Antea Group</u>				<u>JOSEPH GRAVES / ANTEA</u>				<u>3/24/17</u>	<u>1110</u>	<u>Tom [Signature]</u>				<u>3/24/17</u>	<u>1110</u>					
Shipment Method: <u>COURIER</u> Ship Date: <u>3/24/17</u>																				
Shipment Tracking No:																				
Special Instructions:																				
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: _____ °F/C																				



580-67121 Chain of Custody

Yes / No

5/26/2017

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company

Req Due Date (mm/dd/yy): Standard Rush TAT: Yes ☐ No ☐

BP/ARC Facility No: Allen Station

Lab Work Order Number: _____

Lab Name: Test America	BP/ARC Facility Address: 16292 Ovenell Road	Consultant/Contractor: Antea Group
Lab Address: Tacoma, WA	City, State, ZIP Code: Mt. Vernon WA 98421	Consultant/Contractor Project No: WAALLAA171.10123
Lab PM: Elaine Walker	Lead Regulatory Agency: WA Department of Ecology	Address: 4006 148th Avenue NE, Redmond, WA 98052
Lab Phone: 253.248.4972	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard
Lab Shipping Acct: NA	Enfos Proposal No: WR312277 / 00BHW-0004	Phone: P: 425.498.7711 F: 425.869.1892
Lab Bottle Order No: NA	Accounting Mode: Provision ☒ OOC-BU ☐ OOC-RM ☐	Email EDD To: <u>Megan.Richard@anteagroup.com</u>
Other Info: <u>elaine.walker@testamericainc.com</u>	Stage: APPRAISE (10) Activity: INTERIM MEASURES (123)	Invoice To: BP/ARC ☒ Contractor ☐

BP/ARC EBM:				Matrix				No. Containers / Preservative						Requested Analyses										Report Type & QC Level			
EBM Phone:																										Standard <u>Y</u>	
EBM Email:																										Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-Gx	NWTPH-DX											Comments
	Dup-1_20170321	3/21/17	0600		X		8				8			X	X	X											
	Trip Blank-1_20170321	3/21/17	0000		X		6				6			X	X												
	MW-21_20170321	3/21/17	0840		X		8				8			X	X	X											
	MW-22_20170322	3/22/17	1435		X		8				8			X	X	X											
	MW-23_20170322	3/22/17	1145		X		8				8			X	X	X											
	MW-24_20170322	3/22/17	0930		X		8				8			X	X	X											
	MW-25_20170321	3/21/17	1440		X		8				8			X	X	X											
	MW-27_20170322	3/22/17	0905		X		24				24			X	X	X										MS/MSD	
	MW-28_201703	3/21/17			X									X	X	X											AS
	MW-29_20170322	3/22/17	0935		X		8				8			X	X	X											

Sampler's Name: <u>Josiah Glover</u>	Relinquished By / Affiliation: <u>USA GRAVES / ANTEA</u>	Date: <u>3/24/17</u>	Time: <u>1110</u>	Accepted By / Affiliation: <u>Tom Graves</u>	Date: <u>3/24/17</u>	Time: <u>1110</u>
Sampler's Company: Antea Group						
Shipment Method: <u>COVELEX</u> Ship Date: <u>3/24/17</u>						
Shipment Tracking No:						

Special Instructions:

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



Laboratory Management Program LaMP Chain of Custody Record

Page 4 of 7

BP/ARC Project Name: Olympic Pipe Line Company

Req Due Date (mm/dd/yy): Standard Rush TAT: Yes ☐ No ☐

BP/ARC Facility No: Allen Station

Lab Work Order Number: _____

Lab Name: <u>Test America</u>	BP/ARC Facility Address: <u>16292 Ovenell Road</u>	Consultant/Contractor: <u>Antea Group</u>
Lab Address: <u>Tacoma, WA</u>	City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>	Consultant/Contractor Project No: <u>WAALLAA171.10123</u>
Lab PM: <u>Elaine Walker</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.248.4972</u>	California Global ID No.: <u>NA</u>	Consultant/Contractor PM: <u>Megan Richard</u>
Lab Shipping Acct: <u>NA</u>	Enfos Proposal No: <u>WR312277 / 00BHW-0004</u>	Phone: P: <u>425.498.7711</u> F: <u>425.869.1892</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: Provision ☒ OOC-BU ☐ OOC-RM ☐	Email EDD To: <u>Megan.Richard@anteagroup.com</u>
Other Info: <u>elaine.walker@testamericainc.com</u>	Stage: <u>APPRAISE (10)</u> Activity: <u>INTERIM MEASURES (123)</u>	Invoice To: BP/ARC ☒ Contractor ☐

BP/ARC EBM:				Matrix				No. Containers / Preservative						Requested Analyses												Report Type & QC Level			
EBM Phone:								Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-Gx	NWTPH-DX												Standard <u>Y</u>
EBM Email:																													
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor																							Comments
	MW-40_201703 21	3/ 21 /17	0900		X			8				8			X	X	X												
	MW-41_201703 22	3/ 22/17	1410		X			8				8			X	X	X												
	MW-42_201703 22	3/ 22/17	1430		X			8				8			X	X	X												
	MW-43_201703 22	3/ 22/17	1450		X			24				24			X	X	X											MS/MSD	
	Dup-3_201703 22	3/ 22/17	0600		X			8				8			X	X	X												
	Trip Blank-3_201703 21	3/ 21 /17	0000		X			6				6			X	X													
	MW-44_201703 22	3/ 22 /17	1510		X			8				8			X	X	X												
	MW-45_201703 21	3/ 21 /17	1515		X			8				8			X	X	X												
	MW-47_201703 21	3/ 21 /17	1400		X			8				8			X	X	X												
	MW-48_201703 21	3/ 21 /17	1050		X			8				8			X	X	X												

Sampler's Name: <u>Joseph Glover</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Antea Group</u>	<u>USA GRADES / ANTEA</u>	<u>3/24/17</u>	<u>1110</u>	<u>Tom / [Signature]</u>	<u>3/24/17</u>	<u>1110</u>
Shipment Method: <u>CARRIER</u> Ship Date: <u>3/24/17</u>						
Shipment Tracking No:						

Special Instructions:

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

Client: Antea USA, Inc.

Job Number: 580-67121-1

Login Number: 67121

List Number: 1

Creator: Bean, Dennis L

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
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	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-69641-1

Client Project/Site: OPLC - Allen Station

Sampling Event: Allen Station Waters

For:

Antea USA, Inc.

4006 148th Ave NE

Redmond, Washington 98052

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:

7/24/2017 1:16:08 PM

Elaine Walker, Project Manager II

(253)248-4972

elaine.walker@testamericainc.com

LINKS

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results through

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The test results in this report meet all 2003 NELAC and 2009 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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The results listed in this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BP LaMP Technical Specification, applicable federal, state and local regulation and certification requirements as well as the methodologies as described in the laboratory SOPs reviewed by the BP LaMP. This Laboratory report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.

M. Elaine Walker

Elaine Walker
Project Manager II
7/24/2017 1:16:09 PM

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Case Narrative

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Job ID: 580-69641-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-69641-1

Receipt

Fifty-five samples were received on 6/29/2017 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were -0.1° C, 0.1° C, 2.3° C, 2.7° C and 3.2° C.

GC/MS VOA

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-18_20170628 (580-69641-5), MW-19_20170627 (580-69641-6), MW-21_20170627 (580-69641-8), MW-25_20170627 (580-69641-11), MW-27_20170628 (580-69641-12), MW-29_20170628 (580-69641-13), MW-29_20170628 (580-69641-13[MS]), MW-29_20170628 (580-69641-13[MSD]), MW-31_20170628 (580-69641-14), MW-32_20170627 (580-69641-15), MW-35_20170628 (580-69641-16), MW-36_20170628 (580-69641-17), MW-43_20170628 (580-69641-20), MW-43_20170628 (580-69641-20[MS]), MW-43_20170628 (580-69641-20[MSD]), MW-44_20170628 (580-69641-21), MW-45_20170627 (580-69641-22), MW-52_20170628 (580-69641-27), MW-53_20170628 (580-69641-28), MW-56_20170628 (580-69641-30), MW-65_20170627 (580-69641-39), MW-66_20170627 (580-69641-40), MW-67_20170628 (580-69641-41), Dup-1_20170627 (580-69641-47), Dup-2_20170628 (580-69641-48) and Dup-3_20170628 (580-69641-49). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-251038 were outside control limits for multiple analytes. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS/LCSD) recovery was within acceptance limits.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-251262 were outside control limits for multiple analytes. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recovery was within acceptance limits.

Method(s) 8260C: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to limited capacity for re-runs. E-flags are reported as primary in batch 251038 and 251302 because results are in-hold. Batch 251262 is reported as secondary data. Results between batches concur: MW-29_20170628 (580-69641-13), MW-29_20170628 (580-69641-13[MS]), MW-29_20170628 (580-69641-13[MSD]), MW-43_20170628 (580-69641-20), MW-43_20170628 (580-69641-20[MS]), MW-43_20170628 (580-69641-20[MSD]), MW-67_20170628 (580-69641-41), Dup-2_20170628 (580-69641-48) and Dup-3_20170628 (580-69641-49).

Method(s) 8260C: Reanalysis of the following samples was performed outside of the analytical holding time due to analyte carry over and required dilutions: MW-22_20170628 (580-69641-9), MW-35_20170628 (580-69641-16), MW-41_20170628 (580-69641-19), MW-44_20170628 (580-69641-21), MW-52_20170628 (580-69641-27), MW-53_20170628 (580-69641-28), MW-55_20170628 (580-69641-29), MW-56_20170628 (580-69641-30), MW-57_20170628 (580-69641-31), MW-65_20170627 (580-69641-39), Dup-1_20170627 (580-69641-47), and Dup-4_20170628 (580-69641-50).

Method(s) 8260C: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to limited capacity for re-runs. All results are reported as primary in batch 251032 because results are in-hold. Batch 251262 is reported as secondary data. Results between batches concur. MW-35_20170628 (580-69641-16), MW-36_20170628 (580-69641-17), MW-53_20170628 (580-69641-28), MW-67_20170628 (580-69641-41), Dup-2_20170628 (580-69641-48) and Dup-3_20170628 (580-69641-49).

GC VOA

Method(s) NWTPH-Gx: The matrix spike (MS) recoveries for analytical batch 580-250625 were outside control limits for gasoline. Sample matrix interference and/or non-homogeneity are suspected because the MSD and associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

Method(s) NWTPH-Gx: Surrogate recovery for the following samples was outside control limits: MW-18_20170628 (580-69641-5), MW-19_20170627 (580-69641-6), MW-21_20170627 (580-69641-8), MW-31_20170628 (580-69641-14), MW-44_20170628 (580-69641-21) and MW-52_20170628 (580-69641-27). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and %RPDs for analytical batch 580-250633 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control

Case Narrative

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Job ID: 580-69641-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

sample / laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

Method(s) NWTPH-Gx: Due to the high concentration of Gasoline, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 580-250806 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) NWTPH-Gx: The following samples was analyzed outside of analytical holding time due to system (auto sampler) stoppages. MW-31_20170628 (580-69641-14), MW-35_20170628 (580-69641-16), MW-36_20170628 (580-69641-17), MW-48_20170627 (580-69641-23), MW-49_20170627 (580-69641-24), MW-50_20170627 (580-69641-25), MW-51_20170627 (580-69641-26), MW-53_20170628 (580-69641-28), MW-55_20170628 (580-69641-29), MW-56_20170628 (580-69641-30), MW-57_20170628 (580-69641-31), MW-58_20170628 (580-69641-32), MW-59_20170628 (580-69641-33), MW-60_20170628 (580-69641-34), MW-61_20170628 (580-69641-35), MW-62_20170628 (580-69641-36), MW-63_20170628 (580-69641-37), MW-64_20170628 (580-69641-38), MW-64_20170628 (580-69641-38[MS]), MW-64_20170628 (580-69641-38[MSD]), MW-67_20170628 (580-69641-41), MW-68_20170628 (580-69641-42), MW-69_20170628 (580-69641-43), MW-70_20170628 (580-69641-44), MW-71_20170628 (580-69641-45), AG-WELL_20170628 (580-69641-46), Dup-2_20170628 (580-69641-48), Dup-3_20170628 (580-69641-49), and Dup-4_20170628 (580-69641-50).

Method(s) NWTPH-Gx: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-31_20170628 (580-69641-14), MW-35_20170628 (580-69641-16), MW-36_20170628 (580-69641-17), MW-53_20170628 (580-69641-28) and MW-56_20170628 (580-69641-30). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method(s) NWTPH-Dx: The peak profile present in samples C_20170627 (580-69641-1), MW-20_20170627 (580-69641-7), MW-38_20170627 (580-69641-18) is atypical of a hydrocarbon pattern and consists of discrete peaks.

Method(s) NWTPH-Dx: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and %RPDs for preparation batch 580-250649 and analytical batch 580-250703 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

Method(s) 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-18_20170628 (580-69641-5), MW-19_20170627 (580-69641-6), MW-21_20170627 (580-69641-8), MW-25_20170627 (580-69641-11), MW-27_20170628 (580-69641-12), MW-29_20170628 (580-69641-13), MW-29_20170628 (580-69641-13[MS]), MW-29_20170628 (580-69641-13[MSD]), MW-31_20170628 (580-69641-14), MW-32_20170627 (580-69641-15), MW-35_20170628 (580-69641-16), MW-36_20170628 (580-69641-17), MW-43_20170628 (580-69641-20), MW-43_20170628 (580-69641-20[MS]), MW-43_20170628 (580-69641-20[MSD]), MW-48_20170627 (580-69641-23), MW-49_20170627 (580-69641-24), MW-50_20170627 (580-69641-25), MW-52_20170628 (580-69641-27), MW-53_20170628 (580-69641-28), MW-56_20170628 (580-69641-30), MW-57_20170628 (580-69641-31), MW-66_20170627 (580-69641-40), MW-67_20170628 (580-69641-41), Dup-1_20170627 (580-69641-47), Dup-2_20170628 (580-69641-48) and Dup-3_20170628 (580-69641-49).

Method(s) NWTPH-Dx: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch preparation batch 580-250699 and analytical batch 580-250756 recovered outside control limits for the following analytes: #2 Diesel (C10-C24) and Motor Oil (>C24-C36). The LCS and LCSD recoveries met acceptance criteria.

Method(s) NWTPH-Dx: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 580-250699 and analytical batch 580-250756 was outside control limits. Sample matrix interference is chromatographically evident.

Method(s) NWTPH-Dx: Surrogate recovery for the following sample was outside control limits: MW-60_20170628 (580-69641-34). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Dx: Due to contamination, #2 Diesel (C10-C24) and Motor Oil (>C24-C36) was detected above the reporting limit (RL) in the method blank associated with preparation batch 580-250779 and analytical batch 580-250861 as well as in the following samples: Dup-1_20170627 (580-69641-47) and (MB 580-250779/1-A). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported. Due to the contamination, the sample results from the 2 batches do not completely match.

Case Narrative

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Job ID: 580-69641-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

Method(s) NWTPH-Dx: Due to contamination, the laboratory control sample and laboratory control sample duplicate (LCS/LCSD) for preparation batch 580-250779 and analytical batch 580-250861 recovered outside control limits, high, for the following analytes: #2 Diesel (C10-C24) and Motor Oil (>C24-C36). The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported. Due to the contamination, the sample results from the 2 batches do not completely match. Dup-1_20170627 (580-69641-47), (LCS 580-250779/2-A) and (LCSD 580-250779/3-A) .

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

Definitions/Glossary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: C_20170627

Date Collected: 06/27/17 15:00

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.0		2.0		ug/L			07/11/17 01:27	1
Toluene	ND		2.0		ug/L			07/11/17 01:27	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 01:27	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/11/17 01:27	1
Toluene-d8 (Surr)	104		80 - 122		07/11/17 01:27	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		07/11/17 01:27	1
4-Bromofluorobenzene (Surr)	95		75 - 125		07/11/17 01:27	1
Dibromofluoromethane (Surr)	100		77 - 120		07/11/17 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/09/17 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	116		77 - 128		07/09/17 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	680		100		ug/L		07/06/17 07:58	07/07/17 23:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/06/17 07:58	07/07/17 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	109		43 - 119	07/06/17 07:58	07/07/17 23:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: IW-1_20170627

Lab Sample ID: 580-69641-2

Date Collected: 06/27/17 10:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 01:52	1
Toluene	ND		2.0		ug/L			07/11/17 01:52	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 01:52	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 01:52	1
Toluene-d8 (Surr)	105		80 - 122		07/11/17 01:52	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		07/11/17 01:52	1
4-Bromofluorobenzene (Surr)	95		75 - 125		07/11/17 01:52	1
Dibromofluoromethane (Surr)	100		77 - 120		07/11/17 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/09/17 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	115		77 - 128		07/09/17 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	160		100		ug/L		07/06/17 07:58	07/08/17 00:04	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/06/17 07:58	07/08/17 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	107		43 - 119	07/06/17 07:58	07/08/17 00:04	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-2_20170627

Lab Sample ID: 580-69641-3

Date Collected: 06/27/17 08:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 08:03	1
Toluene	ND		2.0		ug/L			07/11/17 08:03	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 08:03	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 08:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 08:03	1
Toluene-d8 (Surr)	103		80 - 122		07/11/17 08:03	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		07/11/17 08:03	1
4-Bromofluorobenzene (Surr)	97		75 - 125		07/11/17 08:03	1
Dibromofluoromethane (Surr)	98		77 - 120		07/11/17 08:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	F1	500		ug/L			07/10/17 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128		07/10/17 01:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800		100		ug/L		07/06/17 07:58	07/08/17 00:27	1
Motor Oil (>C24-C36)	1100		250		ug/L		07/06/17 07:58	07/08/17 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	118		43 - 119	07/06/17 07:58	07/08/17 00:27	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-14_20170627

Lab Sample ID: 580-69641-4

Date Collected: 06/27/17 14:45

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.5		2.0		ug/L			07/11/17 02:19	1
Toluene	ND		2.0		ug/L			07/11/17 02:19	1
Ethylbenzene	3.2		3.0		ug/L			07/11/17 02:19	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		07/11/17 02:19	1
Toluene-d8 (Surr)	104		80 - 122		07/11/17 02:19	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		07/11/17 02:19	1
4-Bromofluorobenzene (Surr)	96		75 - 125		07/11/17 02:19	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/09/17 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		07/09/17 21:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1200		100		ug/L		07/06/17 07:58	07/08/17 01:34	1
Motor Oil (>C24-C36)	290		260		ug/L		07/06/17 07:58	07/08/17 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	98		43 - 119	07/06/17 07:58	07/08/17 01:34	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-18_20170628

Lab Sample ID: 580-69641-5

Date Collected: 06/28/17 09:10

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	42		2.0		ug/L			07/12/17 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120					07/12/17 01:17	1
Toluene-d8 (Surr)	104		80 - 122					07/12/17 01:17	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126					07/12/17 01:17	1
4-Bromofluorobenzene (Surr)	98		75 - 125					07/12/17 01:17	1
Dibromofluoromethane (Surr)	96		77 - 120					07/12/17 01:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	550		50		ug/L			07/12/17 21:41	25
Ethylbenzene	1400		75		ug/L			07/12/17 21:41	25
Xylenes, Total	1700		75		ug/L			07/12/17 21:41	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	95		80 - 120					07/12/17 21:41	25
Toluene-d8 (Surr)	106		80 - 122					07/12/17 21:41	25
1,2-Dichloroethane-d4 (Surr)	110		80 - 126					07/12/17 21:41	25
4-Bromofluorobenzene (Surr)	94		75 - 125					07/12/17 21:41	25
Dibromofluoromethane (Surr)	97		77 - 120					07/12/17 21:41	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	22000		500		ug/L			07/10/17 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	132	X	77 - 128					07/10/17 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	7100		100		ug/L		07/06/17 07:58	07/08/17 01:56	1
Motor Oil (>C24-C36)	300		250		ug/L		07/06/17 07:58	07/08/17 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	111		43 - 119				07/06/17 07:58	07/08/17 01:56	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-19_20170627

Lab Sample ID: 580-69641-6

Date Collected: 06/27/17 16:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	7.7		2.0		ug/L			07/11/17 02:46	1
Xylenes, Total	49		3.0		ug/L			07/11/17 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120					07/11/17 02:46	1
Toluene-d8 (Surr)	103		80 - 122					07/11/17 02:46	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/11/17 02:46	1
4-Bromofluorobenzene (Surr)	96		75 - 125					07/11/17 02:46	1
Dibromofluoromethane (Surr)	97		77 - 120					07/11/17 02:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	540		40		ug/L			07/11/17 21:45	20
Ethylbenzene	1300		60		ug/L			07/11/17 21:45	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120					07/11/17 21:45	20
Toluene-d8 (Surr)	107		80 - 122					07/11/17 21:45	20
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/11/17 21:45	20
4-Bromofluorobenzene (Surr)	95		75 - 125					07/11/17 21:45	20
Dibromofluoromethane (Surr)	99		77 - 120					07/11/17 21:45	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9300		500		ug/L			07/09/17 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	135	X	77 - 128					07/09/17 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5400		100		ug/L		07/06/17 07:58	07/08/17 02:41	1
Motor Oil (>C24-C36)	630		250		ug/L		07/06/17 07:58	07/08/17 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	108		43 - 119				07/06/17 07:58	07/08/17 02:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-20_20170627

Lab Sample ID: 580-69641-7

Date Collected: 06/27/17 09:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			07/11/17 03:12	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 03:12	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		07/11/17 03:12	1
Toluene-d8 (Surr)	104		80 - 122		07/11/17 03:12	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		07/11/17 03:12	1
4-Bromofluorobenzene (Surr)	96		75 - 125		07/11/17 03:12	1
Dibromofluoromethane (Surr)	98		77 - 120		07/11/17 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	20		2.0		ug/L			07/11/17 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/11/17 21:19	1
Toluene-d8 (Surr)	105		80 - 122		07/11/17 21:19	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		07/11/17 21:19	1
4-Bromofluorobenzene (Surr)	96		75 - 125		07/11/17 21:19	1
Dibromofluoromethane (Surr)	97		77 - 120		07/11/17 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/09/17 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		77 - 128		07/09/17 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	530		100		ug/L		07/06/17 07:58	07/08/17 03:03	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/06/17 07:58	07/08/17 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	106		43 - 119	07/06/17 07:58	07/08/17 03:03	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-21_20170627

Lab Sample ID: 580-69641-8

Date Collected: 06/27/17 09:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15		2.0		ug/L			07/11/17 03:39	1
Toluene	2.9		2.0		ug/L			07/11/17 03:39	1
Xylenes, Total	94		3.0		ug/L			07/11/17 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/11/17 03:39	1
Toluene-d8 (Surr)	103		80 - 122					07/11/17 03:39	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126					07/11/17 03:39	1
4-Bromofluorobenzene (Surr)	98		75 - 125					07/11/17 03:39	1
Dibromofluoromethane (Surr)	100		77 - 120					07/11/17 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	530		60		ug/L			07/11/17 22:12	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	95		80 - 120					07/11/17 22:12	20
Toluene-d8 (Surr)	107		80 - 122					07/11/17 22:12	20
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/11/17 22:12	20
4-Bromofluorobenzene (Surr)	94		75 - 125					07/11/17 22:12	20
Dibromofluoromethane (Surr)	95		77 - 120					07/11/17 22:12	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9700		500		ug/L			07/09/17 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	134	X	77 - 128					07/09/17 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	6000		100		ug/L		07/06/17 07:58	07/08/17 03:25	1
Motor Oil (>C24-C36)	740		250		ug/L		07/06/17 07:58	07/08/17 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl	98		43 - 119				07/06/17 07:58	07/08/17 03:25	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-22_20170628

Lab Sample ID: 580-69641-9

Date Collected: 06/28/17 10:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/12/17 01:43	1
Toluene	ND		2.0		ug/L			07/12/17 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120					07/12/17 01:43	1
Toluene-d8 (Surr)	106		80 - 122					07/12/17 01:43	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126					07/12/17 01:43	1
4-Bromofluorobenzene (Surr)	96		75 - 125					07/12/17 01:43	1
Dibromofluoromethane (Surr)	99		77 - 120					07/12/17 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	4.1		3.0		ug/L			07/12/17 21:14	1
Xylenes, Total	19		3.0		ug/L			07/12/17 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120					07/12/17 21:14	1
Toluene-d8 (Surr)	106		80 - 122					07/12/17 21:14	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126					07/12/17 21:14	1
4-Bromofluorobenzene (Surr)	95		75 - 125					07/12/17 21:14	1
Dibromofluoromethane (Surr)	99		77 - 120					07/12/17 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2300		500		ug/L			07/10/17 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		77 - 128					07/10/17 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2800		100		ug/L		07/10/17 08:15	07/10/17 16:42	1
Motor Oil (>C24-C36)	580		250		ug/L		07/10/17 08:15	07/10/17 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	82		43 - 119				07/10/17 08:15	07/10/17 16:42	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-23_20170628

Lab Sample ID: 580-69641-10

Date Collected: 06/28/17 09:45

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/12/17 02:10	1
Toluene	ND		2.0		ug/L			07/12/17 02:10	1
Ethylbenzene	ND		3.0		ug/L			07/12/17 02:10	1
Xylenes, Total	ND		3.0		ug/L			07/12/17 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		07/12/17 02:10	1
Toluene-d8 (Surr)	105		80 - 122		07/12/17 02:10	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		07/12/17 02:10	1
4-Bromofluorobenzene (Surr)	96		75 - 125		07/12/17 02:10	1
Dibromofluoromethane (Surr)	99		77 - 120		07/12/17 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1200		500		ug/L			07/10/17 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		77 - 128		07/10/17 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4300		100		ug/L		07/10/17 08:15	07/10/17 17:13	1
Motor Oil (>C24-C36)	670		260		ug/L		07/10/17 08:15	07/10/17 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		43 - 119	07/10/17 08:15	07/10/17 17:13	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-25_20170627

Lab Sample ID: 580-69641-11

Date Collected: 06/27/17 14:45

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	9.1		2.0		ug/L			07/11/17 04:05	1
Xylenes, Total	25		3.0		ug/L			07/11/17 04:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/11/17 04:05	1
Toluene-d8 (Surr)	103		80 - 122					07/11/17 04:05	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/11/17 04:05	1
4-Bromofluorobenzene (Surr)	98		75 - 125					07/11/17 04:05	1
Dibromofluoromethane (Surr)	97		77 - 120					07/11/17 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	340		40		ug/L			07/11/17 22:39	20
Ethylbenzene	700		60		ug/L			07/11/17 22:39	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120					07/11/17 22:39	20
Toluene-d8 (Surr)	107		80 - 122					07/11/17 22:39	20
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/11/17 22:39	20
4-Bromofluorobenzene (Surr)	94		75 - 125					07/11/17 22:39	20
Dibromofluoromethane (Surr)	97		77 - 120					07/11/17 22:39	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	8200		500		ug/L			07/10/17 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	117		77 - 128					07/10/17 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2700		100		ug/L		07/10/17 08:15	07/10/17 17:43	1
Motor Oil (>C24-C36)	ND		260		ug/L		07/10/17 08:15	07/10/17 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	57		43 - 119				07/10/17 08:15	07/10/17 17:43	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-27_20170628

Lab Sample ID: 580-69641-12

Date Collected: 06/28/17 10:25

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.0		2.0		ug/L			07/12/17 02:36	1
Toluene	ND		2.0		ug/L			07/12/17 02:36	1
Xylenes, Total	23		3.0		ug/L			07/12/17 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120					07/12/17 02:36	1
Toluene-d8 (Surr)	105		80 - 122					07/12/17 02:36	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126					07/12/17 02:36	1
4-Bromofluorobenzene (Surr)	96		75 - 125					07/12/17 02:36	1
Dibromofluoromethane (Surr)	99		77 - 120					07/12/17 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	130		30		ug/L			07/12/17 22:07	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120					07/12/17 22:07	10
Toluene-d8 (Surr)	107		80 - 122					07/12/17 22:07	10
1,2-Dichloroethane-d4 (Surr)	111		80 - 126					07/12/17 22:07	10
4-Bromofluorobenzene (Surr)	97		75 - 125					07/12/17 22:07	10
Dibromofluoromethane (Surr)	99		77 - 120					07/12/17 22:07	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5800		500		ug/L			07/10/17 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		77 - 128					07/10/17 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2400		100		ug/L		07/10/17 08:15	07/10/17 18:12	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/10/17 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	82		43 - 119				07/10/17 08:15	07/10/17 18:12	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-29_20170628

Lab Sample ID: 580-69641-13

Date Collected: 06/28/17 11:30

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	86		2.0		ug/L			07/12/17 08:35	1
Toluene	10	F1	2.0		ug/L			07/12/17 08:35	1
Ethylbenzene	120	E	3.0		ug/L			07/12/17 08:35	1
Xylenes, Total	320		3.0		ug/L			07/12/17 08:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/12/17 08:35	1
Toluene-d8 (Surr)	101		80 - 122		07/12/17 08:35	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 126		07/12/17 08:35	1
4-Bromofluorobenzene (Surr)	101		75 - 125		07/12/17 08:35	1
Dibromofluoromethane (Surr)	98		77 - 120		07/12/17 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	160	H F1	60		ug/L			07/15/17 04:04	20
Xylenes, Total	450	H F1	60		ug/L			07/15/17 04:04	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/15/17 04:04	20
Toluene-d8 (Surr)	101		80 - 122		07/15/17 04:04	20
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		07/15/17 04:04	20
4-Bromofluorobenzene (Surr)	101		75 - 125		07/15/17 04:04	20
Dibromofluoromethane (Surr)	100		77 - 120		07/15/17 04:04	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3500	F2 F1	500		ug/L			07/10/17 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	109		77 - 128		07/10/17 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1400		100		ug/L		07/10/17 08:15	07/10/17 18:42	1
Motor Oil (>C24-C36)	780	F1	250		ug/L		07/10/17 08:15	07/10/17 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	82		43 - 119	07/10/17 08:15	07/10/17 18:42	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-31_20170628

Lab Sample ID: 580-69641-14

Date Collected: 06/28/17 11:10

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1800		200		ug/L			07/12/17 22:34	100
Toluene	420		200		ug/L			07/12/17 22:34	100
Ethylbenzene	2700		300		ug/L			07/12/17 22:34	100
Xylenes, Total	12000		300		ug/L			07/12/17 22:34	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		07/12/17 22:34	100
Toluene-d8 (Surr)	106		80 - 122		07/12/17 22:34	100
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		07/12/17 22:34	100
4-Bromofluorobenzene (Surr)	94		75 - 125		07/12/17 22:34	100
Dibromofluoromethane (Surr)	97		77 - 120		07/12/17 22:34	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	56000	H	5000		ug/L			07/13/17 14:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	131	X	77 - 128		07/13/17 14:40	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3200		100		ug/L		07/10/17 08:15	07/10/17 20:44	1
Motor Oil (>C24-C36)	ND		260		ug/L		07/10/17 08:15	07/10/17 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		43 - 119	07/10/17 08:15	07/10/17 20:44	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-32_20170627

Lab Sample ID: 580-69641-15

Date Collected: 06/27/17 15:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	6.0		2.0		ug/L			07/11/17 04:32	1
Xylenes, Total	21		3.0		ug/L			07/11/17 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120					07/11/17 04:32	1
Toluene-d8 (Surr)	102		80 - 122					07/11/17 04:32	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 126					07/11/17 04:32	1
4-Bromofluorobenzene (Surr)	100		75 - 125					07/11/17 04:32	1
Dibromofluoromethane (Surr)	98		77 - 120					07/11/17 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	41		40		ug/L			07/11/17 23:05	20
Ethylbenzene	1000		60		ug/L			07/11/17 23:05	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120					07/11/17 23:05	20
Toluene-d8 (Surr)	106		80 - 122					07/11/17 23:05	20
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/11/17 23:05	20
4-Bromofluorobenzene (Surr)	95		75 - 125					07/11/17 23:05	20
Dibromofluoromethane (Surr)	96		77 - 120					07/11/17 23:05	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	12000		500		ug/L			07/10/17 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123		77 - 128					07/10/17 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4200		100		ug/L		07/10/17 08:15	07/10/17 21:16	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/10/17 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		43 - 119				07/10/17 08:15	07/10/17 21:16	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-35_20170628

Lab Sample ID: 580-69641-16

Date Collected: 06/28/17 10:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9600	E	100		ug/L			07/12/17 23:00	50
Toluene	10000	E	100		ug/L			07/12/17 23:00	50
Ethylbenzene	2600		150		ug/L			07/12/17 23:00	50
Xylenes, Total	13000		150		ug/L			07/12/17 23:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120		07/12/17 23:00	50
Toluene-d8 (Surr)	106		80 - 122		07/12/17 23:00	50
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		07/12/17 23:00	50
4-Bromofluorobenzene (Surr)	95		75 - 125		07/12/17 23:00	50
Dibromofluoromethane (Surr)	97		77 - 120		07/12/17 23:00	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12000	H	1000		ug/L			07/18/17 19:10	500
Toluene	11000	H	1000		ug/L			07/18/17 19:10	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		80 - 120		07/18/17 19:10	500
Toluene-d8 (Surr)	99		80 - 122		07/18/17 19:10	500
1,2-Dichloroethane-d4 (Surr)	112		80 - 126		07/18/17 19:10	500
4-Bromofluorobenzene (Surr)	105		75 - 125		07/18/17 19:10	500
Dibromofluoromethane (Surr)	105		77 - 120		07/18/17 19:10	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	84000	H	39000		ug/L			07/15/17 21:54	78

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		77 - 128		07/15/17 21:54	78

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	6700		100		ug/L		07/10/17 08:15	07/10/17 21:49	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/10/17 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		43 - 119	07/10/17 08:15	07/10/17 21:49	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-36_20170628

Lab Sample ID: 580-69641-17

Date Collected: 06/28/17 11:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5100	H E	100		ug/L			07/14/17 20:17	50
Toluene	230	H	100		ug/L			07/14/17 20:17	50
Ethylbenzene	2500	H	150		ug/L			07/14/17 20:17	50
Xylenes, Total	7400	H	150		ug/L			07/14/17 20:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/14/17 20:17	50
Toluene-d8 (Surr)	102		80 - 122		07/14/17 20:17	50
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		07/14/17 20:17	50
4-Bromofluorobenzene (Surr)	103		75 - 125		07/14/17 20:17	50
Dibromofluoromethane (Surr)	101		77 - 120		07/14/17 20:17	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5700	H	500		ug/L			07/18/17 18:45	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		80 - 120		07/18/17 18:45	250
Toluene-d8 (Surr)	98		80 - 122		07/18/17 18:45	250
1,2-Dichloroethane-d4 (Surr)	112		80 - 126		07/18/17 18:45	250
4-Bromofluorobenzene (Surr)	102		75 - 125		07/18/17 18:45	250
Dibromofluoromethane (Surr)	102		77 - 120		07/18/17 18:45	250

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	43000	H	22000		ug/L			07/15/17 22:26	43

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	108		77 - 128		07/15/17 22:26	43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4500		100		ug/L		07/10/17 08:15	07/10/17 22:21	1
Motor Oil (>C24-C36)	ND		260		ug/L		07/10/17 08:15	07/10/17 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		43 - 119	07/10/17 08:15	07/10/17 22:21	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-38_20170627

Lab Sample ID: 580-69641-18

Date Collected: 06/27/17 11:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.7		2.0		ug/L			07/11/17 04:58	1
Toluene	ND		2.0		ug/L			07/11/17 04:58	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 04:58	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 04:58	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 04:58	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		07/11/17 04:58	1
4-Bromofluorobenzene (Surr)	98		75 - 125		07/11/17 04:58	1
Dibromofluoromethane (Surr)	97		77 - 120		07/11/17 04:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/10/17 09:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		77 - 128		07/10/17 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	160		100		ug/L		07/10/17 08:15	07/10/17 22:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/10/17 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		43 - 119	07/10/17 08:15	07/10/17 22:52	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-41_20170628

Lab Sample ID: 580-69641-19

Date Collected: 06/28/17 10:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			07/12/17 05:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120					07/12/17 05:33	1
Toluene-d8 (Surr)	101		80 - 122					07/12/17 05:33	1
1,2-Dichloroethane-d4 (Surr)	97		80 - 126					07/12/17 05:33	1
4-Bromofluorobenzene (Surr)	101		75 - 125					07/12/17 05:33	1
Dibromofluoromethane (Surr)	101		77 - 120					07/12/17 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.7	H	2.0		ug/L			07/14/17 18:34	1
Ethylbenzene	ND	H	3.0		ug/L			07/14/17 18:34	1
Xylenes, Total	ND	H	3.0		ug/L			07/14/17 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120					07/14/17 18:34	1
Toluene-d8 (Surr)	100		80 - 122					07/14/17 18:34	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 126					07/14/17 18:34	1
4-Bromofluorobenzene (Surr)	101		75 - 125					07/14/17 18:34	1
Dibromofluoromethane (Surr)	99		77 - 120					07/14/17 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/12/17 09:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		77 - 128					07/12/17 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/10/17 08:15	07/10/17 23:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/10/17 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119				07/10/17 08:15	07/10/17 23:22	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-43_20170628

Lab Sample ID: 580-69641-20

Date Collected: 06/28/17 10:40

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	24	F1	2.0		ug/L			07/12/17 09:02	1
Toluene	15		2.0		ug/L			07/12/17 09:02	1
Ethylbenzene	230	E	3.0		ug/L			07/12/17 09:02	1
Xylenes, Total	620		3.0		ug/L			07/12/17 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/12/17 09:02	1
Toluene-d8 (Surr)	99		80 - 122		07/12/17 09:02	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 126		07/12/17 09:02	1
4-Bromofluorobenzene (Surr)	104		75 - 125		07/12/17 09:02	1
Dibromofluoromethane (Surr)	98		77 - 120		07/12/17 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	340	H F1	60		ug/L			07/15/17 03:38	20
Xylenes, Total	1500	H F1	60		ug/L			07/15/17 03:38	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/15/17 03:38	20
Toluene-d8 (Surr)	102		80 - 122		07/15/17 03:38	20
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		07/15/17 03:38	20
4-Bromofluorobenzene (Surr)	100		75 - 125		07/15/17 03:38	20
Dibromofluoromethane (Surr)	99		77 - 120		07/15/17 03:38	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	25000		500		ug/L			07/12/17 09:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	126		77 - 128		07/12/17 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3600	F2 F1	100		ug/L		07/10/17 08:15	07/10/17 23:52	1
Motor Oil (>C24-C36)	ND	F2	250		ug/L		07/10/17 08:15	07/10/17 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		43 - 119	07/10/17 08:15	07/10/17 23:52	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-44_20170628

Lab Sample ID: 580-69641-21

Date Collected: 06/28/17 11:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11		2.0		ug/L			07/12/17 05:59	1
Toluene	4.7		2.0		ug/L			07/12/17 05:59	1
Xylenes, Total	54		3.0		ug/L			07/12/17 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/12/17 05:59	1
Toluene-d8 (Surr)	101		80 - 122		07/12/17 05:59	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 126		07/12/17 05:59	1
4-Bromofluorobenzene (Surr)	99		75 - 125		07/12/17 05:59	1
Dibromofluoromethane (Surr)	99		77 - 120		07/12/17 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	580	H	60		ug/L			07/14/17 20:43	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/14/17 20:43	20
Toluene-d8 (Surr)	101		80 - 122		07/14/17 20:43	20
1,2-Dichloroethane-d4 (Surr)	100		80 - 126		07/14/17 20:43	20
4-Bromofluorobenzene (Surr)	102		75 - 125		07/14/17 20:43	20
Dibromofluoromethane (Surr)	101		77 - 120		07/14/17 20:43	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7100		500		ug/L			07/12/17 11:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	131	X	77 - 128		07/12/17 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/10/17 08:15	07/11/17 01:20	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/11/17 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119	07/10/17 08:15	07/11/17 01:20	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-45_20170627

Lab Sample ID: 580-69641-22

Date Collected: 06/27/17 13:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.1		2.0		ug/L			07/11/17 05:25	1
Toluene	2.5		2.0		ug/L			07/11/17 05:25	1
Xylenes, Total	7.5		3.0		ug/L			07/11/17 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 05:25	1
Toluene-d8 (Surr)	105		80 - 122		07/11/17 05:25	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		07/11/17 05:25	1
4-Bromofluorobenzene (Surr)	98		75 - 125		07/11/17 05:25	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 05:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	650		60		ug/L			07/11/17 23:31	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120		07/11/17 23:31	20
Toluene-d8 (Surr)	106		80 - 122		07/11/17 23:31	20
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		07/11/17 23:31	20
4-Bromofluorobenzene (Surr)	95		75 - 125		07/11/17 23:31	20
Dibromofluoromethane (Surr)	96		77 - 120		07/11/17 23:31	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7100		500		ug/L			07/10/17 09:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123		77 - 128		07/10/17 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/10/17 08:15	07/11/17 02:18	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/11/17 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		43 - 119	07/10/17 08:15	07/11/17 02:18	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-48_20170627

Lab Sample ID: 580-69641-23

Date Collected: 06/27/17 11:25

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 05:52	1
Toluene	ND		2.0		ug/L			07/11/17 05:52	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 05:52	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/11/17 05:52	1
Toluene-d8 (Surr)	104		80 - 122		07/11/17 05:52	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		07/11/17 05:52	1
4-Bromofluorobenzene (Surr)	98		75 - 125		07/11/17 05:52	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		77 - 128		07/13/17 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4900		100		ug/L		07/10/17 08:15	07/11/17 02:47	1
Motor Oil (>C24-C36)	ND		260		ug/L		07/10/17 08:15	07/11/17 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		43 - 119	07/10/17 08:15	07/11/17 02:47	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-49_20170627

Lab Sample ID: 580-69641-24

Date Collected: 06/27/17 10:45

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 06:18	1
Toluene	ND		2.0		ug/L			07/11/17 06:18	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 06:18	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/11/17 06:18	1
Toluene-d8 (Surr)	105		80 - 122		07/11/17 06:18	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		07/11/17 06:18	1
4-Bromofluorobenzene (Surr)	99		75 - 125		07/11/17 06:18	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 06:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		07/13/17 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800		100		ug/L		07/10/17 08:15	07/11/17 03:15	1
Motor Oil (>C24-C36)	ND		260		ug/L		07/10/17 08:15	07/11/17 03:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		43 - 119	07/10/17 08:15	07/11/17 03:15	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-50_20170627

Lab Sample ID: 580-69641-25

Date Collected: 06/27/17 09:40

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 06:44	1
Toluene	ND		2.0		ug/L			07/11/17 06:44	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 06:44	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 06:44	1
Toluene-d8 (Surr)	106		80 - 122		07/11/17 06:44	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		07/11/17 06:44	1
4-Bromofluorobenzene (Surr)	97		75 - 125		07/11/17 06:44	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 06:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	109		77 - 128		07/13/17 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2900		100		ug/L		07/10/17 08:15	07/11/17 03:44	1
Motor Oil (>C24-C36)	ND		260		ug/L		07/10/17 08:15	07/11/17 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		43 - 119	07/10/17 08:15	07/11/17 03:44	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-51_20170627

Lab Sample ID: 580-69641-26

Date Collected: 06/27/17 15:30

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 07:11	1
Toluene	ND		2.0		ug/L			07/11/17 07:11	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 07:11	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 07:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 07:11	1
Toluene-d8 (Surr)	104		80 - 122		07/11/17 07:11	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		07/11/17 07:11	1
4-Bromofluorobenzene (Surr)	96		75 - 125		07/11/17 07:11	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 07:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	116		77 - 128		07/13/17 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 00:55	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		43 - 119	07/10/17 14:07	07/11/17 00:55	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-52_20170628

Lab Sample ID: 580-69641-27

Date Collected: 06/28/17 09:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.9		2.0		ug/L			07/12/17 06:25	1
Xylenes, Total	20		3.0		ug/L			07/12/17 06:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/12/17 06:25	1
Toluene-d8 (Surr)	100		80 - 122					07/12/17 06:25	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 126					07/12/17 06:25	1
4-Bromofluorobenzene (Surr)	100		75 - 125					07/12/17 06:25	1
Dibromofluoromethane (Surr)	99		77 - 120					07/12/17 06:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	330	H	50		ug/L			07/14/17 21:09	25
Ethylbenzene	1300	H	75		ug/L			07/14/17 21:09	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/14/17 21:09	25
Toluene-d8 (Surr)	101		80 - 122					07/14/17 21:09	25
1,2-Dichloroethane-d4 (Surr)	102		80 - 126					07/14/17 21:09	25
4-Bromofluorobenzene (Surr)	100		75 - 125					07/14/17 21:09	25
Dibromofluoromethane (Surr)	99		77 - 120					07/14/17 21:09	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	13000		500		ug/L			07/12/17 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	131	X	77 - 128					07/12/17 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3800	*	100		ug/L		07/10/17 14:07	07/11/17 01:16	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		43 - 119				07/10/17 14:07	07/11/17 01:16	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-53_20170628

Lab Sample ID: 580-69641-28

Date Collected: 06/28/17 12:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11000	H E	200		ug/L			07/14/17 21:34	100
Toluene	320	H	200		ug/L			07/14/17 21:34	100
Ethylbenzene	2600	H	300		ug/L			07/14/17 21:34	100
Xylenes, Total	9000	H	300		ug/L			07/14/17 21:34	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/14/17 21:34	100
Toluene-d8 (Surr)	101		80 - 122		07/14/17 21:34	100
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		07/14/17 21:34	100
4-Bromofluorobenzene (Surr)	104		75 - 125		07/14/17 21:34	100
Dibromofluoromethane (Surr)	102		77 - 120		07/14/17 21:34	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12000	H	1000		ug/L			07/18/17 19:36	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		80 - 120		07/18/17 19:36	500
Toluene-d8 (Surr)	99		80 - 122		07/18/17 19:36	500
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		07/18/17 19:36	500
4-Bromofluorobenzene (Surr)	106		75 - 125		07/18/17 19:36	500
Dibromofluoromethane (Surr)	104		77 - 120		07/18/17 19:36	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	44000	H	22000		ug/L			07/15/17 22:58	43

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		77 - 128		07/15/17 22:58	43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5900	*	100		ug/L		07/10/17 14:07	07/11/17 01:37	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		43 - 119	07/10/17 14:07	07/11/17 01:37	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-55_20170628

Lab Sample ID: 580-69641-29

Date Collected: 06/28/17 13:55

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			07/12/17 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/12/17 07:17	1
Toluene-d8 (Surr)	101		80 - 122					07/12/17 07:17	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 126					07/12/17 07:17	1
4-Bromofluorobenzene (Surr)	103		75 - 125					07/12/17 07:17	1
Dibromofluoromethane (Surr)	97		77 - 120					07/12/17 07:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	2.0		ug/L			07/14/17 19:00	1
Ethylbenzene	ND	H	3.0		ug/L			07/14/17 19:00	1
Xylenes, Total	ND	H	3.0		ug/L			07/14/17 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/14/17 19:00	1
Toluene-d8 (Surr)	102		80 - 122					07/14/17 19:00	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126					07/14/17 19:00	1
4-Bromofluorobenzene (Surr)	104		75 - 125					07/14/17 19:00	1
Dibromofluoromethane (Surr)	102		77 - 120					07/14/17 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/15/17 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	109		77 - 128					07/15/17 23:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 01:57	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		43 - 119				07/10/17 14:07	07/11/17 01:57	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-56_20170628

Lab Sample ID: 580-69641-30

Date Collected: 06/28/17 13:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19		2.0		ug/L			07/12/17 07:43	1
Toluene	79		2.0		ug/L			07/12/17 07:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/12/17 07:43	1
Toluene-d8 (Surr)	98		80 - 122		07/12/17 07:43	1
1,2-Dichloroethane-d4 (Surr)	96		80 - 126		07/12/17 07:43	1
4-Bromofluorobenzene (Surr)	99		75 - 125		07/12/17 07:43	1
Dibromofluoromethane (Surr)	98		77 - 120		07/12/17 07:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1600	H	150		ug/L			07/14/17 22:00	50
Xylenes, Total	7200	H	150		ug/L			07/14/17 22:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/14/17 22:00	50
Toluene-d8 (Surr)	101		80 - 122		07/14/17 22:00	50
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		07/14/17 22:00	50
4-Bromofluorobenzene (Surr)	101		75 - 125		07/14/17 22:00	50
Dibromofluoromethane (Surr)	99		77 - 120		07/14/17 22:00	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	36000	H	17000		ug/L			07/16/17 00:01	33

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		77 - 128		07/16/17 00:01	33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2900	*	100		ug/L		07/10/17 14:07	07/11/17 02:18	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		43 - 119	07/10/17 14:07	07/11/17 02:18	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-57_20170628

Lab Sample ID: 580-69641-31

Date Collected: 06/28/17 12:10

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10		2.0		ug/L			07/12/17 08:09	1
Toluene	ND		2.0		ug/L			07/12/17 08:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120					07/12/17 08:09	1
Toluene-d8 (Surr)	101		80 - 122					07/12/17 08:09	1
1,2-Dichloroethane-d4 (Surr)	97		80 - 126					07/12/17 08:09	1
4-Bromofluorobenzene (Surr)	104		75 - 125					07/12/17 08:09	1
Dibromofluoromethane (Surr)	99		77 - 120					07/12/17 08:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	H	3.0		ug/L			07/14/17 19:26	1
Xylenes, Total	ND	H	3.0		ug/L			07/14/17 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120					07/14/17 19:26	1
Toluene-d8 (Surr)	101		80 - 122					07/14/17 19:26	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 126					07/14/17 19:26	1
4-Bromofluorobenzene (Surr)	104		75 - 125					07/14/17 19:26	1
Dibromofluoromethane (Surr)	103		77 - 120					07/14/17 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/16/17 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		77 - 128					07/16/17 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	160	*	100		ug/L		07/10/17 14:07	07/11/17 02:39	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	70		43 - 119				07/10/17 14:07	07/11/17 02:39	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-58_20170628

Lab Sample ID: 580-69641-32

Date Collected: 06/28/17 11:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 18:16	1
Toluene	ND		2.0		ug/L			07/11/17 18:16	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 18:16	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 18:16	1
Toluene-d8 (Surr)	99		80 - 122		07/11/17 18:16	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		07/11/17 18:16	1
4-Bromofluorobenzene (Surr)	104		75 - 125		07/11/17 18:16	1
Dibromofluoromethane (Surr)	104		77 - 120		07/11/17 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1800	H	500		ug/L			07/13/17 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	119		77 - 128		07/13/17 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3900	*	100		ug/L		07/10/17 14:07	07/11/17 03:00	1
Motor Oil (>C24-C36)	380	*	250		ug/L		07/10/17 14:07	07/11/17 03:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		43 - 119	07/10/17 14:07	07/11/17 03:00	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-59_20170628

Lab Sample ID: 580-69641-33

Date Collected: 06/28/17 11:30

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 18:42	1
Toluene	ND		2.0		ug/L			07/11/17 18:42	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 18:42	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 18:42	1
Toluene-d8 (Surr)	99		80 - 122		07/11/17 18:42	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		07/11/17 18:42	1
4-Bromofluorobenzene (Surr)	103		75 - 125		07/11/17 18:42	1
Dibromofluoromethane (Surr)	101		77 - 120		07/11/17 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2700	H	500		ug/L			07/13/17 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	115		77 - 128		07/13/17 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	6600	*	100		ug/L		07/10/17 14:07	07/11/17 03:41	1
Motor Oil (>C24-C36)	590	*	250		ug/L		07/10/17 14:07	07/11/17 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	59		43 - 119	07/10/17 14:07	07/11/17 03:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-60_20170628

Lab Sample ID: 580-69641-34

Date Collected: 06/28/17 11:15

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 19:08	1
Toluene	ND		2.0		ug/L			07/11/17 19:08	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 19:08	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 19:08	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 19:08	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		07/11/17 19:08	1
4-Bromofluorobenzene (Surr)	103		75 - 125		07/11/17 19:08	1
Dibromofluoromethane (Surr)	101		77 - 120		07/11/17 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128		07/13/17 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 04:02	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	34	X	43 - 119	07/10/17 14:07	07/11/17 04:02	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-61_20170628

Lab Sample ID: 580-69641-35

Date Collected: 06/28/17 16:10

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 19:34	1
Toluene	ND		2.0		ug/L			07/11/17 19:34	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 19:34	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 19:34	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 19:34	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		07/11/17 19:34	1
4-Bromofluorobenzene (Surr)	102		75 - 125		07/11/17 19:34	1
Dibromofluoromethane (Surr)	102		77 - 120		07/11/17 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		07/13/17 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 04:22	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		43 - 119	07/10/17 14:07	07/11/17 04:22	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-62_20170628

Lab Sample ID: 580-69641-36

Date Collected: 06/28/17 15:40

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 20:00	1
Toluene	ND		2.0		ug/L			07/11/17 20:00	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 20:00	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 20:00	1
Toluene-d8 (Surr)	100		80 - 122		07/11/17 20:00	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		07/11/17 20:00	1
4-Bromofluorobenzene (Surr)	101		75 - 125		07/11/17 20:00	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		77 - 128		07/13/17 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 04:43	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		43 - 119	07/10/17 14:07	07/11/17 04:43	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-63_20170628

Lab Sample ID: 580-69641-37

Date Collected: 06/28/17 15:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 20:26	1
Toluene	ND		2.0		ug/L			07/11/17 20:26	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 20:26	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 20:26	1
Toluene-d8 (Surr)	100		80 - 122		07/11/17 20:26	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		07/11/17 20:26	1
4-Bromofluorobenzene (Surr)	102		75 - 125		07/11/17 20:26	1
Dibromofluoromethane (Surr)	104		77 - 120		07/11/17 20:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128		07/13/17 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 05:04	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 05:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	84		43 - 119	07/10/17 14:07	07/11/17 05:04	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-64_20170628

Lab Sample ID: 580-69641-38

Date Collected: 06/28/17 09:10

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10		2.0		ug/L			07/12/17 00:47	1
Toluene	ND		2.0		ug/L			07/12/17 00:47	1
Ethylbenzene	ND		3.0		ug/L			07/12/17 00:47	1
Xylenes, Total	7.7		3.0		ug/L			07/12/17 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/12/17 00:47	1
Toluene-d8 (Surr)	101		80 - 122		07/12/17 00:47	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 126		07/12/17 00:47	1
4-Bromofluorobenzene (Surr)	101		75 - 125		07/12/17 00:47	1
Dibromofluoromethane (Surr)	101		77 - 120		07/12/17 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1500	H	500		ug/L			07/13/17 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		07/13/17 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2400	F2 *	100		ug/L		07/10/17 14:07	07/11/17 05:24	1
Motor Oil (>C24-C36)	ND	F2 *	250		ug/L		07/10/17 14:07	07/11/17 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119	07/10/17 14:07	07/11/17 05:24	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-65_20170627

Lab Sample ID: 580-69641-39

Date Collected: 06/27/17 15:45

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	15		2.0		ug/L			07/11/17 07:37	1
Xylenes, Total	36		3.0		ug/L			07/11/17 07:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120					07/11/17 07:37	1
Toluene-d8 (Surr)	105		80 - 122					07/11/17 07:37	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126					07/11/17 07:37	1
4-Bromofluorobenzene (Surr)	97		75 - 125					07/11/17 07:37	1
Dibromofluoromethane (Surr)	96		77 - 120					07/11/17 07:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2100	H	100		ug/L			07/12/17 00:50	50
Ethylbenzene	1800	H	150		ug/L			07/12/17 00:50	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120					07/12/17 00:50	50
Toluene-d8 (Surr)	106		80 - 122					07/12/17 00:50	50
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/12/17 00:50	50
4-Bromofluorobenzene (Surr)	93		75 - 125					07/12/17 00:50	50
Dibromofluoromethane (Surr)	96		77 - 120					07/12/17 00:50	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11000		500		ug/L			07/10/17 10:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121		77 - 128					07/10/17 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4300	*	100		ug/L		07/10/17 14:07	07/11/17 06:26	1
Motor Oil (>C24-C36)	ND	*	260		ug/L		07/10/17 14:07	07/11/17 06:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119				07/10/17 14:07	07/11/17 06:26	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-66_20170627

Lab Sample ID: 580-69641-40

Date Collected: 06/27/17 15:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	6.6		2.0		ug/L			07/11/17 03:38	1
Xylenes, Total	9.8		3.0		ug/L			07/11/17 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/11/17 03:38	1
Toluene-d8 (Surr)	102		80 - 122					07/11/17 03:38	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126					07/11/17 03:38	1
4-Bromofluorobenzene (Surr)	102		75 - 125					07/11/17 03:38	1
Dibromofluoromethane (Surr)	104		77 - 120					07/11/17 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	260		40		ug/L			07/11/17 23:58	20
Ethylbenzene	240		60		ug/L			07/11/17 23:58	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120					07/11/17 23:58	20
Toluene-d8 (Surr)	107		80 - 122					07/11/17 23:58	20
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					07/11/17 23:58	20
4-Bromofluorobenzene (Surr)	94		75 - 125					07/11/17 23:58	20
Dibromofluoromethane (Surr)	96		77 - 120					07/11/17 23:58	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2700		500		ug/L			07/10/17 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121		77 - 128					07/10/17 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1000	*	100		ug/L		07/10/17 14:07	07/11/17 06:47	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		43 - 119				07/10/17 14:07	07/11/17 06:47	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-67_20170628

Lab Sample ID: 580-69641-41

Date Collected: 06/28/17 15:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	230	E	2.0		ug/L			07/11/17 20:52	1
Toluene	11		2.0		ug/L			07/11/17 20:52	1
Ethylbenzene	260	E	3.0		ug/L			07/11/17 20:52	1
Xylenes, Total	67		3.0		ug/L			07/11/17 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/11/17 20:52	1
Toluene-d8 (Surr)	100		80 - 122		07/11/17 20:52	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		07/11/17 20:52	1
4-Bromofluorobenzene (Surr)	100		75 - 125		07/11/17 20:52	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	280	H	40		ug/L			07/15/17 02:21	20
Ethylbenzene	460	H	60		ug/L			07/15/17 02:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/15/17 02:21	20
Toluene-d8 (Surr)	101		80 - 122		07/15/17 02:21	20
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		07/15/17 02:21	20
4-Bromofluorobenzene (Surr)	100		75 - 125		07/15/17 02:21	20
Dibromofluoromethane (Surr)	99		77 - 120		07/15/17 02:21	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4300	H	500		ug/L			07/13/17 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121		77 - 128		07/13/17 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1400	*	100		ug/L		07/10/17 14:07	07/11/17 07:28	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 07:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		43 - 119	07/10/17 14:07	07/11/17 07:28	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-68_20170628

Lab Sample ID: 580-69641-42

Date Collected: 06/28/17 15:20

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 21:19	1
Toluene	ND		2.0		ug/L			07/11/17 21:19	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 21:19	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 21:19	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 21:19	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		07/11/17 21:19	1
4-Bromofluorobenzene (Surr)	101		75 - 125		07/11/17 21:19	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		07/13/17 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 07:49	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 07:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		43 - 119	07/10/17 14:07	07/11/17 07:49	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-69_20170628

Lab Sample ID: 580-69641-43

Date Collected: 06/28/17 15:35

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 21:44	1
Toluene	ND		2.0		ug/L			07/11/17 21:44	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 21:44	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 21:44	1
Toluene-d8 (Surr)	102		80 - 122		07/11/17 21:44	1
1,2-Dichloroethane-d4 (Surr)	93		80 - 126		07/11/17 21:44	1
4-Bromofluorobenzene (Surr)	103		75 - 125		07/11/17 21:44	1
Dibromofluoromethane (Surr)	102		77 - 120		07/11/17 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		07/13/17 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 08:10	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 08:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		43 - 119	07/10/17 14:07	07/11/17 08:10	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-70_20170628

Lab Sample ID: 580-69641-44

Date Collected: 06/28/17 15:55

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 22:09	1
Toluene	ND		2.0		ug/L			07/11/17 22:09	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 22:09	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 22:09	1
Toluene-d8 (Surr)	102		80 - 122		07/11/17 22:09	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		07/11/17 22:09	1
4-Bromofluorobenzene (Surr)	99		75 - 125		07/11/17 22:09	1
Dibromofluoromethane (Surr)	100		77 - 120		07/11/17 22:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128		07/13/17 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	*	100		ug/L		07/10/17 14:07	07/11/17 08:30	1
Motor Oil (>C24-C36)	ND	*	250		ug/L		07/10/17 14:07	07/11/17 08:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		43 - 119	07/10/17 14:07	07/11/17 08:30	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-71_20170628

Lab Sample ID: 580-69641-45

Date Collected: 06/28/17 08:50

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 22:36	1
Toluene	ND		2.0		ug/L			07/11/17 22:36	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 22:36	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/11/17 22:36	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 22:36	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		07/11/17 22:36	1
4-Bromofluorobenzene (Surr)	102		75 - 125		07/11/17 22:36	1
Dibromofluoromethane (Surr)	102		77 - 120		07/11/17 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128		07/13/17 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	280		100		ug/L		07/12/17 14:20	07/13/17 17:11	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/12/17 14:20	07/13/17 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		43 - 119	07/12/17 14:20	07/13/17 17:11	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: AG-WELL_20170628

Lab Sample ID: 580-69641-46

Date Collected: 06/28/17 12:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 23:02	1
Toluene	2.1		2.0		ug/L			07/11/17 23:02	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 23:02	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 23:02	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 23:02	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		07/11/17 23:02	1
4-Bromofluorobenzene (Surr)	101		75 - 125		07/11/17 23:02	1
Dibromofluoromethane (Surr)	101		77 - 120		07/11/17 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/13/17 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	117		77 - 128		07/13/17 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/12/17 14:20	07/13/17 17:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/12/17 14:20	07/13/17 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		43 - 119	07/12/17 14:20	07/13/17 17:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Dup-1_20170627

Date Collected: 06/27/17 06:00

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-47

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	9.6		2.0		ug/L			07/11/17 04:04	1
Xylenes, Total	26		3.0		ug/L			07/11/17 04:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					07/11/17 04:04	1
Toluene-d8 (Surr)	100		80 - 122					07/11/17 04:04	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126					07/11/17 04:04	1
4-Bromofluorobenzene (Surr)	101		75 - 125					07/11/17 04:04	1
Dibromofluoromethane (Surr)	98		77 - 120					07/11/17 04:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	330	H	40		ug/L			07/12/17 00:24	20
Ethylbenzene	630	H	60		ug/L			07/12/17 00:24	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120					07/12/17 00:24	20
Toluene-d8 (Surr)	106		80 - 122					07/12/17 00:24	20
1,2-Dichloroethane-d4 (Surr)	108		80 - 126					07/12/17 00:24	20
4-Bromofluorobenzene (Surr)	93		75 - 125					07/12/17 00:24	20
Dibromofluoromethane (Surr)	97		77 - 120					07/12/17 00:24	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7600		500		ug/L			07/10/17 11:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128					07/10/17 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3500	B *	100		ug/L		07/11/17 09:42	07/11/17 20:12	1
Motor Oil (>C24-C36)	1400	B *	250		ug/L		07/11/17 09:42	07/11/17 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	86		43 - 119				07/11/17 09:42	07/11/17 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2900	H	100		ug/L		07/12/17 14:20	07/13/17 18:11	1
Motor Oil (>C24-C36)	ND	H	260		ug/L		07/12/17 14:20	07/13/17 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	61		43 - 119				07/12/17 14:20	07/13/17 18:11	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Dup-2_20170628

Lab Sample ID: 580-69641-48

Date Collected: 06/28/17 06:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	250	E	2.0		ug/L			07/11/17 23:28	1
Toluene	5.8		2.0		ug/L			07/11/17 23:28	1
Ethylbenzene	330	E	3.0		ug/L			07/11/17 23:28	1
Xylenes, Total	19		3.0		ug/L			07/11/17 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 23:28	1
Toluene-d8 (Surr)	100		80 - 122		07/11/17 23:28	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		07/11/17 23:28	1
4-Bromofluorobenzene (Surr)	102		75 - 125		07/11/17 23:28	1
Dibromofluoromethane (Surr)	100		77 - 120		07/11/17 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	330	H	40		ug/L			07/15/17 02:47	20
Ethylbenzene	1300	H	60		ug/L			07/15/17 02:47	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/15/17 02:47	20
Toluene-d8 (Surr)	101		80 - 122		07/15/17 02:47	20
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		07/15/17 02:47	20
4-Bromofluorobenzene (Surr)	100		75 - 125		07/15/17 02:47	20
Dibromofluoromethane (Surr)	98		77 - 120		07/15/17 02:47	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	12000	H	500		ug/L			07/14/17 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121		77 - 128		07/14/17 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3700		100		ug/L		07/12/17 14:20	07/13/17 18:39	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/12/17 14:20	07/13/17 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119	07/12/17 14:20	07/13/17 18:39	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Dup-3_20170628

Lab Sample ID: 580-69641-49

Date Collected: 06/28/17 06:00

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	21		2.0		ug/L			07/11/17 23:54	1
Toluene	91		2.0		ug/L			07/11/17 23:54	1
Ethylbenzene	340	E	3.0		ug/L			07/11/17 23:54	1
Xylenes, Total	960		3.0		ug/L			07/11/17 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/11/17 23:54	1
Toluene-d8 (Surr)	98		80 - 122		07/11/17 23:54	1
1,2-Dichloroethane-d4 (Surr)	97		80 - 126		07/11/17 23:54	1
4-Bromofluorobenzene (Surr)	98		75 - 125		07/11/17 23:54	1
Dibromofluoromethane (Surr)	97		77 - 120		07/11/17 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	100		ug/L			07/15/17 03:12	50
Ethylbenzene	2000	H	150		ug/L			07/15/17 03:12	50
Xylenes, Total	8600	H	150		ug/L			07/15/17 03:12	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/15/17 03:12	50
Toluene-d8 (Surr)	102		80 - 122		07/15/17 03:12	50
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		07/15/17 03:12	50
4-Bromofluorobenzene (Surr)	102		75 - 125		07/15/17 03:12	50
Dibromofluoromethane (Surr)	101		77 - 120		07/15/17 03:12	50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		80 - 120		07/18/17 20:02	500
Toluene-d8 (Surr)	99		80 - 122		07/18/17 20:02	500
1,2-Dichloroethane-d4 (Surr)	114		80 - 126		07/18/17 20:02	500
4-Bromofluorobenzene (Surr)	103		75 - 125		07/18/17 20:02	500
Dibromofluoromethane (Surr)	102		77 - 120		07/18/17 20:02	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	41000	H	5000		ug/L			07/14/17 00:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		77 - 128		07/14/17 00:48	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3000		100		ug/L		07/12/17 14:20	07/13/17 19:09	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/12/17 14:20	07/13/17 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<u>o-Terphenyl</u>	65		43 - 119	07/12/17 14:20	07/13/17 19:09	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Dup-4_20170628

Date Collected: 06/28/17 06:30

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/12/17 00:21	1
Toluene	ND		2.0		ug/L			07/12/17 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120					07/12/17 00:21	1
Toluene-d8 (Surr)	101		80 - 122					07/12/17 00:21	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 126					07/12/17 00:21	1
4-Bromofluorobenzene (Surr)	101		75 - 125					07/12/17 00:21	1
Dibromofluoromethane (Surr)	99		77 - 120					07/12/17 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	H	3.0		ug/L			07/14/17 19:52	1
Xylenes, Total	ND	H	3.0		ug/L			07/14/17 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120					07/14/17 19:52	1
Toluene-d8 (Surr)	101		80 - 122					07/14/17 19:52	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126					07/14/17 19:52	1
4-Bromofluorobenzene (Surr)	102		75 - 125					07/14/17 19:52	1
Dibromofluoromethane (Surr)	100		77 - 120					07/14/17 19:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	500		ug/L			07/16/17 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		77 - 128					07/16/17 01:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/12/17 14:20	07/13/17 19:38	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/12/17 14:20	07/13/17 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	64		43 - 119				07/12/17 14:20	07/13/17 19:38	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Trip Blank-1

Lab Sample ID: 580-69641-51

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 01:28	1
Toluene	ND		2.0		ug/L			07/11/17 01:28	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 01:28	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 01:28	1
Toluene-d8 (Surr)	102		80 - 122		07/11/17 01:28	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 126		07/11/17 01:28	1
4-Bromofluorobenzene (Surr)	102		75 - 125		07/11/17 01:28	1
Dibromofluoromethane (Surr)	102		77 - 120		07/11/17 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/10/17 06:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128		07/10/17 06:28	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Trip Blank-2

Lab Sample ID: 580-69641-52

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 01:55	1
Toluene	ND		2.0		ug/L			07/11/17 01:55	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 01:55	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 01:55	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 01:55	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		07/11/17 01:55	1
4-Bromofluorobenzene (Surr)	100		75 - 125		07/11/17 01:55	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/10/17 07:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		07/10/17 07:00	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Trip Blank-3

Lab Sample ID: 580-69641-53

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 02:21	1
Toluene	ND		2.0		ug/L			07/11/17 02:21	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 02:21	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 02:21	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 02:21	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		07/11/17 02:21	1
4-Bromofluorobenzene (Surr)	99		75 - 125		07/11/17 02:21	1
Dibromofluoromethane (Surr)	99		77 - 120		07/11/17 02:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/10/17 07:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		77 - 128		07/10/17 07:32	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Trip Blank-4

Lab Sample ID: 580-69641-54

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 02:47	1
Toluene	ND		2.0		ug/L			07/11/17 02:47	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 02:47	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 02:47	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 02:47	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 126		07/11/17 02:47	1
4-Bromofluorobenzene (Surr)	102		75 - 125		07/11/17 02:47	1
Dibromofluoromethane (Surr)	102		77 - 120		07/11/17 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/10/17 08:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		77 - 128		07/10/17 08:04	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Trip Blank-5

Lab Sample ID: 580-69641-55

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 03:13	1
Toluene	ND		2.0		ug/L			07/11/17 03:13	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 03:13	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/11/17 03:13	1
Toluene-d8 (Surr)	102		80 - 122		07/11/17 03:13	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		07/11/17 03:13	1
4-Bromofluorobenzene (Surr)	101		75 - 125		07/11/17 03:13	1
Dibromofluoromethane (Surr)	101		77 - 120		07/11/17 03:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/10/17 08:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		77 - 128		07/10/17 08:36	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: MB 580-250744/17

Matrix: Water

Analysis Batch: 250744

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/10/17 23:45	1
Toluene	ND		2.0		ug/L			07/10/17 23:45	1
Ethylbenzene	ND		3.0		ug/L			07/10/17 23:45	1
Xylenes, Total	ND		3.0		ug/L			07/10/17 23:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		07/10/17 23:45	1
Toluene-d8 (Surr)	101		80 - 122		07/10/17 23:45	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		07/10/17 23:45	1
4-Bromofluorobenzene (Surr)	100		75 - 125		07/10/17 23:45	1
Dibromofluoromethane (Surr)	100		77 - 120		07/10/17 23:45	1

Lab Sample ID: LCS 580-250744/18

Matrix: Water

Analysis Batch: 250744

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	10.5		ug/L		105	75 - 120
Toluene	10.0	10.4		ug/L		104	75 - 120
Ethylbenzene	10.0	10.5		ug/L		105	75 - 120
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	75 - 120
o-Xylene	10.0	10.5		ug/L		105	74 - 120
Xylenes, Total	20.0	20.7		ug/L		104	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 120
Toluene-d8 (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	101		77 - 120

Lab Sample ID: LCSD 580-250744/19

Matrix: Water

Analysis Batch: 250744

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	10.7		ug/L		107	75 - 120	2	14
Toluene	10.0	10.4		ug/L		104	75 - 120	0	13
Ethylbenzene	10.0	10.8		ug/L		108	75 - 120	3	14
m-Xylene & p-Xylene	10.0	10.5		ug/L		105	75 - 120	4	14
o-Xylene	10.0	10.9		ug/L		109	74 - 120	4	16
Xylenes, Total	20.0	21.4		ug/L		107	74 - 120	3	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCSD 580-250744/19

Matrix: Water

Analysis Batch: 250744

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	103		77 - 120

Lab Sample ID: MB 580-250759/5

Matrix: Water

Analysis Batch: 250759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 00:08	1
Toluene	ND		2.0		ug/L			07/11/17 00:08	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 00:08	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 00:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/11/17 00:08	1
Toluene-d8 (Surr)	106		80 - 122		07/11/17 00:08	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		07/11/17 00:08	1
4-Bromofluorobenzene (Surr)	95		75 - 125		07/11/17 00:08	1
Dibromofluoromethane (Surr)	100		77 - 120		07/11/17 00:08	1

Lab Sample ID: LCS 580-250759/6

Matrix: Water

Analysis Batch: 250759

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	9.56		ug/L		96	75 - 120
Toluene	10.0	9.71		ug/L		97	75 - 120
Ethylbenzene	10.0	10.1		ug/L		101	75 - 120
m-Xylene & p-Xylene	10.0	9.40		ug/L		94	75 - 120
o-Xylene	10.0	10.2		ug/L		102	74 - 120
Xylenes, Total	20.0	19.6		ug/L		98	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	96		80 - 120
Toluene-d8 (Surr)	104		80 - 122
1,2-Dichloroethane-d4 (Surr)	110		80 - 126
4-Bromofluorobenzene (Surr)	95		75 - 125
Dibromofluoromethane (Surr)	101		77 - 120

Lab Sample ID: LCSD 580-250759/7

Matrix: Water

Analysis Batch: 250759

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	9.70		ug/L		97	75 - 120	1	14
Toluene	10.0	9.68		ug/L		97	75 - 120	0	13
Ethylbenzene	10.0	10.1		ug/L		101	75 - 120	0	14

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCSD 580-250759/7

Matrix: Water

Analysis Batch: 250759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	10.0	9.45		ug/L		95	75 - 120	1	14
o-Xylene	10.0	9.78		ug/L		98	74 - 120	5	16
Xylenes, Total	20.0	19.2		ug/L		96	74 - 120	2	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 120
Toluene-d8 (Surr)	102		80 - 122
1,2-Dichloroethane-d4 (Surr)	109		80 - 126
4-Bromofluorobenzene (Surr)	94		75 - 125
Dibromofluoromethane (Surr)	99		77 - 120

Lab Sample ID: 580-69641-3 MS

Matrix: Water

Analysis Batch: 250759

Client Sample ID: MW-2_20170627

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		10.0	10.9		ug/L		94	80 - 120
Toluene	ND		10.0	9.72		ug/L		97	75 - 120
Ethylbenzene	ND		10.0	10.9		ug/L		91	75 - 119
m-Xylene & p-Xylene	ND		10.0	9.64		ug/L		96	75 - 119
o-Xylene	ND		10.0	10.1		ug/L		101	74 - 120
Xylenes, Total	ND		20.0	19.7		ug/L		99	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 120
Toluene-d8 (Surr)	102		80 - 122
1,2-Dichloroethane-d4 (Surr)	108		80 - 126
4-Bromofluorobenzene (Surr)	95		75 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: 580-69641-3 MSD

Matrix: Water

Analysis Batch: 250759

Client Sample ID: MW-2_20170627

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		10.0	10.1		ug/L		86	80 - 120	8	35
Toluene	ND		10.0	9.46		ug/L		95	75 - 120	3	35
Ethylbenzene	ND		10.0	10.4		ug/L		87	75 - 119	4	35
m-Xylene & p-Xylene	ND		10.0	9.48		ug/L		95	75 - 119	2	35
o-Xylene	ND		10.0	9.97		ug/L		100	74 - 120	1	35
Xylenes, Total	ND		20.0	19.5		ug/L		97	75 - 119	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	98		80 - 120
Toluene-d8 (Surr)	104		80 - 122
1,2-Dichloroethane-d4 (Surr)	106		80 - 126
4-Bromofluorobenzene (Surr)	99		75 - 125

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-3 MSD

Matrix: Water

Analysis Batch: 250759

Client Sample ID: MW-2_20170627

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	99		77 - 120

Lab Sample ID: MB 580-250886/5

Matrix: Water

Analysis Batch: 250886

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 19:59	1
Toluene	ND		2.0		ug/L			07/11/17 19:59	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 19:59	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 19:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/11/17 19:59	1
Toluene-d8 (Surr)	104		80 - 122		07/11/17 19:59	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		07/11/17 19:59	1
4-Bromofluorobenzene (Surr)	93		75 - 125		07/11/17 19:59	1
Dibromofluoromethane (Surr)	97		77 - 120		07/11/17 19:59	1

Lab Sample ID: LCS 580-250886/6

Matrix: Water

Analysis Batch: 250886

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	9.58		ug/L		96	75 - 120
Toluene	10.0	9.48		ug/L		95	75 - 120
Ethylbenzene	10.0	9.87		ug/L		99	75 - 120
m-Xylene & p-Xylene	10.0	9.19		ug/L		92	75 - 120
o-Xylene	10.0	9.71		ug/L		97	74 - 120
Xylenes, Total	20.0	18.9		ug/L		95	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 120
Toluene-d8 (Surr)	104		80 - 122
1,2-Dichloroethane-d4 (Surr)	107		80 - 126
4-Bromofluorobenzene (Surr)	93		75 - 125
Dibromofluoromethane (Surr)	98		77 - 120

Lab Sample ID: LCSD 580-250886/7

Matrix: Water

Analysis Batch: 250886

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	9.38		ug/L		94	75 - 120	2	14
Toluene	10.0	9.39		ug/L		94	75 - 120	1	13
Ethylbenzene	10.0	9.78		ug/L		98	75 - 120	1	14
m-Xylene & p-Xylene	10.0	8.95		ug/L		89	75 - 120	3	14

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCSD 580-250886/7

Matrix: Water

Analysis Batch: 250886

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
o-Xylene	10.0	9.33		ug/L		93	74 - 120	4	16
Xylenes, Total	20.0	18.3		ug/L		91	74 - 120	3	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 120
Toluene-d8 (Surr)	104		80 - 122
1,2-Dichloroethane-d4 (Surr)	107		80 - 126
4-Bromofluorobenzene (Surr)	93		75 - 125
Dibromofluoromethane (Surr)	97		77 - 120

Lab Sample ID: MB 580-250970/5

Matrix: Water

Analysis Batch: 250970

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/12/17 18:34	1
Toluene	ND		2.0		ug/L			07/12/17 18:34	1
Ethylbenzene	ND		3.0		ug/L			07/12/17 18:34	1
Xylenes, Total	ND		3.0		ug/L			07/12/17 18:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		07/12/17 18:34	1
Toluene-d8 (Surr)	105		80 - 122		07/12/17 18:34	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		07/12/17 18:34	1
4-Bromofluorobenzene (Surr)	94		75 - 125		07/12/17 18:34	1
Dibromofluoromethane (Surr)	99		77 - 120		07/12/17 18:34	1

Lab Sample ID: LCS 580-250970/6

Matrix: Water

Analysis Batch: 250970

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	8.88		ug/L		89	75 - 120
Toluene	10.0	9.01		ug/L		90	75 - 120
Ethylbenzene	10.0	9.52		ug/L		95	75 - 120
m-Xylene & p-Xylene	10.0	8.88		ug/L		89	75 - 120
o-Xylene	10.0	9.24		ug/L		92	74 - 120
Xylenes, Total	20.0	18.1		ug/L		91	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	96		80 - 120
Toluene-d8 (Surr)	104		80 - 122
1,2-Dichloroethane-d4 (Surr)	106		80 - 126
4-Bromofluorobenzene (Surr)	94		75 - 125
Dibromofluoromethane (Surr)	96		77 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCSD 580-250970/7

Matrix: Water

Analysis Batch: 250970

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	8.94		ug/L		89	75 - 120	1	14
Toluene	10.0	9.31		ug/L		93	75 - 120	3	13
Ethylbenzene	10.0	9.53		ug/L		95	75 - 120	0	14
m-Xylene & p-Xylene	10.0	8.88		ug/L		89	75 - 120	0	14
o-Xylene	10.0	9.25		ug/L		92	74 - 120	0	16
Xylenes, Total	20.0	18.1		ug/L		91	74 - 120	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	95		80 - 120
Toluene-d8 (Surr)	105		80 - 122
1,2-Dichloroethane-d4 (Surr)	108		80 - 126
4-Bromofluorobenzene (Surr)	94		75 - 125
Dibromofluoromethane (Surr)	96		77 - 120

Lab Sample ID: MB 580-251032/5

Matrix: Water

Analysis Batch: 251032

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/11/17 16:57	1
Toluene	ND		2.0		ug/L			07/11/17 16:57	1
Ethylbenzene	ND		3.0		ug/L			07/11/17 16:57	1
Xylenes, Total	ND		3.0		ug/L			07/11/17 16:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		07/11/17 16:57	1
Toluene-d8 (Surr)	101		80 - 122		07/11/17 16:57	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 126		07/11/17 16:57	1
4-Bromofluorobenzene (Surr)	104		75 - 125		07/11/17 16:57	1
Dibromofluoromethane (Surr)	105		77 - 120		07/11/17 16:57	1

Lab Sample ID: LCS 580-251032/6

Matrix: Water

Analysis Batch: 251032

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	10.5		ug/L		105	75 - 120
Toluene	10.0	10.5		ug/L		105	75 - 120
Ethylbenzene	10.0	10.8		ug/L		108	75 - 120
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	75 - 120
o-Xylene	10.0	10.8		ug/L		108	74 - 120
Xylenes, Total	20.0	21.1		ug/L		106	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	104		80 - 126

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCS 580-251032/6

Matrix: Water

Analysis Batch: 251032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	104		77 - 120

Lab Sample ID: LCSD 580-251032/7

Matrix: Water

Analysis Batch: 251032

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	10.2		ug/L		102	75 - 120	3	14
Toluene	10.0	10.3		ug/L		103	75 - 120	2	13
Ethylbenzene	10.0	10.4		ug/L		104	75 - 120	3	14
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 120	2	14
o-Xylene	10.0	10.2		ug/L		102	74 - 120	6	16
Xylenes, Total	20.0	20.3		ug/L		102	74 - 120	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	107		80 - 126
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: 580-69641-38 MS

Matrix: Water

Analysis Batch: 251032

Client Sample ID: MW-64_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10		10.0	20.3		ug/L		99	80 - 120
Toluene	ND		10.0	11.8		ug/L		104	75 - 120
Ethylbenzene	ND		10.0	11.6		ug/L		100	75 - 119
m-Xylene & p-Xylene	7.7		10.0	16.3		ug/L		86	75 - 119
o-Xylene	ND		10.0	10.8		ug/L		99	74 - 120
Xylenes, Total	7.7		20.0	27.1		ug/L		97	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	98		80 - 126
4-Bromofluorobenzene (Surr)	98		75 - 125
Dibromofluoromethane (Surr)	99		77 - 120

Lab Sample ID: 580-69641-38 MSD

Matrix: Water

Analysis Batch: 251032

Client Sample ID: MW-64_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	10		10.0	20.3		ug/L		100	80 - 120	0	35

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-38 MSD

Matrix: Water

Analysis Batch: 251032

Client Sample ID: MW-64_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		10.0	11.7		ug/L		102	75 - 120	1	35
Ethylbenzene	ND		10.0	11.5		ug/L		99	75 - 119	1	35
m-Xylene & p-Xylene	7.7		10.0	16.1		ug/L		83	75 - 119	2	35
o-Xylene	ND		10.0	11.2		ug/L		103	74 - 120	4	35
Xylenes, Total	7.7		20.0	27.3		ug/L		98	75 - 119	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	98		80 - 120
Toluene-d8 (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		80 - 126
4-Bromofluorobenzene (Surr)	101		75 - 125
Dibromofluoromethane (Surr)	103		77 - 120

Lab Sample ID: MB 580-251038/5

Matrix: Water

Analysis Batch: 251038

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/12/17 03:50	1
Toluene	ND		2.0		ug/L			07/12/17 03:50	1
Ethylbenzene	ND		3.0		ug/L			07/12/17 03:50	1
Xylenes, Total	ND		3.0		ug/L			07/12/17 03:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		07/12/17 03:50	1
Toluene-d8 (Surr)	102		80 - 122		07/12/17 03:50	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 126		07/12/17 03:50	1
4-Bromofluorobenzene (Surr)	101		75 - 125		07/12/17 03:50	1
Dibromofluoromethane (Surr)	100		77 - 120		07/12/17 03:50	1

Lab Sample ID: LCS 580-251038/6

Matrix: Water

Analysis Batch: 251038

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	10.0		ug/L		100	75 - 120
Toluene	10.0	10.2		ug/L		102	75 - 120
Ethylbenzene	10.0	10.3		ug/L		103	75 - 120
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	75 - 120
o-Xylene	10.0	10.2		ug/L		102	74 - 120
Xylenes, Total	20.0	20.4		ug/L		102	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	97		80 - 126
4-Bromofluorobenzene (Surr)	100		75 - 125

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCS 580-251038/6

Matrix: Water

Analysis Batch: 251038

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	101		77 - 120

Lab Sample ID: LCSD 580-251038/7

Matrix: Water

Analysis Batch: 251038

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	10.2		ug/L		102	75 - 120	2	14
Toluene	10.0	10.3		ug/L		103	75 - 120	1	13
Ethylbenzene	10.0	10.5		ug/L		105	75 - 120	2	14
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 120	0	14
o-Xylene	10.0	10.3		ug/L		103	74 - 120	1	16
Xylenes, Total	20.0	20.4		ug/L		102	74 - 120	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		80 - 126
4-Bromofluorobenzene (Surr)	99		75 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: 580-69641-13 MS

Matrix: Water

Analysis Batch: 251038

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	86		10.0	131	E 4	ug/L		450	80 - 120
Toluene	10	F1	10.0	28.5	F1	ug/L		185	75 - 120
Ethylbenzene	120	E	10.0	231	E 4	ug/L		1078	75 - 119
m-Xylene & p-Xylene	260	E	10.0	398	E 4	ug/L		1336	75 - 119
o-Xylene	55		10.0	107	E 4	ug/L		514	74 - 120
Xylenes, Total	320		20.0	505	4	ug/L		950	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	104		80 - 120
Toluene-d8 (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	95		80 - 126
4-Bromofluorobenzene (Surr)	105		75 - 125
Dibromofluoromethane (Surr)	101		77 - 120

Lab Sample ID: 580-69641-13 MSD

Matrix: Water

Analysis Batch: 251038

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	86		10.0	134	E 4	ug/L		476	80 - 120	2	35
Toluene	10	F1	10.0	28.8	F1	ug/L		188	75 - 120	1	35

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-13 MSD

Matrix: Water

Analysis Batch: 251038

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	120	E	10.0	231	E 4	ug/L		1080	75 - 119	0	35
m-Xylene & p-Xylene	260	E	10.0	390	E 4	ug/L		1260	75 - 119	2	35
o-Xylene	55		10.0	106	E 4	ug/L		508	74 - 120	0	35
Xylenes, Total	320		20.0	496	4	ug/L		905	75 - 119	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		80 - 126
4-Bromofluorobenzene (Surr)	103		75 - 125
Dibromofluoromethane (Surr)	99		77 - 120

Lab Sample ID: 580-69641-20 MS

Matrix: Water

Analysis Batch: 251038

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	24	F1	10.0	35.7	F1	ug/L		121	80 - 120		
Toluene	15		10.0	25.9		ug/L		108	75 - 120		
Ethylbenzene	230	E	10.0	232	E 4	ug/L		32	75 - 119		
m-Xylene & p-Xylene	410	E	10.0	422	E 4	ug/L		87	75 - 119		
o-Xylene	210	E	10.0	226	E 4	ug/L		157	74 - 120		
Xylenes, Total	620		20.0	648	4	ug/L		140	75 - 119		

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	97		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		80 - 126
4-Bromofluorobenzene (Surr)	104		75 - 125
Dibromofluoromethane (Surr)	99		77 - 120

Lab Sample ID: 580-69641-20 MSD

Matrix: Water

Analysis Batch: 251038

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	24	F1	10.0	31.5	F1	ug/L		79	80 - 120	13	35
Toluene	15		10.0	23.6		ug/L		85	75 - 120	10	35
Ethylbenzene	230	E	10.0	218	E 4	ug/L		-111	75 - 119	6	35
m-Xylene & p-Xylene	410	E	10.0	405	E 4	ug/L		-81	75 - 119	4	35
o-Xylene	210	E	10.0	199	E 4	ug/L		-120	74 - 120	13	35
Xylenes, Total	620		20.0	604	4	ug/L		-80	75 - 119	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	97		80 - 126

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-20 MSD

Matrix: Water

Analysis Batch: 251038

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		75 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: MB 580-251229/5

Matrix: Water

Analysis Batch: 251229

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		2.0		ug/L			07/14/17 13:42	1
Toluene	ND		2.0		ug/L			07/14/17 13:42	1
Ethylbenzene	ND		3.0		ug/L			07/14/17 13:42	1
Xylenes, Total	ND		3.0		ug/L			07/14/17 13:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Trifluorotoluene (Surr)	101		80 - 120		07/14/17 13:42	1
Toluene-d8 (Surr)	100		80 - 122		07/14/17 13:42	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 126		07/14/17 13:42	1
4-Bromofluorobenzene (Surr)	103		75 - 125		07/14/17 13:42	1
Dibromofluoromethane (Surr)	101		77 - 120		07/14/17 13:42	1

Lab Sample ID: LCS 580-251229/6

Matrix: Water

Analysis Batch: 251229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Benzene	10.0	10.3		ug/L		103	75 - 120
Toluene	10.0	10.1		ug/L		101	75 - 120
Ethylbenzene	10.0	10.4		ug/L		104	75 - 120
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	75 - 120
o-Xylene	10.0	10.4		ug/L		104	74 - 120
Xylenes, Total	20.0	20.7		ug/L		104	74 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Trifluorotoluene (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		80 - 126
4-Bromofluorobenzene (Surr)	103		75 - 125
Dibromofluoromethane (Surr)	101		77 - 120

Lab Sample ID: LCSD 580-251229/7

Matrix: Water

Analysis Batch: 251229

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Benzene	10.0	10.4		ug/L		104	75 - 120	1	14
Toluene	10.0	10.5		ug/L		105	75 - 120	3	13
Ethylbenzene	10.0	10.7		ug/L		107	75 - 120	3	14

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCSD 580-251229/7

Matrix: Water

Analysis Batch: 251229

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	10.0	10.7		ug/L		107	75 - 120	3	14
o-Xylene	10.0	10.8		ug/L		108	74 - 120	4	16
Xylenes, Total	20.0	21.5		ug/L		108	74 - 120	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		80 - 126
4-Bromofluorobenzene (Surr)	103		75 - 125
Dibromofluoromethane (Surr)	102		77 - 120

Lab Sample ID: MB 580-251262/6

Matrix: Water

Analysis Batch: 251262

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/15/17 00:36	1
Toluene	ND		2.0		ug/L			07/15/17 00:36	1
Ethylbenzene	ND		3.0		ug/L			07/15/17 00:36	1
Xylenes, Total	ND		3.0		ug/L			07/15/17 00:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		07/15/17 00:36	1
Toluene-d8 (Surr)	101		80 - 122		07/15/17 00:36	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		07/15/17 00:36	1
4-Bromofluorobenzene (Surr)	100		75 - 125		07/15/17 00:36	1
Dibromofluoromethane (Surr)	99		77 - 120		07/15/17 00:36	1

Lab Sample ID: LCS 580-251262/7

Matrix: Water

Analysis Batch: 251262

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	10.1		ug/L		101	75 - 120
Toluene	10.0	10.1		ug/L		101	75 - 120
Ethylbenzene	10.0	10.1		ug/L		101	75 - 120
m-Xylene & p-Xylene	10.0	9.98		ug/L		100	75 - 120
o-Xylene	10.0	10.2		ug/L		102	74 - 120
Xylenes, Total	20.0	20.2		ug/L		101	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		80 - 126
4-Bromofluorobenzene (Surr)	100		75 - 125
Dibromofluoromethane (Surr)	101		77 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCSD 580-251262/8

Matrix: Water

Analysis Batch: 251262

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	9.93		ug/L		99	75 - 120	1	14
Toluene	10.0	10.0		ug/L		100	75 - 120	0	13
Ethylbenzene	10.0	10.2		ug/L		102	75 - 120	1	14
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 120	1	14
o-Xylene	10.0	10.0		ug/L		100	74 - 120	2	16
Xylenes, Total	20.0	20.1		ug/L		101	74 - 120	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126
4-Bromofluorobenzene (Surr)	101		75 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: MB 580-251465/5

Matrix: Water

Analysis Batch: 251465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/18/17 15:29	1
Toluene	ND		2.0		ug/L			07/18/17 15:29	1
Ethylbenzene	ND		3.0		ug/L			07/18/17 15:29	1
Xylenes, Total	ND		3.0		ug/L			07/18/17 15:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		80 - 120		07/18/17 15:29	1
Toluene-d8 (Surr)	100		80 - 122		07/18/17 15:29	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		07/18/17 15:29	1
4-Bromofluorobenzene (Surr)	103		75 - 125		07/18/17 15:29	1
Dibromofluoromethane (Surr)	102		77 - 120		07/18/17 15:29	1

Lab Sample ID: LCS 580-251465/6

Matrix: Water

Analysis Batch: 251465

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	10.4		ug/L		104	75 - 120
Toluene	10.0	10.0		ug/L		100	75 - 120
Ethylbenzene	10.0	10.2		ug/L		102	75 - 120
m-Xylene & p-Xylene	10.0	9.99		ug/L		100	75 - 120
o-Xylene	10.0	10.4		ug/L		104	74 - 120
Xylenes, Total	20.0	20.4		ug/L		102	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	113		80 - 126

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCS 580-251465/6

Matrix: Water

Analysis Batch: 251465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	102		77 - 120

Lab Sample ID: LCSD 580-251465/7

Matrix: Water

Analysis Batch: 251465

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	10.8		ug/L		108	75 - 120	3	14
Toluene	10.0	10.3		ug/L		103	75 - 120	3	13
Ethylbenzene	10.0	10.7		ug/L		107	75 - 120	5	14
m-Xylene & p-Xylene	10.0	10.4		ug/L		104	75 - 120	4	14
o-Xylene	10.0	10.9		ug/L		109	74 - 120	4	16
Xylenes, Total	20.0	21.3		ug/L		107	74 - 120	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	104		80 - 120
Toluene-d8 (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	109		80 - 126
4-Bromofluorobenzene (Surr)	105		75 - 125
Dibromofluoromethane (Surr)	105		77 - 120

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

Lab Sample ID: 580-69641-13 MS

Matrix: Water

Analysis Batch: 251262

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene - DL	160	H F1	200	579	H F1	ug/L		212	75 - 119
m-Xylene & p-Xylene - DL	390	H F1	200	1120	H F1	ug/L		363	75 - 119
Xylenes, Total - DL	450	H F1	400	1440	H F1	ug/L		247	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr) - DL	100		80 - 120
Toluene-d8 (Surr) - DL	101		80 - 122
1,2-Dichloroethane-d4 (Surr) - DL	104		80 - 126
4-Bromofluorobenzene (Surr) - DL	102		75 - 125
Dibromofluoromethane (Surr) - DL	102		77 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-13 MSD

Matrix: Water

Analysis Batch: 251262

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene - DL	160	H F1	200	573	H F1	ug/L		209	75 - 119	1	35
m-Xylene & p-Xylene - DL	390	H F1	200	1110	H F1	ug/L		359	75 - 119	1	35
Xylenes, Total - DL	450	H F1	400	1420	H F1	ug/L		242	75 - 119	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr) - DL	100		80 - 120
Toluene-d8 (Surr) - DL	101		80 - 122
1,2-Dichloroethane-d4 (Surr) - DL	104		80 - 126
4-Bromofluorobenzene (Surr) - DL	100		75 - 125
Dibromofluoromethane (Surr) - DL	99		77 - 120

Lab Sample ID: 580-69641-20 MS

Matrix: Water

Analysis Batch: 251262

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene - DL	340	H F1	200	540	H	ug/L		101	75 - 119
m-Xylene & p-Xylene - DL	1200	H	200	1360	H 4	ug/L		91	75 - 119
o-Xylene - DL	250	H F1	200	453	H	ug/L		104	74 - 120
Xylenes, Total - DL	1500	H F1	400	1810	H	ug/L		91	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr) - DL	99		80 - 120
Toluene-d8 (Surr) - DL	100		80 - 122
1,2-Dichloroethane-d4 (Surr) - DL	105		80 - 126
4-Bromofluorobenzene (Surr) - DL	100		75 - 125
Dibromofluoromethane (Surr) - DL	100		77 - 120

Lab Sample ID: 580-69641-20 MSD

Matrix: Water

Analysis Batch: 251262

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene - DL	340	H F1	200	449	H F1	ug/L		55	75 - 119	18	35
m-Xylene & p-Xylene - DL	1200	H	200	1020	H 4	ug/L		-76	75 - 119	28	35
o-Xylene - DL	250	H F1	200	373	H F1	ug/L		64	74 - 120	19	35
Xylenes, Total - DL	1500	H F1	400	1390	H F1	ug/L		-14	75 - 119	26	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr) - DL	99		80 - 120
Toluene-d8 (Surr) - DL	101		80 - 122
1,2-Dichloroethane-d4 (Surr) - DL	104		80 - 126

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-20 MSD

Matrix: Water

Analysis Batch: 251262

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr) - DL	101		75 - 125
Dibromofluoromethane (Surr) - DL	101		77 - 120

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

Lab Sample ID: MB 580-250625/5

Matrix: Water

Analysis Batch: 250625

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/09/17 13:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		77 - 128					07/09/17 13:56	1

Lab Sample ID: LCS 580-250625/6

Matrix: Water

Analysis Batch: 250625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	962		ug/L		96	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Trifluorotoluene (Surr)	123		77 - 128				

Lab Sample ID: LCSD 580-250625/7

Matrix: Water

Analysis Batch: 250625

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	930		ug/L		93	79 - 110	3	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	122		77 - 128						

Lab Sample ID: 580-69641-3 MS

Matrix: Water

Analysis Batch: 250625

Client Sample ID: MW-2_20170627

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	ND	F1	1000	841	F1	ug/L		78	79 - 110
Surrogate	MS %Recovery	MS Qualifier	Limits						
Trifluorotoluene (Surr)	107		77 - 128						

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-3 MSD

Matrix: Water

Analysis Batch: 250625

Client Sample ID: MW-2_20170627

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND	F1	1000	866		ug/L		80	79 - 110	3	10
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	110		77 - 128								

Lab Sample ID: MB 580-250633/5

Matrix: Water

Analysis Batch: 250633

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/10/17 05:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		77 - 128					07/10/17 05:24	1

Lab Sample ID: LCS 580-250633/6

Matrix: Water

Analysis Batch: 250633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	847		ug/L		85	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Trifluorotoluene (Surr)	116		77 - 128				

Lab Sample ID: 580-69641-13 MS

Matrix: Water

Analysis Batch: 250633

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	3500	F2 F1	1000	8690	F1	ug/L		520	79 - 110
Surrogate	MS %Recovery	MS Qualifier	Limits						
Trifluorotoluene (Surr)	114		77 - 128						

Lab Sample ID: 580-69641-13 MSD

Matrix: Water

Analysis Batch: 250633

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	3500	F2 F1	1000	7110	F1 F2	ug/L		362	79 - 110	20	10
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	113		77 - 128								

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: MB 580-250806/5

Matrix: Water

Analysis Batch: 250806

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/12/17 06:28	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	87		77 - 128					07/12/17 06:28	1

Lab Sample ID: LCS 580-250806/6

Matrix: Water

Analysis Batch: 250806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	1000	828		ug/L		83	79 - 110		
Surrogate	%Recovery	LCS Qualifier	Limits						
Trifluorotoluene (Surr)	100		77 - 128						

Lab Sample ID: LCSD 580-250806/7

Matrix: Water

Analysis Batch: 250806

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	819		ug/L		82	79 - 110	1	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	97		77 - 128						

Lab Sample ID: 580-69641-20 MS

Matrix: Water

Analysis Batch: 250806

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	25000		1000	23200	4	ug/L		-158	79 - 110		
Surrogate	%Recovery	MS Qualifier	Limits								
Trifluorotoluene (Surr)	123		77 - 128								

Lab Sample ID: 580-69641-20 MSD

Matrix: Water

Analysis Batch: 250806

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	25000		1000	23700	4	ug/L		-107	79 - 110	2	10
Surrogate	%Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	123		77 - 128								

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: MB 580-250962/5

Matrix: Water

Analysis Batch: 250962

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/13/17 10:56	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	116		77 - 128					07/13/17 10:56	1

Lab Sample ID: LCS 580-250962/6

Matrix: Water

Analysis Batch: 250962

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	897		ug/L		90	79 - 110
Surrogate	%Recovery	LCS Qualifier	Limits				
Trifluorotoluene (Surr)	103		77 - 128				

Lab Sample ID: LCSD 580-250962/7

Matrix: Water

Analysis Batch: 250962

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	872		ug/L		87	79 - 110	3	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	100		77 - 128						

Lab Sample ID: 580-69641-38 MS

Matrix: Water

Analysis Batch: 250962

Client Sample ID: MW-64_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1500	H	1000	2430	H	ug/L		91	79 - 110
Surrogate	%Recovery	MS Qualifier	Limits						
Trifluorotoluene (Surr)	116		77 - 128						

Lab Sample ID: 580-69641-38 MSD

Matrix: Water

Analysis Batch: 250962

Client Sample ID: MW-64_20170628

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1500	H	1000	2500	H	ug/L		98	79 - 110	3	10
Surrogate	%Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	115		77 - 128								

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: MB 580-251286/5

Matrix: Water

Analysis Batch: 251286

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		500		ug/L			07/15/17 15:01	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		77 - 128					07/15/17 15:01	1

Lab Sample ID: LCS 580-251286/6

Matrix: Water

Analysis Batch: 251286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	1000	881		ug/L		88	79 - 110		
Surrogate	%Recovery	LCS Qualifier	Limits						
Trifluorotoluene (Surr)	106		77 - 128						

Lab Sample ID: LCSD 580-251286/7

Matrix: Water

Analysis Batch: 251286

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	857		ug/L		86	79 - 110	3	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	101		77 - 128						

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

Lab Sample ID: MB 580-250398/1-A

Matrix: Water

Analysis Batch: 250506

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 250398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/06/17 07:58	07/07/17 22:33	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/06/17 07:58	07/07/17 22:33	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	112		43 - 119				07/06/17 07:58	07/07/17 22:33	1

Lab Sample ID: LCS 580-250398/2-A

Matrix: Water

Analysis Batch: 250506

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 250398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2000	1960		ug/L		98	59 - 112		
Motor Oil (>C24-C36)	2000	2180		ug/L		109	64 - 120		

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCS 580-250398/2-A

Matrix: Water

Analysis Batch: 250506

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 250398

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	110		43 - 119

Lab Sample ID: LCSD 580-250398/3-A

Matrix: Water

Analysis Batch: 250506

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 250398

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1840		ug/L		92	59 - 112	6	16
Motor Oil (>C24-C36)	2000	2050		ug/L		103	64 - 120	6	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	102		43 - 119						

Lab Sample ID: 580-69641-3 MS

Matrix: Water

Analysis Batch: 250506

Client Sample ID: MW-2_20170627

Prep Type: Total/NA

Prep Batch: 250398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	1800		2010	3430		ug/L		79	59 - 112		
Motor Oil (>C24-C36)	1100		2010	3060		ug/L		97	64 - 120		
Surrogate	MS %Recovery	MS Qualifier	Limits								
o-Terphenyl	98		43 - 119								

Lab Sample ID: 580-69641-3 MSD

Matrix: Water

Analysis Batch: 250506

Client Sample ID: MW-2_20170627

Prep Type: Total/NA

Prep Batch: 250398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	1800		2020	3590		ug/L		87	59 - 112	4	16
Motor Oil (>C24-C36)	1100		2020	3240		ug/L		106	64 - 120	6	17
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	116		43 - 119								

Lab Sample ID: MB 580-250649/1-A

Matrix: Water

Analysis Batch: 250703

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 250649

Print Date: 08/01/18									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/10/17 08:15	07/10/17 15:15	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 08:15	07/10/17 15:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
o-Terphenyl	72		43 - 119						
							07/10/17 08:15	07/10/17 15:15	

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCS 580-250649/2-A

Matrix: Water

Analysis Batch: 250703

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 250649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2000	1650		ug/L		83	59 - 112
Motor Oil (>C24-C36)	2000	1850		ug/L		93	64 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
o-Terphenyl	86		43 - 119				

Lab Sample ID: LCSD 580-250649/3-A

Matrix: Water

Analysis Batch: 250703

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 250649

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1630		ug/L		81	59 - 112	2	16
Motor Oil (>C24-C36)	2000	1880		ug/L		94	64 - 120	1	17
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-Terphenyl	85		43 - 119						

Lab Sample ID: 580-69641-13 MS

Matrix: Water

Analysis Batch: 250703

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Prep Batch: 250649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	1400		2060	3140		ug/L		83	59 - 112
Motor Oil (>C24-C36)	780	F1	2060	1990	F1	ug/L		59	64 - 120
Surrogate	%Recovery	MS Qualifier	Limits						
o-Terphenyl	80		43 - 119						

Lab Sample ID: 580-69641-13 MSD

Matrix: Water

Analysis Batch: 250703

Client Sample ID: MW-29_20170628

Prep Type: Total/NA

Prep Batch: 250649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	1400		2060	2830		ug/L		68	59 - 112	10	16
Motor Oil (>C24-C36)	780	F1	2060	2090	F1	ug/L		63	64 - 120	5	17
Surrogate	%Recovery	MSD Qualifier	Limits								
o-Terphenyl	82		43 - 119								

Lab Sample ID: 580-69641-20 MS

Matrix: Water

Analysis Batch: 250703

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Prep Batch: 250649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	3600	F2 F1	2020	6890	F1	ug/L		164	59 - 112
Motor Oil (>C24-C36)	ND	F2	2020	2200		ug/L		105	64 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-20 MS

Matrix: Water

Analysis Batch: 250703

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Prep Batch: 250649

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	92		43 - 119

Lab Sample ID: 580-69641-20 MSD

Matrix: Water

Analysis Batch: 250703

Client Sample ID: MW-43_20170628

Prep Type: Total/NA

Prep Batch: 250649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	3600	F2 F1	2030	1410	F1 F2	ug/L		-108	59 - 112	132	16
Motor Oil (>C24-C36)	ND	F2	2030	1620	F2	ug/L		76	64 - 120	30	17
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	75		43 - 119								

Lab Sample ID: MB 580-250699/1-A

Matrix: Water

Analysis Batch: 250756

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 250699

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/10/17 14:07	07/10/17 23:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/10/17 14:07	07/10/17 23:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		43 - 119				07/10/17 14:07	07/10/17 23:52	1

Lab Sample ID: LCS 580-250699/2-A

Matrix: Water

Analysis Batch: 250756

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 250699

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2000	1340		ug/L		67	59 - 112		
Motor Oil (>C24-C36)	2000	1410		ug/L		71	64 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	66		43 - 119						

Lab Sample ID: LCSD 580-250699/3-A

Matrix: Water

Analysis Batch: 250756

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 250699

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1700	*	ug/L		85	59 - 112	24	16
Motor Oil (>C24-C36)	2000	1870	*	ug/L		93	64 - 120	28	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	83		43 - 119						

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: 580-69641-38 MS

Matrix: Water

Analysis Batch: 250756

Client Sample ID: MW-64_20170628

Prep Type: Total/NA

Prep Batch: 250699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2400	F2 *	2030	3740		ug/L		65	59 - 112
Motor Oil (>C24-C36)	ND	F2 *	2030	1720		ug/L		73	64 - 120
Surrogate	%Recovery	MS Qualifier	MS Limits						
o-Terphenyl	71		43 - 119						

Lab Sample ID: 580-69641-38 MSD

Matrix: Water

Analysis Batch: 250756

Client Sample ID: MW-64_20170628

Prep Type: Total/NA

Prep Batch: 250699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2400	F2 *	2060	4630	F2	ug/L		107	59 - 112	21	16
Motor Oil (>C24-C36)	ND	F2 *	2060	2270	F2	ug/L		99	64 - 120	28	17
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
o-Terphenyl	85		43 - 119								

Lab Sample ID: MB 580-250779/1-A

Matrix: Water

Analysis Batch: 250861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 250779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	507		100		ug/L		07/11/17 09:42	07/11/17 18:18	1
Motor Oil (>C24-C36)	1770		250		ug/L		07/11/17 09:42	07/11/17 18:18	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	85		43 - 119				07/11/17 09:42	07/11/17 18:18	1

Lab Sample ID: LCS 580-250779/2-A

Matrix: Water

Analysis Batch: 250861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 250779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2000	2450	*	ug/L		123	59 - 112
Motor Oil (>C24-C36)	2000	4430	*	ug/L		221	64 - 120
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
o-Terphenyl	108		43 - 119				

Lab Sample ID: LCSD 580-250779/3-A

Matrix: Water

Analysis Batch: 250861

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 250779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	2290	*	ug/L		115	59 - 112	7	16
Motor Oil (>C24-C36)	2000	4070	*	ug/L		203	64 - 120	8	17

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

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

Lab Sample ID: LCSD 580-250779/3-A

Matrix: Water

Analysis Batch: 250861

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 250779

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	98		43 - 119

Lab Sample ID: MB 580-250982/1-A

Matrix: Water

Analysis Batch: 251088

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 250982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		07/12/17 14:20	07/13/17 15:42	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/12/17 14:20	07/13/17 15:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		43 - 119				07/12/17 14:20	07/13/17 15:42	1

Lab Sample ID: LCS 580-250982/2-A

Matrix: Water

Analysis Batch: 251088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 250982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2000	1520		ug/L		76	59 - 112
Motor Oil (>C24-C36)	2000	1920		ug/L		96	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	78		43 - 119				

Lab Sample ID: LCSD 580-250982/3-A

Matrix: Water

Analysis Batch: 251088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 250982

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1680		ug/L		84	59 - 112	10	16
Motor Oil (>C24-C36)	2000	2040		ug/L		102	64 - 120	6	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	82		43 - 119						

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: C_20170627

Date Collected: 06/27/17 15:00

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 01:27	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/09/17 20:52	D1R	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/07/17 23:41	TL1	TAL SEA

Client Sample ID: IW-1_20170627

Date Collected: 06/27/17 10:50

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 01:52	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/09/17 21:24	D1R	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/08/17 00:04	TL1	TAL SEA

Client Sample ID: MW-2_20170627

Date Collected: 06/27/17 08:20

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 08:03	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/10/17 01:40	D1R	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/08/17 00:27	TL1	TAL SEA

Client Sample ID: MW-14_20170627

Date Collected: 06/27/17 14:45

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 02:19	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/09/17 21:56	D1R	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/08/17 01:34	TL1	TAL SEA

Client Sample ID: MW-18_20170628

Date Collected: 06/28/17 09:10

Date Received: 06/29/17 13:40

Lab Sample ID: 580-69641-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250886	07/12/17 01:17	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	25	250970	07/12/17 21:41	T1W	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 12:21	IWH	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/08/17 01:56	TL1	TAL SEA

Client Sample ID: MW-19_20170627

Lab Sample ID: 580-69641-6

Date Collected: 06/27/17 16:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 02:46	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	20	250886	07/11/17 21:45	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/09/17 22:28	D1R	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/08/17 02:41	TL1	TAL SEA

Client Sample ID: MW-20_20170627

Lab Sample ID: 580-69641-7

Date Collected: 06/27/17 09:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 03:12	HDK	TAL SEA
Total/NA	Analysis	8260C	RA	1	250886	07/11/17 21:19	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/09/17 23:00	D1R	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/08/17 03:03	TL1	TAL SEA

Client Sample ID: MW-21_20170627

Lab Sample ID: 580-69641-8

Date Collected: 06/27/17 09:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 03:39	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	20	250886	07/11/17 22:12	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/09/17 23:32	D1R	TAL SEA
Total/NA	Prep	3510C			250398	07/06/17 07:58	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250506	07/08/17 03:25	TL1	TAL SEA

Client Sample ID: MW-22_20170628

Lab Sample ID: 580-69641-9

Date Collected: 06/28/17 10:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250886	07/12/17 01:43	W1T	TAL SEA
Total/NA	Analysis	8260C	RA	1	250970	07/12/17 21:14	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 12:53	IWH	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-22_20170628

Lab Sample ID: 580-69641-9

Date Collected: 06/28/17 10:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 16:42	W1T	TAL SEA

Client Sample ID: MW-23_20170628

Lab Sample ID: 580-69641-10

Date Collected: 06/28/17 09:45

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250886	07/12/17 02:10	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 13:25	IWH	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 17:13	W1T	TAL SEA

Client Sample ID: MW-25_20170627

Lab Sample ID: 580-69641-11

Date Collected: 06/27/17 14:45

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 04:05	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	20	250886	07/11/17 22:39	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/10/17 00:04	D1R	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 17:43	W1T	TAL SEA

Client Sample ID: MW-27_20170628

Lab Sample ID: 580-69641-12

Date Collected: 06/28/17 10:25

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250886	07/12/17 02:36	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	10	250970	07/12/17 22:07	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 13:57	IWH	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 18:12	W1T	TAL SEA

Client Sample ID: MW-29_20170628

Lab Sample ID: 580-69641-13

Date Collected: 06/28/17 11:30

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 08:35	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	20	251262	07/15/17 04:04	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 15:33	IWH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 18:42	W1T	TAL SEA

Client Sample ID: MW-31_20170628

Lab Sample ID: 580-69641-14

Date Collected: 06/28/17 11:10

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	250970	07/12/17 22:34	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	250962	07/13/17 14:40	RSB	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 20:44	W1T	TAL SEA

Client Sample ID: MW-32_20170627

Lab Sample ID: 580-69641-15

Date Collected: 06/27/17 15:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 04:32	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	20	250886	07/11/17 23:05	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250625	07/10/17 00:36	D1R	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 21:16	W1T	TAL SEA

Client Sample ID: MW-35_20170628

Lab Sample ID: 580-69641-16

Date Collected: 06/28/17 10:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	250970	07/12/17 23:00	T1W	TAL SEA
Total/NA	Analysis	8260C	DL	500	251465	07/18/17 19:10	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		78	251286	07/15/17 21:54	RSB	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 21:49	W1T	TAL SEA

Client Sample ID: MW-36_20170628

Lab Sample ID: 580-69641-17

Date Collected: 06/28/17 11:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	251229	07/14/17 20:17	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	250	251465	07/18/17 18:45	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		43	251286	07/15/17 22:26	RSB	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 22:21	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-38_20170627

Lab Sample ID: 580-69641-18

Date Collected: 06/27/17 11:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 04:58	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 09:08	IWH	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 22:52	W1T	TAL SEA

Client Sample ID: MW-41_20170628

Lab Sample ID: 580-69641-19

Date Collected: 06/28/17 10:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 05:33	W1T	TAL SEA
Total/NA	Analysis	8260C	RA	1	251229	07/14/17 18:34	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250806	07/12/17 09:08	CJ	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 23:22	W1T	TAL SEA

Client Sample ID: MW-43_20170628

Lab Sample ID: 580-69641-20

Date Collected: 06/28/17 10:40

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 09:02	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	20	251262	07/15/17 03:38	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250806	07/12/17 09:41	CJ	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/10/17 23:52	W1T	TAL SEA

Client Sample ID: MW-44_20170628

Lab Sample ID: 580-69641-21

Date Collected: 06/28/17 11:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 05:59	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	20	251229	07/14/17 20:43	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250806	07/12/17 11:16	CJ	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/11/17 01:20	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-45_20170627

Lab Sample ID: 580-69641-22

Date Collected: 06/27/17 13:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 05:25	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	20	250886	07/11/17 23:31	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 09:40	IWH	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/11/17 02:18	W1T	TAL SEA

Client Sample ID: MW-48_20170627

Lab Sample ID: 580-69641-23

Date Collected: 06/27/17 11:25

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 05:52	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 12:32	RSB	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/11/17 02:47	W1T	TAL SEA

Client Sample ID: MW-49_20170627

Lab Sample ID: 580-69641-24

Date Collected: 06/27/17 10:45

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 06:18	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 13:04	RSB	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/11/17 03:15	W1T	TAL SEA

Client Sample ID: MW-50_20170627

Lab Sample ID: 580-69641-25

Date Collected: 06/27/17 09:40

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 06:44	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 13:36	RSB	TAL SEA
Total/NA	Prep	3510C			250649	07/10/17 08:15	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250703	07/11/17 03:44	W1T	TAL SEA

Client Sample ID: MW-51_20170627

Lab Sample ID: 580-69641-26

Date Collected: 06/27/17 15:30

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 07:11	HDK	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-51_20170627

Lab Sample ID: 580-69641-26

Date Collected: 06/27/17 15:30

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 14:08	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 00:55	W1T	TAL SEA

Client Sample ID: MW-52_20170628

Lab Sample ID: 580-69641-27

Date Collected: 06/28/17 09:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 06:25	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	25	251229	07/14/17 21:09	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250806	07/12/17 11:48	CJ	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 01:16	W1T	TAL SEA

Client Sample ID: MW-53_20170628

Lab Sample ID: 580-69641-28

Date Collected: 06/28/17 12:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	251229	07/14/17 21:34	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	500	251465	07/18/17 19:36	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		43	251286	07/15/17 22:58	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 01:37	W1T	TAL SEA

Client Sample ID: MW-55_20170628

Lab Sample ID: 580-69641-29

Date Collected: 06/28/17 13:55

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 07:17	W1T	TAL SEA
Total/NA	Analysis	8260C	RA	1	251229	07/14/17 19:00	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	251286	07/15/17 23:30	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 01:57	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-56_20170628

Lab Sample ID: 580-69641-30

Date Collected: 06/28/17 13:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 07:43	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	50	251229	07/14/17 22:00	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		33	251286	07/16/17 00:01	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 02:18	W1T	TAL SEA

Client Sample ID: MW-57_20170628

Lab Sample ID: 580-69641-31

Date Collected: 06/28/17 12:10

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251038	07/12/17 08:09	W1T	TAL SEA
Total/NA	Analysis	8260C	RA	1	251229	07/14/17 19:26	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	251286	07/16/17 01:05	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 02:39	W1T	TAL SEA

Client Sample ID: MW-58_20170628

Lab Sample ID: 580-69641-32

Date Collected: 06/28/17 11:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 18:16	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 15:12	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 03:00	W1T	TAL SEA

Client Sample ID: MW-59_20170628

Lab Sample ID: 580-69641-33

Date Collected: 06/28/17 11:30

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 18:42	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 15:44	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 03:41	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-60_20170628

Lab Sample ID: 580-69641-34

Date Collected: 06/28/17 11:15

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 19:08	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 16:47	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 04:02	W1T	TAL SEA

Client Sample ID: MW-61_20170628

Lab Sample ID: 580-69641-35

Date Collected: 06/28/17 16:10

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 19:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 17:20	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 04:22	W1T	TAL SEA

Client Sample ID: MW-62_20170628

Lab Sample ID: 580-69641-36

Date Collected: 06/28/17 15:40

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 20:00	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 17:51	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 04:43	W1T	TAL SEA

Client Sample ID: MW-63_20170628

Lab Sample ID: 580-69641-37

Date Collected: 06/28/17 15:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 20:26	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 18:24	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 05:04	W1T	TAL SEA

Client Sample ID: MW-64_20170628

Lab Sample ID: 580-69641-38

Date Collected: 06/28/17 09:10

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/12/17 00:47	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 18:56	RSB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-64_20170628

Lab Sample ID: 580-69641-38

Date Collected: 06/28/17 09:10

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 05:24	W1T	TAL SEA

Client Sample ID: MW-65_20170627

Lab Sample ID: 580-69641-39

Date Collected: 06/27/17 15:45

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250759	07/11/17 07:37	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	50	250886	07/12/17 00:50	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 10:12	IWH	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 06:26	W1T	TAL SEA

Client Sample ID: MW-66_20170627

Lab Sample ID: 580-69641-40

Date Collected: 06/27/17 15:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	20	250886	07/11/17 23:58	W1T	TAL SEA
Total/NA	Analysis	8260C		1	250744	07/11/17 03:38	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 11:16	IWH	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 06:47	W1T	TAL SEA

Client Sample ID: MW-67_20170628

Lab Sample ID: 580-69641-41

Date Collected: 06/28/17 15:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 20:52	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	20	251262	07/15/17 02:21	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 20:32	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 07:28	W1T	TAL SEA

Client Sample ID: MW-68_20170628

Lab Sample ID: 580-69641-42

Date Collected: 06/28/17 15:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 21:19	HDK	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: MW-68_20170628

Lab Sample ID: 580-69641-42

Date Collected: 06/28/17 15:20

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 21:04	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 07:49	W1T	TAL SEA

Client Sample ID: MW-69_20170628

Lab Sample ID: 580-69641-43

Date Collected: 06/28/17 15:35

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 21:44	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 22:08	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 08:10	W1T	TAL SEA

Client Sample ID: MW-70_20170628

Lab Sample ID: 580-69641-44

Date Collected: 06/28/17 15:55

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 22:09	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 22:40	RSB	TAL SEA
Total/NA	Prep	3510C			250699	07/10/17 14:07	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250756	07/11/17 08:30	W1T	TAL SEA

Client Sample ID: MW-71_20170628

Lab Sample ID: 580-69641-45

Date Collected: 06/28/17 08:50

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 22:36	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 23:12	RSB	TAL SEA
Total/NA	Prep	3510C			250982	07/12/17 14:20	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	251088	07/13/17 17:11	CJ	TAL SEA

Client Sample ID: AG-WELL_20170628

Lab Sample ID: 580-69641-46

Date Collected: 06/28/17 12:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 23:02	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/13/17 23:44	RSB	TAL SEA
Total/NA	Prep	3510C			250982	07/12/17 14:20	MRG	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: AG-WELL_20170628

Lab Sample ID: 580-69641-46

Date Collected: 06/28/17 12:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	251088	07/13/17 17:41	CJ	TAL SEA

Client Sample ID: Dup-1_20170627

Lab Sample ID: 580-69641-47

Date Collected: 06/27/17 06:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	20	250886	07/12/17 00:24	W1T	TAL SEA
Total/NA	Analysis	8260C		1	250744	07/11/17 04:04	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 11:49	IWH	TAL SEA
Total/NA	Prep	3510C			250779	07/11/17 09:42	DSO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	250861	07/11/17 20:12	CJ	TAL SEA
Total/NA	Prep	3510C	RE		250982	07/12/17 14:20	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx	RE	1	251088	07/13/17 18:11	CJ	TAL SEA

Client Sample ID: Dup-2_20170628

Lab Sample ID: 580-69641-48

Date Collected: 06/28/17 06:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 23:28	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	20	251262	07/15/17 02:47	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250962	07/14/17 00:16	RSB	TAL SEA
Total/NA	Prep	3510C			250982	07/12/17 14:20	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	251088	07/13/17 18:39	CJ	TAL SEA

Client Sample ID: Dup-3_20170628

Lab Sample ID: 580-69641-49

Date Collected: 06/28/17 06:00

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	251032	07/11/17 23:54	HDK	TAL SEA
Total/NA	Analysis	8260C	DL	50	251262	07/15/17 03:12	W1T	TAL SEA
Total/NA	Analysis	8260C	DL2	500	251465	07/18/17 20:02	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	250962	07/14/17 00:48	RSB	TAL SEA
Total/NA	Prep	3510C			250982	07/12/17 14:20	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	251088	07/13/17 19:09	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Dup-4_20170628

Lab Sample ID: 580-69641-50

Date Collected: 06/28/17 06:30

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	251032	07/12/17 00:21	HDK	TAL SEA
Total/NA	Analysis	8260C		1	251229	07/14/17 19:52	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	251286	07/16/17 01:37	RSB	TAL SEA
Total/NA	Prep	3510C			250982	07/12/17 14:20	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	251088	07/13/17 19:38	CJ	TAL SEA

Client Sample ID: Trip Blank-1

Lab Sample ID: 580-69641-51

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250744	07/11/17 01:28	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 06:28	IWH	TAL SEA

Client Sample ID: Trip Blank-2

Lab Sample ID: 580-69641-52

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250744	07/11/17 01:55	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 07:00	IWH	TAL SEA

Client Sample ID: Trip Blank-3

Lab Sample ID: 580-69641-53

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250744	07/11/17 02:21	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 07:32	IWH	TAL SEA

Client Sample ID: Trip Blank-4

Lab Sample ID: 580-69641-54

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250744	07/11/17 02:47	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 08:04	IWH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Client Sample ID: Trip Blank-5

Lab Sample ID: 580-69641-55

Date Collected: 06/27/17 00:01

Matrix: Water

Date Received: 06/29/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	250744	07/11/17 03:13	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	250633	07/10/17 08:36	IWH	TAL SEA

Laboratory References:

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

Accreditation/Certification Summary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C553	02-17-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Xylenes, Total

Sample Summary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-69641-1	C_20170627	Water	06/27/17 15:00	06/29/17 13:40
580-69641-2	IW-1_20170627	Water	06/27/17 10:50	06/29/17 13:40
580-69641-3	MW-2_20170627	Water	06/27/17 08:20	06/29/17 13:40
580-69641-4	MW-14_20170627	Water	06/27/17 14:45	06/29/17 13:40
580-69641-5	MW-18_20170628	Water	06/28/17 09:10	06/29/17 13:40
580-69641-6	MW-19_20170627	Water	06/27/17 16:00	06/29/17 13:40
580-69641-7	MW-20_20170627	Water	06/27/17 09:20	06/29/17 13:40
580-69641-8	MW-21_20170627	Water	06/27/17 09:00	06/29/17 13:40
580-69641-9	MW-22_20170628	Water	06/28/17 10:00	06/29/17 13:40
580-69641-10	MW-23_20170628	Water	06/28/17 09:45	06/29/17 13:40
580-69641-11	MW-25_20170627	Water	06/27/17 14:45	06/29/17 13:40
580-69641-12	MW-27_20170628	Water	06/28/17 10:25	06/29/17 13:40
580-69641-13	MW-29_20170628	Water	06/28/17 11:30	06/29/17 13:40
580-69641-14	MW-31_20170628	Water	06/28/17 11:10	06/29/17 13:40
580-69641-15	MW-32_20170627	Water	06/27/17 15:50	06/29/17 13:40
580-69641-16	MW-35_20170628	Water	06/28/17 10:50	06/29/17 13:40
580-69641-17	MW-36_20170628	Water	06/28/17 11:50	06/29/17 13:40
580-69641-18	MW-38_20170627	Water	06/27/17 11:50	06/29/17 13:40
580-69641-19	MW-41_20170628	Water	06/28/17 10:20	06/29/17 13:40
580-69641-20	MW-43_20170628	Water	06/28/17 10:40	06/29/17 13:40
580-69641-21	MW-44_20170628	Water	06/28/17 11:00	06/29/17 13:40
580-69641-22	MW-45_20170627	Water	06/27/17 13:20	06/29/17 13:40
580-69641-23	MW-48_20170627	Water	06/27/17 11:25	06/29/17 13:40
580-69641-24	MW-49_20170627	Water	06/27/17 10:45	06/29/17 13:40
580-69641-25	MW-50_20170627	Water	06/27/17 09:40	06/29/17 13:40
580-69641-26	MW-51_20170627	Water	06/27/17 15:30	06/29/17 13:40
580-69641-27	MW-52_20170628	Water	06/28/17 09:50	06/29/17 13:40
580-69641-28	MW-53_20170628	Water	06/28/17 12:20	06/29/17 13:40
580-69641-29	MW-55_20170628	Water	06/28/17 13:55	06/29/17 13:40
580-69641-30	MW-56_20170628	Water	06/28/17 13:50	06/29/17 13:40
580-69641-31	MW-57_20170628	Water	06/28/17 12:10	06/29/17 13:40
580-69641-32	MW-58_20170628	Water	06/28/17 11:50	06/29/17 13:40
580-69641-33	MW-59_20170628	Water	06/28/17 11:30	06/29/17 13:40
580-69641-34	MW-60_20170628	Water	06/28/17 11:15	06/29/17 13:40
580-69641-35	MW-61_20170628	Water	06/28/17 16:10	06/29/17 13:40
580-69641-36	MW-62_20170628	Water	06/28/17 15:40	06/29/17 13:40
580-69641-37	MW-63_20170628	Water	06/28/17 15:20	06/29/17 13:40
580-69641-38	MW-64_20170628	Water	06/28/17 09:10	06/29/17 13:40
580-69641-39	MW-65_20170627	Water	06/27/17 15:45	06/29/17 13:40
580-69641-40	MW-66_20170627	Water	06/27/17 15:20	06/29/17 13:40
580-69641-41	MW-67_20170628	Water	06/28/17 15:00	06/29/17 13:40
580-69641-42	MW-68_20170628	Water	06/28/17 15:20	06/29/17 13:40
580-69641-43	MW-69_20170628	Water	06/28/17 15:35	06/29/17 13:40
580-69641-44	MW-70_20170628	Water	06/28/17 15:55	06/29/17 13:40
580-69641-45	MW-71_20170628	Water	06/28/17 08:50	06/29/17 13:40
580-69641-46	AG-WELL_20170628	Water	06/28/17 12:00	06/29/17 13:40
580-69641-47	Dup-1_20170627	Water	06/27/17 06:00	06/29/17 13:40
580-69641-48	Dup-2_20170628	Water	06/28/17 06:00	06/29/17 13:40
580-69641-49	Dup-3_20170628	Water	06/28/17 06:00	06/29/17 13:40
580-69641-50	Dup-4_20170628	Water	06/28/17 06:30	06/29/17 13:40
580-69641-51	Trip Blank-1	Water	06/27/17 00:01	06/29/17 13:40
580-69641-52	Trip Blank-2	Water	06/27/17 00:01	06/29/17 13:40
580-69641-53	Trip Blank-3	Water	06/27/17 00:01	06/29/17 13:40

TestAmerica Seattle

Sample Summary

Client: Antea USA, Inc.
Project/Site: OPLC - Allen Station

TestAmerica Job ID: 580-69641-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-69641-54	Trip Blank-4	Water	06/27/17 00:01	06/29/17 13:40
580-69641-55	Trip Blank-5	Water	06/27/17 00:01	06/29/17 13:40

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Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company

Req Due Date (mm/dd/yy): Standard Rush TAT: Yes No

BP/ARC Facility No: Allen Station

Lab Work Order Number: 69641

Lab Name: <u>Test America</u>	BP/ARC Facility Address: <u>16292 Ovenell Road</u>	Consultant/Contractor: <u>Antea Group</u>
Lab Address: <u>Tacoma, WA</u>	City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>	Consultant/Contractor Project No: <u>WAALLAA171.10123</u>
Lab PM: <u>Elaine Walker</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.248.4972</u>	California Global ID No.: <u>NA</u>	Consultant/Contractor PM: <u>Megan Richard</u>
Lab Shipping Acct: <u>NA</u>	Enfos Proposal No: <u>WR313781/ 00BHW-0006</u>	Phone: <u>P: 425.498.7711 F: 425.869.1892</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>	Email EDD To: <u>Megan.Richard@anteagroup.com</u>
Other Info: <u>elaine.walker@testamericainc.com</u>	Stage: <u>APPRAISE (10)</u> Activity: <u>INTERIM MEASURES (123)</u>	Invoice To: <u>BP/ARC X</u> Contractor <u> </u>

BP/ARC EBM:				Matrix			No. Containers / Preservative							Requested Analyses										Report Type & QC Level			
EBM Phone:																								Standard <u>Y</u>			
EBM Email:																								Full Data Package <u> </u>			
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-Gx	NWTPH-DX											Comments Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.
-1	C_201706 27	6/27/2017	1500	X			8				8			X	X	X											
	IW-1_201706 27	6/27/2017	1050	X			8				8			X	X	X											
-3	MW-2_201706 27	6/27/2017	0820	X			24				24			X	X	X											MS/MSD Taken
	MW-14_201706 27	6/27/2017	1445	X			8				8			X	X	X											
	MW-17A_201706	6/27/2017		X										X	X	X											NO SAMPLE - KD
-5	MW-18_201706 28	6/28/2017	0910	X			8				8			X	X	X											
	MW-19_201706 27	6/27/2017	1600	X			8				8			X	X	X											
-7	MW-20_201706 27	6/27/2017	0920	X			8				8			X	X	X											
	MW-21_201706 27	6/27/2017	0900	X			8				8			X	X	X											
-9	MW-22_201706 28	6/28/2017	1000	X			8				8			X	X	X											



580-69641 Chain of Custody

Sampler's Name: <u>Kenneth Davis</u>		Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: <u>Antea Group</u>		<u>KD Antea Group</u>		<u>6/29/17</u>	<u>1340</u>	<u>BB / T.H.S.F.H</u>		<u>6/29/17</u>	<u>1340</u>
Shipment Method: <u> </u> Ship Date: <u> </u>									
Shipment Tracking No: <u> </u>									

Special Instructions:

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

TB A2 Cooler Cor 3.2 Unc 4.0
Cooler Dsc 15 Blac @Lab 1554
Wet/Packs Packing Babb14
w/o

TB Cooler 185 Cor 2.3 Unc 2.2
Cooler Dsc 15 Blac @Lab 1554
Wet/Packs Packing Babb14
w/o

TB A2 Cooler Cor 0.1 Unc 0.1
Cooler Dsc 15 Blac @Lab 1554
Wet/Packs Packing Babb14

TB d2 Cooler Cor 2.7 Unc 3.5
Cooler Dsc 15 Blac @Lab 1554
Wet/Packs Packing Babb14
w/o

TB A2 Cooler Cor 0.1 Unc 0.0
Cooler Dsc 15 Blac @Lab 1554
Wet/Packs Packing Babb14

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-69641-1

Login Number: 69641

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 580-71703-1

Client Project/Site: BP - OPLC - Allen Station
Sampling Event: Allen Station Waters

For:

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

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
10/12/2017 12:11:08 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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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The results listed in this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BP LaMP Technical Specification, applicable federal, state and local regulation and certification requirements as well as the methodologies as described in the laboratory SOPs reviewed by the BP LaMP. This Laboratory report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.

M. Elaine Walker

Elaine Walker
Project Manager II
10/12/2017 12:11:08 PM

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Case Narrative

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Job ID: 580-71703-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-71703-1

Receipt

Fifty-one samples were received on 9/29/2017 2:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 8 coolers at receipt time were 0.5° C, 1.5° C, 1.7° C, 1.9° C, 2.2° C, 2.4° C, 2.4° C and 2.9° C.

Receipt Exceptions

One or more containers for the following samples was received broken or leaking: MW-27_20170928 (580-71703-9). Sufficient volume remains for analysis.

GC/MS VOA

Method(s) 8260C: The following samples was diluted due to the nature of the sample matrix: MW-19_20170927 (580-71703-3), MW-21_20170926 (580-71703-5), MW-25_20170926 (580-71703-8), MW-32_20170928 (580-71703-12), MW-43_20170927 (580-71703-16), MW-44_20170927 (580-71703-17), MW-52_20170928 (580-71703-23), MW-56_20170927 (580-71703-26), MW-65_20170927 (580-71703-35), MW-66_20170927 (580-71703-36) and Dup-4 (580-71703-51). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatile sample was analyzed with significant headspace in the sample Container(s): MW-45_20170926 (580-71703-18). Significant headspace is defined as a bubble greater than 6 mm in diameter.

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

GC VOA

Method(s) NWTPH-Gx: Surrogate recovery for the following samples was outside control limits: MW-27_20170928 (580-71703-9), MW-27_20170928 (580-71703-9[MSJ]), MW-27_20170928 (580-71703-9[MSD]), MW-44_20170927 (580-71703-17), MW-44_20170927 (580-71703-17[MSJ]) and MW-44_20170927 (580-71703-17[MSD]). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The matrix spikeduplicate (MSD) recoverie for analytical batch 490-465203 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the MS and associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) recoveries was within acceptance limits.

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

GC Semi VOA

Method(s) NWTPH-Dx: The Diesel Range Organics (C10-C24) concentration reported for the following samples is due to the presence of discrete peaks: IW-1_20170926 (580-71703-1) and AG-WELL_20170927 (580-71703-42).

Method(s) NWTPH-Dx: The following sample 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-18_20170926 (580-71703-2), MW-19_20170927 (580-71703-3), MW-20_20170926 (580-71703-4), MW-21_20170926 (580-71703-5), MW-22_20170927 (580-71703-6), MW-25_20170926 (580-71703-8), MW-27_20170928 (580-71703-9), MW-29_20170928 (580-71703-10), MW-31_20170928 (580-71703-11), MW-32_20170928 (580-71703-12), MW-35_20170928 (580-71703-13), MW-38_20170926 (580-71703-14), MW-43_20170927 (580-71703-16), MW-44_20170927 (580-71703-17), MW-45_20170926 (580-71703-18), MW-52_20170928 (580-71703-23), MW-53_20170928 (580-71703-24), MW-56_20170927 (580-71703-26)MW-57_20170926 (580-71703-27), MW-65_20170927 (580-71703-35), MW-66_20170927 (580-71703-36), MW-67_20170927 (580-71703-37) and Dup-4 (580-71703-51).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-20_20170926 (580-71703-4), MW-71_20170927 (580-71703-41).

Method(s) NWTPH-Dx: The matrix spike (MS) recoveries for preparation batch 580-258124 and analytical batch 580-258173 were outside control limits for #2 Diesel (C10-C24). The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 580-258124

Case Narrative

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Job ID: 580-71703-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

and analytical batch 580-258173 was outside control limits for #2 Diesel (C10-C24) and Motor Oil (>C24-C36). Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

Definitions/Glossary

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: IW-1_20170926

Date Collected: 09/26/17 11:00

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 06:25	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 06:25	1
Toluene	ND		2.0		ug/L			10/05/17 06:25	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		10/05/17 06:25	1
4-Bromofluorobenzene (Surr)	92		70 - 130		10/05/17 06:25	1
Dibromofluoromethane (Surr)	102		70 - 130		10/05/17 06:25	1
Toluene-d8 (Surr)	100		70 - 130		10/05/17 06:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 17:30	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		50 - 150		10/04/17 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 11:21	10/05/17 08:44	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 11:21	10/05/17 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		43 - 119	10/04/17 11:21	10/05/17 08:44	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-18_20170926

Lab Sample ID: 580-71703-2

Date Collected: 09/26/17 12:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	670		20		ug/L			10/04/17 03:24	10
Ethylbenzene	1100		30		ug/L			10/04/17 03:24	10
Toluene	27		20		ug/L			10/04/17 03:24	10
Xylenes, Total	960		30		ug/L			10/04/17 03:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		10/04/17 03:24	10
4-Bromofluorobenzene (Surr)	101		70 - 130		10/04/17 03:24	10
Dibromofluoromethane (Surr)	90		70 - 130		10/04/17 03:24	10
Toluene-d8 (Surr)	91		70 - 130		10/04/17 03:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	24000		13000		ug/L			10/05/17 22:29	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150		10/05/17 22:29	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4000		100		ug/L		10/04/17 11:21	10/05/17 09:06	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 11:21	10/05/17 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		43 - 119	10/04/17 11:21	10/05/17 09:06	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-19_20170927

Lab Sample ID: 580-71703-3

Date Collected: 09/27/17 14:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	520		20		ug/L			10/04/17 02:58	10
Ethylbenzene	750		30		ug/L			10/04/17 02:58	10
Toluene	ND		20		ug/L			10/04/17 02:58	10
Xylenes, Total	36		30		ug/L			10/04/17 02:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		10/04/17 02:58	10
4-Bromofluorobenzene (Surr)	101		70 - 130		10/04/17 02:58	10
Dibromofluoromethane (Surr)	102		70 - 130		10/04/17 02:58	10
Toluene-d8 (Surr)	83		70 - 130		10/04/17 02:58	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	12000		5000		ug/L			10/05/17 19:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		50 - 150		10/05/17 19:55	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3500		100		ug/L		10/04/17 11:21	10/05/17 09:28	1
Motor Oil (>C24-C36)	ND		260		ug/L		10/04/17 11:21	10/05/17 09:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		43 - 119	10/04/17 11:21	10/05/17 09:28	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-20_20170926

Lab Sample ID: 580-71703-4

Date Collected: 09/26/17 09:55

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		2.0		ug/L			10/04/17 01:12	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 01:12	1
Toluene	ND		2.0		ug/L			10/04/17 01:12	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/04/17 01:12	1
4-Bromofluorobenzene (Surr)	101		70 - 130		10/04/17 01:12	1
Dibromofluoromethane (Surr)	101		70 - 130		10/04/17 01:12	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	860		500		ug/L			10/05/17 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	90		50 - 150		10/05/17 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	600		100		ug/L		10/04/17 11:21	10/05/17 09:50	1
Motor Oil (>C24-C36)	370		260		ug/L		10/04/17 11:21	10/05/17 09:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	57		43 - 119	10/04/17 11:21	10/05/17 09:50	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-21_20170926

Lab Sample ID: 580-71703-5

Date Collected: 09/26/17 09:30

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	35		10		ug/L			10/04/17 02:05	5
Ethylbenzene	210		15		ug/L			10/04/17 02:05	5
Toluene	ND		10		ug/L			10/04/17 02:05	5
Xylenes, Total	50		15		ug/L			10/04/17 02:05	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		10/04/17 02:05	5
4-Bromofluorobenzene (Surr)	82		70 - 130		10/04/17 02:05	5
Dibromofluoromethane (Surr)	121		70 - 130		10/04/17 02:05	5
Toluene-d8 (Surr)	98		70 - 130		10/04/17 02:05	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	12000		5000		ug/L			10/05/17 20:26	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	93		50 - 150		10/05/17 20:26	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	9200		100		ug/L		10/04/17 11:21	10/05/17 10:33	1
Motor Oil (>C24-C36)	1200		250		ug/L		10/04/17 11:21	10/05/17 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		43 - 119	10/04/17 11:21	10/05/17 10:33	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-22_20170927

Lab Sample ID: 580-71703-6

Date Collected: 09/27/17 10:30

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 06:51	1
Ethylbenzene	6.1		3.0		ug/L			10/05/17 06:51	1
Toluene	ND		2.0		ug/L			10/05/17 06:51	1
Xylenes, Total	6.8		3.0		ug/L			10/05/17 06:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130		10/05/17 06:51	1
4-Bromofluorobenzene (Surr)	90		70 - 130		10/05/17 06:51	1
Dibromofluoromethane (Surr)	104		70 - 130		10/05/17 06:51	1
Toluene-d8 (Surr)	102		70 - 130		10/05/17 06:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	2400		500		ug/L			10/04/17 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	100		50 - 150		10/04/17 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4500		100		ug/L		10/04/17 11:21	10/05/17 10:55	1
Motor Oil (>C24-C36)	1100		250		ug/L		10/04/17 11:21	10/05/17 10:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		43 - 119	10/04/17 11:21	10/05/17 10:55	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-23_20170927

Date Collected: 09/27/17 09:30

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/03/17 22:34	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 22:34	1
Toluene	ND		2.0		ug/L			10/03/17 22:34	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/03/17 22:34	1
4-Bromofluorobenzene (Surr)	103		70 - 130		10/03/17 22:34	1
Dibromofluoromethane (Surr)	93		70 - 130		10/03/17 22:34	1
Toluene-d8 (Surr)	99		70 - 130		10/03/17 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	750		500		ug/L			10/04/17 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	95		50 - 150		10/04/17 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3600		100		ug/L		10/04/17 11:21	10/05/17 11:17	1
Motor Oil (>C24-C36)	560		250		ug/L		10/04/17 11:21	10/05/17 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		43 - 119	10/04/17 11:21	10/05/17 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-25_20170926

Lab Sample ID: 580-71703-8

Date Collected: 09/26/17 11:25

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	270		10		ug/L			10/05/17 07:45	5
Ethylbenzene	150		15		ug/L			10/05/17 07:45	5
Toluene	ND		10		ug/L			10/05/17 07:45	5
Xylenes, Total	ND		15		ug/L			10/05/17 07:45	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		10/05/17 07:45	5
4-Bromofluorobenzene (Surr)	93		70 - 130		10/05/17 07:45	5
Dibromofluoromethane (Surr)	103		70 - 130		10/05/17 07:45	5
Toluene-d8 (Surr)	102		70 - 130		10/05/17 07:45	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	5900		500		ug/L			10/04/17 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150		10/04/17 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2500		100		ug/L		10/04/17 11:21	10/05/17 12:24	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 11:21	10/05/17 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		43 - 119	10/04/17 11:21	10/05/17 12:24	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-27_20170928

Lab Sample ID: 580-71703-9

Date Collected: 09/28/17 09:50

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.2		2.0		ug/L			10/05/17 07:18	1
Ethylbenzene	310		15		ug/L			10/05/17 16:37	5
Toluene	ND		2.0		ug/L			10/05/17 07:18	1
Xylenes, Total	8.8		3.0		ug/L			10/05/17 07:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		10/05/17 07:18	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/05/17 16:37	5
4-Bromofluorobenzene (Surr)	94		70 - 130		10/05/17 07:18	1
4-Bromofluorobenzene (Surr)	91		70 - 130		10/05/17 16:37	5
Dibromofluoromethane (Surr)	103		70 - 130		10/05/17 07:18	1
Dibromofluoromethane (Surr)	105		70 - 130		10/05/17 16:37	5
Toluene-d8 (Surr)	105		70 - 130		10/05/17 07:18	1
Toluene-d8 (Surr)	101		70 - 130		10/05/17 16:37	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	9900		5000		ug/L			10/05/17 14:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	87		50 - 150		10/05/17 14:01	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2600	F2 F1	100		ug/L		10/05/17 08:52	10/06/17 05:32	1
Motor Oil (>C24-C36)	ND	F2	250		ug/L		10/05/17 08:52	10/06/17 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		43 - 119	10/05/17 08:52	10/06/17 05:32	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-29_20170928

Lab Sample ID: 580-71703-10

Date Collected: 09/28/17 10:05

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	580		10		ug/L			10/05/17 08:12	5
Ethylbenzene	110		15		ug/L			10/05/17 08:12	5
Toluene	40		10		ug/L			10/05/17 08:12	5
Xylenes, Total	620		15		ug/L			10/05/17 08:12	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/05/17 08:12	5
4-Bromofluorobenzene (Surr)	93		70 - 130		10/05/17 08:12	5
Dibromofluoromethane (Surr)	103		70 - 130		10/05/17 08:12	5
Toluene-d8 (Surr)	102		70 - 130		10/05/17 08:12	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	9800		5000		ug/L			10/05/17 14:31	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	95		50 - 150		10/05/17 14:31	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800		100		ug/L		10/04/17 11:21	10/05/17 12:46	1
Motor Oil (>C24-C36)	ND		260		ug/L		10/04/17 11:21	10/05/17 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		43 - 119	10/04/17 11:21	10/05/17 12:46	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-31_20170928

Lab Sample ID: 580-71703-11

Date Collected: 09/28/17 09:45

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2900		100		ug/L			10/05/17 08:38	50
Ethylbenzene	2600		150		ug/L			10/05/17 08:38	50
Toluene	530		100		ug/L			10/05/17 08:38	50
Xylenes, Total	11000		150		ug/L			10/05/17 08:38	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/05/17 08:38	50
4-Bromofluorobenzene (Surr)	92		70 - 130		10/05/17 08:38	50
Dibromofluoromethane (Surr)	102		70 - 130		10/05/17 08:38	50
Toluene-d8 (Surr)	99		70 - 130		10/05/17 08:38	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	66000		25000		ug/L			10/05/17 16:31	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		10/05/17 16:31	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3300		100		ug/L		10/05/17 08:52	10/06/17 06:55	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		43 - 119	10/05/17 08:52	10/06/17 06:55	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-32_20170928

Lab Sample ID: 580-71703-12

Date Collected: 09/28/17 10:10

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	32		10		ug/L			10/05/17 09:05	5
Ethylbenzene	880		15		ug/L			10/05/17 09:05	5
Toluene	ND		10		ug/L			10/05/17 09:05	5
Xylenes, Total	ND		15		ug/L			10/05/17 09:05	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		10/05/17 09:05	5
4-Bromofluorobenzene (Surr)	92		70 - 130		10/05/17 09:05	5
Dibromofluoromethane (Surr)	101		70 - 130		10/05/17 09:05	5
Toluene-d8 (Surr)	99		70 - 130		10/05/17 09:05	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	11000		5000		ug/L			10/05/17 15:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	70		50 - 150		10/05/17 15:01	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2200		100		ug/L		10/05/17 08:52	10/06/17 07:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 07:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119	10/05/17 08:52	10/06/17 07:22	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-35_20170928

Lab Sample ID: 580-71703-13

Date Collected: 09/28/17 09:25

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11000		200		ug/L			10/05/17 09:32	100
Ethylbenzene	2100		300		ug/L			10/05/17 09:32	100
Toluene	1000		200		ug/L			10/05/17 09:32	100
Xylenes, Total	7600		300		ug/L			10/05/17 09:32	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		10/05/17 09:32	100
4-Bromofluorobenzene (Surr)	93		70 - 130		10/05/17 09:32	100
Dibromofluoromethane (Surr)	101		70 - 130		10/05/17 09:32	100
Toluene-d8 (Surr)	100		70 - 130		10/05/17 09:32	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	69000		25000		ug/L			10/05/17 17:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	100		50 - 150		10/05/17 17:00	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3700		100		ug/L		10/05/17 08:52	10/06/17 07:49	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 07:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119	10/05/17 08:52	10/06/17 07:49	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-38_20170926

Lab Sample ID: 580-71703-14

Date Collected: 09/26/17 11:10

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10		2.0		ug/L			10/03/17 23:01	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 23:01	1
Toluene	ND		2.0		ug/L			10/03/17 23:01	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 23:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130					10/03/17 23:01	1
4-Bromofluorobenzene (Surr)	102		70 - 130					10/03/17 23:01	1
Dibromofluoromethane (Surr)	107		70 - 130					10/03/17 23:01	1
Toluene-d8 (Surr)	99		70 - 130					10/03/17 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L			10/05/17 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	90		50 - 150					10/05/17 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	180		100		ug/L		10/04/17 14:31	10/05/17 19:50	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	63		43 - 119				10/04/17 14:31	10/05/17 19:50	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-41_20170927

Lab Sample ID: 580-71703-15

Date Collected: 09/27/17 11:30

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 05:58	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 05:58	1
Toluene	ND		2.0		ug/L			10/05/17 05:58	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 130		10/05/17 05:58	1
4-Bromofluorobenzene (Surr)	95		70 - 130		10/05/17 05:58	1
Dibromofluoromethane (Surr)	102		70 - 130		10/05/17 05:58	1
Toluene-d8 (Surr)	101		70 - 130		10/05/17 05:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 03:25	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	96		50 - 150		10/05/17 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/05/17 08:52	10/06/17 08:17	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 08:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		43 - 119	10/05/17 08:52	10/06/17 08:17	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-43_20170927

Lab Sample ID: 580-71703-16

Date Collected: 09/27/17 11:15

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/L			10/05/17 09:58	10
Ethylbenzene	390		30		ug/L			10/05/17 09:58	10
Toluene	ND		20		ug/L			10/05/17 09:58	10
Xylenes, Total	1100		30		ug/L			10/05/17 09:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		10/05/17 09:58	10
4-Bromofluorobenzene (Surr)	94		70 - 130		10/05/17 09:58	10
Dibromofluoromethane (Surr)	100		70 - 130		10/05/17 09:58	10
Toluene-d8 (Surr)	101		70 - 130		10/05/17 09:58	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	25000		13000		ug/L			10/05/17 16:01	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	96		50 - 150		10/05/17 16:01	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4300		100		ug/L		10/05/17 08:52	10/06/17 09:14	1
Motor Oil (>C24-C36)	ND		260		ug/L		10/05/17 08:52	10/06/17 09:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		43 - 119	10/05/17 08:52	10/06/17 09:14	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-44_20170927

Lab Sample ID: 580-71703-17

Date Collected: 09/27/17 10:45

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	76		10		ug/L			10/05/17 10:25	5
Ethylbenzene	550		15		ug/L			10/05/17 10:25	5
Toluene	ND		10		ug/L			10/05/17 10:25	5
Xylenes, Total	19		15		ug/L			10/05/17 10:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		10/05/17 10:25	5
4-Bromofluorobenzene (Surr)	91		70 - 130		10/05/17 10:25	5
Dibromofluoromethane (Surr)	102		70 - 130		10/05/17 10:25	5
Toluene-d8 (Surr)	102		70 - 130		10/05/17 10:25	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	8900		5000		ug/L			10/05/17 15:31	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150		10/05/17 15:31	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1300		100		ug/L		10/05/17 08:52	10/06/17 09:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 09:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		43 - 119	10/05/17 08:52	10/06/17 09:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-45_20170926

Lab Sample ID: 580-71703-18

Date Collected: 09/26/17 11:40

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13		2.0		ug/L			10/05/17 16:10	1
Ethylbenzene	160		3.0		ug/L			10/05/17 16:10	1
Toluene	2.2		2.0		ug/L			10/05/17 16:10	1
Xylenes, Total	7.0		3.0		ug/L			10/05/17 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		10/05/17 16:10	1
4-Bromofluorobenzene (Surr)	90		70 - 130		10/05/17 16:10	1
Dibromofluoromethane (Surr)	101		70 - 130		10/05/17 16:10	1
Toluene-d8 (Surr)	99		70 - 130		10/05/17 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	6000		2500		ug/L			10/05/17 13:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	86		50 - 150		10/05/17 13:31	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1200		100		ug/L		10/04/17 14:31	10/05/17 20:17	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		43 - 119	10/04/17 14:31	10/05/17 20:17	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-48_20170926

Lab Sample ID: 580-71703-19

Date Collected: 09/26/17 10:50

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 04:38	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 04:38	1
Toluene	ND		2.0		ug/L			10/05/17 04:38	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 130		10/05/17 04:38	1
4-Bromofluorobenzene (Surr)	94		70 - 130		10/05/17 04:38	1
Dibromofluoromethane (Surr)	104		70 - 130		10/05/17 04:38	1
Toluene-d8 (Surr)	100		70 - 130		10/05/17 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 04:55	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	101		50 - 150		10/05/17 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/05/17 20:45	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	58		43 - 119	10/04/17 14:31	10/05/17 20:45	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-49_20170926

Lab Sample ID: 580-71703-20

Date Collected: 09/26/17 10:30

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/03/17 23:27	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 23:27	1
Toluene	ND		2.0		ug/L			10/03/17 23:27	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		10/03/17 23:27	1
4-Bromofluorobenzene (Surr)	99		70 - 130		10/03/17 23:27	1
Dibromofluoromethane (Surr)	101		70 - 130		10/03/17 23:27	1
Toluene-d8 (Surr)	100		70 - 130		10/03/17 23:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 17:51	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150		10/04/17 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/05/17 21:13	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	57		43 - 119	10/04/17 14:31	10/05/17 21:13	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-50_20170926

Lab Sample ID: 580-71703-21

Date Collected: 09/26/17 10:10

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 03:38	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 03:38	1
Toluene	ND		2.0		ug/L			10/04/17 03:38	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		10/04/17 03:38	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/04/17 03:38	1
Dibromofluoromethane (Surr)	104		70 - 130		10/04/17 03:38	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 20:56	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	95		50 - 150		10/04/17 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/05/17 21:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	60		43 - 119	10/04/17 14:31	10/05/17 21:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-51_20170928

Lab Sample ID: 580-71703-22

Date Collected: 09/28/17 10:25

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 04:05	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 04:05	1
Toluene	ND		2.0		ug/L			10/04/17 04:05	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 04:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		10/04/17 04:05	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/04/17 04:05	1
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 04:05	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 21:26	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150		10/04/17 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/05/17 08:52	10/06/17 11:05	1
Motor Oil (>C24-C36)	ND		260		ug/L		10/05/17 08:52	10/06/17 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		43 - 119	10/05/17 08:52	10/06/17 11:05	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-52_20170928

Lab Sample ID: 580-71703-23

Date Collected: 09/28/17 09:10

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	310		20		ug/L			10/04/17 08:29	10
Ethylbenzene	1200		30		ug/L			10/04/17 08:29	10
Toluene	ND		20		ug/L			10/04/17 08:29	10
Xylenes, Total	ND		30		ug/L			10/04/17 08:29	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		10/04/17 08:29	10
4-Bromofluorobenzene (Surr)	100		70 - 130		10/04/17 08:29	10
Dibromofluoromethane (Surr)	102		70 - 130		10/04/17 08:29	10
Toluene-d8 (Surr)	100		70 - 130		10/04/17 08:29	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	17000		5000		ug/L			10/05/17 20:57	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 20:57	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2700		100		ug/L		10/05/17 08:52	10/06/17 11:34	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 11:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	44		43 - 119	10/05/17 08:52	10/06/17 11:34	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-53_20170928

Lab Sample ID: 580-71703-24

Date Collected: 09/28/17 09:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12000		200		ug/L			10/04/17 09:22	100
Ethylbenzene	3000		300		ug/L			10/04/17 09:22	100
Toluene	280		200		ug/L			10/04/17 09:22	100
Xylenes, Total	8700		300		ug/L			10/04/17 09:22	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/04/17 09:22	100
4-Bromofluorobenzene (Surr)	100		70 - 130		10/04/17 09:22	100
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 09:22	100
Toluene-d8 (Surr)	100		70 - 130		10/04/17 09:22	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	73000		13000		ug/L			10/05/17 22:59	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		50 - 150		10/05/17 22:59	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5100		100		ug/L		10/05/17 08:52	10/06/17 12:03	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		43 - 119	10/05/17 08:52	10/06/17 12:03	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-55_20170927

Lab Sample ID: 580-71703-25

Date Collected: 09/27/17 12:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 07:10	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 07:10	1
Toluene	ND		2.0		ug/L			10/04/17 07:10	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/04/17 07:10	1
4-Bromofluorobenzene (Surr)	101		70 - 130		10/04/17 07:10	1
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 07:10	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 07:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 17:53	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 17:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/05/17 08:52	10/06/17 12:32	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		43 - 119	10/05/17 08:52	10/06/17 12:32	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-56_20170927

Lab Sample ID: 580-71703-26

Date Collected: 09/27/17 11:45

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		100		ug/L			10/04/17 08:56	50
Ethylbenzene	2400		150		ug/L			10/04/17 08:56	50
Toluene	110		100		ug/L			10/04/17 08:56	50
Xylenes, Total	11000		150		ug/L			10/04/17 08:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/04/17 08:56	50
4-Bromofluorobenzene (Surr)	98		70 - 130		10/04/17 08:56	50
Dibromofluoromethane (Surr)	102		70 - 130		10/04/17 08:56	50
Toluene-d8 (Surr)	100		70 - 130		10/04/17 08:56	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	49000		13000		ug/L			10/05/17 23:30	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		50 - 150		10/05/17 23:30	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2800		100		ug/L		10/05/17 08:52	10/06/17 13:00	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119	10/05/17 08:52	10/06/17 13:00	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-57_20170926

Lab Sample ID: 580-71703-27

Date Collected: 09/26/17 15:45

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	38		2.0		ug/L			10/04/17 06:43	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 06:43	1
Toluene	ND		2.0		ug/L			10/04/17 06:43	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		10/04/17 06:43	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/04/17 06:43	1
Dibromofluoromethane (Surr)	102		70 - 130		10/04/17 06:43	1
Toluene-d8 (Surr)	99		70 - 130		10/04/17 06:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	1000		500		ug/L			10/05/17 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	90		50 - 150		10/05/17 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	160		100		ug/L		10/04/17 14:31	10/05/17 22:09	1
Motor Oil (>C24-C36)	ND		260		ug/L		10/04/17 14:31	10/05/17 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		43 - 119	10/04/17 14:31	10/05/17 22:09	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-58_20170926

Lab Sample ID: 580-71703-28

Date Collected: 09/26/17 15:25

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 04:31	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 04:31	1
Toluene	ND		2.0		ug/L			10/04/17 04:31	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		10/04/17 04:31	1
4-Bromofluorobenzene (Surr)	99		70 - 130		10/04/17 04:31	1
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 04:31	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	960		500		ug/L			10/05/17 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	93		50 - 150		10/05/17 00:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4200		100		ug/L		10/04/17 14:31	10/05/17 22:37	1
Motor Oil (>C24-C36)	450		250		ug/L		10/04/17 14:31	10/05/17 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		43 - 119	10/04/17 14:31	10/05/17 22:37	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-59_20170928

Lab Sample ID: 580-71703-29

Date Collected: 09/28/17 11:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 04:58	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 04:58	1
Toluene	ND		2.0		ug/L			10/04/17 04:58	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/04/17 04:58	1
4-Bromofluorobenzene (Surr)	99		70 - 130		10/04/17 04:58	1
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 04:58	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 04:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	1200		500		ug/L			10/05/17 07:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150		10/05/17 07:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	8000		100		ug/L		10/05/17 08:52	10/06/17 14:55	1
Motor Oil (>C24-C36)	1000		260		ug/L		10/05/17 08:52	10/06/17 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		43 - 119	10/05/17 08:52	10/06/17 14:55	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-60_20170926

Lab Sample ID: 580-71703-30

Date Collected: 09/26/17 14:50

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 05:24	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 05:24	1
Toluene	ND		2.0		ug/L			10/04/17 05:24	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/04/17 05:24	1
4-Bromofluorobenzene (Surr)	99		70 - 130		10/04/17 05:24	1
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 05:24	1
Toluene-d8 (Surr)	101		70 - 130		10/04/17 05:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 01:01	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 01:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/05/17 23:05	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		43 - 119	10/04/17 14:31	10/05/17 23:05	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-61_20170926

Lab Sample ID: 580-71703-31

Date Collected: 09/26/17 15:10

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/03/17 23:53	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 23:53	1
Toluene	ND		2.0		ug/L			10/03/17 23:53	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		10/03/17 23:53	1
4-Bromofluorobenzene (Surr)	98		70 - 130		10/03/17 23:53	1
Dibromofluoromethane (Surr)	103		70 - 130		10/03/17 23:53	1
Toluene-d8 (Surr)	100		70 - 130		10/03/17 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 01:32	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 01:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/05/17 23:32	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	59		43 - 119	10/04/17 14:31	10/05/17 23:32	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-62_20170926

Lab Sample ID: 580-71703-32

Date Collected: 09/26/17 15:35

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 00:20	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 00:20	1
Toluene	ND		2.0		ug/L			10/04/17 00:20	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		70 - 130		10/04/17 00:20	1
4-Bromofluorobenzene (Surr)	104		70 - 130		10/04/17 00:20	1
Dibromofluoromethane (Surr)	120		70 - 130		10/04/17 00:20	1
Toluene-d8 (Surr)	101		70 - 130		10/04/17 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 02:03	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	93		50 - 150		10/05/17 02:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/06/17 00:00	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/06/17 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		43 - 119	10/04/17 14:31	10/06/17 00:00	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-63_20170927

Lab Sample ID: 580-71703-33

Date Collected: 09/27/17 14:10

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 00:46	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 00:46	1
Toluene	ND		2.0		ug/L			10/04/17 00:46	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		10/04/17 00:46	1
4-Bromofluorobenzene (Surr)	103		70 - 130		10/04/17 00:46	1
Dibromofluoromethane (Surr)	102		70 - 130		10/04/17 00:46	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 02:33	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/05/17 13:41	10/06/17 20:58	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/06/17 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		43 - 119	10/05/17 13:41	10/06/17 20:58	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-64_20170927

Lab Sample ID: 580-71703-34

Date Collected: 09/27/17 09:55

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12		2.0		ug/L			10/05/17 05:05	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 05:05	1
Toluene	ND		2.0		ug/L			10/05/17 05:05	1
Xylenes, Total	5.0		3.0		ug/L			10/05/17 05:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 130		10/05/17 05:05	1
4-Bromofluorobenzene (Surr)	92		70 - 130		10/05/17 05:05	1
Dibromofluoromethane (Surr)	103		70 - 130		10/05/17 05:05	1
Toluene-d8 (Surr)	100		70 - 130		10/05/17 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	2400		500		ug/L			10/05/17 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	85		50 - 150		10/05/17 05:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2300		100		ug/L		10/05/17 13:41	10/06/17 21:26	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/06/17 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		43 - 119	10/05/17 13:41	10/06/17 21:26	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-65_20170927

Lab Sample ID: 580-71703-35

Date Collected: 09/27/17 13:20

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2000		40		ug/L			10/04/17 03:51	20
Ethylbenzene	1100		60		ug/L			10/04/17 03:51	20
Toluene	ND		40		ug/L			10/04/17 03:51	20
Xylenes, Total	ND		60		ug/L			10/04/17 03:51	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/04/17 03:51	20
4-Bromofluorobenzene (Surr)	101		70 - 130		10/04/17 03:51	20
Dibromofluoromethane (Surr)	99		70 - 130		10/04/17 03:51	20
Toluene-d8 (Surr)	99		70 - 130		10/04/17 03:51	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	16000		5000		ug/L			10/05/17 21:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		50 - 150		10/05/17 21:27	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4000		100		ug/L		10/05/17 13:41	10/06/17 21:54	1
Motor Oil (>C24-C36)	280		250		ug/L		10/05/17 13:41	10/06/17 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		43 - 119	10/05/17 13:41	10/06/17 21:54	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-66_20170927

Lab Sample ID: 580-71703-36

Date Collected: 09/27/17 13:40

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	310		10		ug/L			10/04/17 02:32	5
Ethylbenzene	72		15		ug/L			10/04/17 02:32	5
Toluene	ND		10		ug/L			10/04/17 02:32	5
Xylenes, Total	ND		15		ug/L			10/04/17 02:32	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/04/17 02:32	5
4-Bromofluorobenzene (Surr)	90		70 - 130		10/04/17 02:32	5
Dibromofluoromethane (Surr)	100		70 - 130		10/04/17 02:32	5
Toluene-d8 (Surr)	119		70 - 130		10/04/17 02:32	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	6500		2500		ug/L			10/05/17 18:54	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	93		50 - 150		10/05/17 18:54	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1400		100		ug/L		10/05/17 13:41	10/06/17 22:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/06/17 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		43 - 119	10/05/17 13:41	10/06/17 22:22	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-67_20170927

Lab Sample ID: 580-71703-37

Date Collected: 09/27/17 12:15

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	96		2.0		ug/L			10/04/17 07:36	1
Ethylbenzene	190		3.0		ug/L			10/04/17 07:36	1
Toluene	6.0		2.0		ug/L			10/04/17 07:36	1
Xylenes, Total	27		3.0		ug/L			10/04/17 07:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		10/04/17 07:36	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/04/17 07:36	1
Dibromofluoromethane (Surr)	104		70 - 130		10/04/17 07:36	1
Toluene-d8 (Surr)	101		70 - 130		10/04/17 07:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	6000		2500		ug/L			10/05/17 19:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150		10/05/17 19:25	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1100		100		ug/L		10/05/17 13:41	10/06/17 23:18	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/06/17 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		43 - 119	10/05/17 13:41	10/06/17 23:18	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-68_20170927

Lab Sample ID: 580-71703-38

Date Collected: 09/27/17 14:30

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 06:17	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 06:17	1
Toluene	ND		2.0		ug/L			10/04/17 06:17	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 06:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/04/17 06:17	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/04/17 06:17	1
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 06:17	1
Toluene-d8 (Surr)	101		70 - 130		10/04/17 06:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 09:12	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150		10/05/17 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/05/17 13:41	10/06/17 23:46	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/06/17 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		43 - 119	10/05/17 13:41	10/06/17 23:46	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-69_20170927

Lab Sample ID: 580-71703-39

Date Collected: 09/27/17 15:10

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 03:12	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 03:12	1
Toluene	ND		2.0		ug/L			10/04/17 03:12	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/04/17 03:12	1
4-Bromofluorobenzene (Surr)	102		70 - 130		10/04/17 03:12	1
Dibromofluoromethane (Surr)	102		70 - 130		10/04/17 03:12	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 05:07	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 05:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/05/17 13:41	10/07/17 00:14	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/07/17 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119	10/05/17 13:41	10/07/17 00:14	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-70_20170926

Lab Sample ID: 580-71703-40

Date Collected: 09/26/17 14:40

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 05:51	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 05:51	1
Toluene	ND		2.0		ug/L			10/04/17 05:51	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		10/04/17 05:51	1
4-Bromofluorobenzene (Surr)	99		70 - 130		10/04/17 05:51	1
Dibromofluoromethane (Surr)	103		70 - 130		10/04/17 05:51	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 09:43	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/06/17 00:55	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/06/17 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		43 - 119	10/04/17 14:31	10/06/17 00:55	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-71_20170927

Lab Sample ID: 580-71703-41

Date Collected: 09/27/17 09:30

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 05:31	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 05:31	1
Toluene	ND		2.0		ug/L			10/05/17 05:31	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		10/05/17 05:31	1
4-Bromofluorobenzene (Surr)	95		70 - 130		10/05/17 05:31	1
Dibromofluoromethane (Surr)	103		70 - 130		10/05/17 05:31	1
Toluene-d8 (Surr)	101		70 - 130		10/05/17 05:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 05:54	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		10/05/17 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	150		100		ug/L		10/05/17 13:41	10/07/17 01:38	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/07/17 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		43 - 119	10/05/17 13:41	10/07/17 01:38	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: AG-WELL_20170927

Lab Sample ID: 580-71703-42

Date Collected: 09/27/17 15:40

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 04:11	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 04:11	1
Toluene	ND		2.0		ug/L			10/05/17 04:11	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 130		10/05/17 04:11	1
4-Bromofluorobenzene (Surr)	93		70 - 130		10/05/17 04:11	1
Dibromofluoromethane (Surr)	104		70 - 130		10/05/17 04:11	1
Toluene-d8 (Surr)	99		70 - 130		10/05/17 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 06:23	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		50 - 150		10/05/17 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	140		100		ug/L		10/05/17 13:41	10/07/17 02:05	1
Motor Oil (>C24-C36)	250		250		ug/L		10/05/17 13:41	10/07/17 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		43 - 119	10/05/17 13:41	10/07/17 02:05	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Trip Blank-1

Lab Sample ID: 580-71703-43

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/03/17 21:15	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 21:15	1
Toluene	ND		2.0		ug/L			10/03/17 21:15	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 21:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		10/03/17 21:15	1
4-Bromofluorobenzene (Surr)	104		70 - 130		10/03/17 21:15	1
Dibromofluoromethane (Surr)	84		70 - 130		10/03/17 21:15	1
Toluene-d8 (Surr)	99		70 - 130		10/03/17 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 11:39	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150		10/04/17 11:39	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Trip Blank-2

Lab Sample ID: 580-71703-44

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/03/17 21:41	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 21:41	1
Toluene	ND		2.0		ug/L			10/03/17 21:41	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		10/03/17 21:41	1
4-Bromofluorobenzene (Surr)	97		70 - 130		10/03/17 21:41	1
Dibromofluoromethane (Surr)	103		70 - 130		10/03/17 21:41	1
Toluene-d8 (Surr)	99		70 - 130		10/03/17 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 12:10	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150		10/04/17 12:10	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Trip Blank-3

Lab Sample ID: 580-71703-45

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/03/17 22:08	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 22:08	1
Toluene	ND		2.0		ug/L			10/03/17 22:08	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		10/03/17 22:08	1
4-Bromofluorobenzene (Surr)	103		70 - 130		10/03/17 22:08	1
Dibromofluoromethane (Surr)	83		70 - 130		10/03/17 22:08	1
Toluene-d8 (Surr)	99		70 - 130		10/03/17 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 12:41	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150		10/04/17 12:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Trip Blank-4

Lab Sample ID: 580-71703-46

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 03:45	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 03:45	1
Toluene	ND		2.0		ug/L			10/05/17 03:45	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 130		10/05/17 03:45	1
4-Bromofluorobenzene (Surr)	91		70 - 130		10/05/17 03:45	1
Dibromofluoromethane (Surr)	101		70 - 130		10/05/17 03:45	1
Toluene-d8 (Surr)	99		70 - 130		10/05/17 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 16:30	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	93		50 - 150		10/04/17 16:30	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Trip Blank-5

Lab Sample ID: 580-71703-47

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 23:18	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 23:18	1
Toluene	ND		2.0		ug/L			10/04/17 23:18	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		10/04/17 23:18	1
4-Bromofluorobenzene (Surr)	91		70 - 130		10/04/17 23:18	1
Dibromofluoromethane (Surr)	101		70 - 130		10/04/17 23:18	1
Toluene-d8 (Surr)	98		70 - 130		10/04/17 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 17:00	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	100		50 - 150		10/04/17 17:00	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Dup-1
Date Collected: 09/26/17 06:00
Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-48
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 01:39	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 01:39	1
Toluene	ND		2.0		ug/L			10/04/17 01:39	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130					10/04/17 01:39	1
4-Bromofluorobenzene (Surr)	101		70 - 130					10/04/17 01:39	1
Dibromofluoromethane (Surr)	100		70 - 130					10/04/17 01:39	1
Toluene-d8 (Surr)	98		70 - 130					10/04/17 01:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L			10/05/17 10:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150					10/05/17 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/06/17 01:23	1
Motor Oil (>C24-C36)	ND		260		ug/L		10/04/17 14:31	10/06/17 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	66		43 - 119				10/04/17 14:31	10/06/17 01:23	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Dup-2
Date Collected: 09/26/17 06:30
Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-49
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 15:43	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 15:43	1
Toluene	ND		2.0		ug/L			10/05/17 15:43	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					10/05/17 15:43	1
4-Bromofluorobenzene (Surr)	94		70 - 130					10/05/17 15:43	1
Dibromofluoromethane (Surr)	99		70 - 130					10/05/17 15:43	1
Toluene-d8 (Surr)	100		70 - 130					10/05/17 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/05/17 10:44	1
-C6-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150					10/05/17 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/06/17 01:51	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/06/17 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	65		43 - 119				10/04/17 14:31	10/06/17 01:51	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Dup-3
Date Collected: 09/27/17 06:30
Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-50
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 09:49	1
Ethylbenzene	6.4		3.0		ug/L			10/04/17 09:49	1
Toluene	ND		2.0		ug/L			10/04/17 09:49	1
Xylenes, Total	7.7		3.0		ug/L			10/04/17 09:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130					10/04/17 09:49	1
4-Bromofluorobenzene (Surr)	98		70 - 130					10/04/17 09:49	1
Dibromofluoromethane (Surr)	104		70 - 130					10/04/17 09:49	1
Toluene-d8 (Surr)	100		70 - 130					10/04/17 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	1700		500		ug/L			10/05/17 11:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150					10/05/17 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4000		100		ug/L		10/05/17 13:41	10/07/17 02:33	1
Motor Oil (>C24-C36)	690		250		ug/L		10/05/17 13:41	10/07/17 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	84		43 - 119				10/05/17 13:41	10/07/17 02:33	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Dup-4
Date Collected: 09/27/17 06:15
Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-51
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1700		20		ug/L			10/04/17 04:17	10
Ethylbenzene	960		30		ug/L			10/04/17 04:17	10
Toluene	ND		20		ug/L			10/04/17 04:17	10
Xylenes, Total	30		30		ug/L			10/04/17 04:17	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		10/04/17 04:17	10
4-Bromofluorobenzene (Surr)	102		70 - 130		10/04/17 04:17	10
Dibromofluoromethane (Surr)	100		70 - 130		10/04/17 04:17	10
Toluene-d8 (Surr)	100		70 - 130		10/04/17 04:17	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	16000		5000		ug/L			10/05/17 21:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		50 - 150		10/05/17 21:58	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4300		100		ug/L		10/05/17 13:41	10/07/17 03:01	1
Motor Oil (>C24-C36)	290		250		ug/L		10/05/17 13:41	10/07/17 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		43 - 119	10/05/17 13:41	10/07/17 03:01	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: MB 490-465124/6

Matrix: Water

Analysis Batch: 465124

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 02:46	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 02:46	1
Toluene	ND		2.0		ug/L			10/04/17 02:46	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 02:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/04/17 02:46	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/04/17 02:46	1
Dibromofluoromethane (Surr)	102		70 - 130		10/04/17 02:46	1
Toluene-d8 (Surr)	100		70 - 130		10/04/17 02:46	1

Lab Sample ID: LCS 490-465124/3

Matrix: Water

Analysis Batch: 465124

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	51.0		ug/L		102	80 - 121
Ethylbenzene	50.0	51.8		ug/L		104	80 - 130
Toluene	50.0	51.9		ug/L		104	80 - 126
m-Xylene & p-Xylene	100	105		ug/L		105	80 - 141
o-Xylene	50.0	51.4		ug/L		103	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 490-465124/4

Matrix: Water

Analysis Batch: 465124

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	50.0	49.0		ug/L		98	80 - 121	4	12
Ethylbenzene	50.0	50.6		ug/L		101	80 - 130	2	12
Toluene	50.0	51.1		ug/L		102	80 - 126	1	13
m-Xylene & p-Xylene	100	103		ug/L		103	80 - 141	2	12
o-Xylene	50.0	50.3		ug/L		101	80 - 127	2	11

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	100		70 - 130

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-39 MS

Matrix: Water

Analysis Batch: 465124

Client Sample ID: MW-69_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	53.2		ug/L		106	55 - 147
Ethylbenzene	ND		50.0	54.7		ug/L		109	65 - 139
Toluene	ND		50.0	55.0		ug/L		110	64 - 136
m-Xylene & p-Xylene	ND		100	110		ug/L		110	70 - 130
o-Xylene	ND		50.0	53.7		ug/L		107	70 - 131

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: 580-71703-39 MSD

Matrix: Water

Analysis Batch: 465124

Client Sample ID: MW-69_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	53.1		ug/L		106	55 - 147	0	17
Ethylbenzene	ND		50.0	55.2		ug/L		110	65 - 139	1	15
Toluene	ND		50.0	55.4		ug/L		111	64 - 136	1	15
m-Xylene & p-Xylene	ND		100	111		ug/L		111	70 - 130	1	16
o-Xylene	ND		50.0	54.2		ug/L		108	70 - 131	1	14

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 490-465156/6

Matrix: Water

Analysis Batch: 465156

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/03/17 20:49	1
Ethylbenzene	ND		3.0		ug/L			10/03/17 20:49	1
Toluene	ND		2.0		ug/L			10/03/17 20:49	1
Xylenes, Total	ND		3.0		ug/L			10/03/17 20:49	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		10/03/17 20:49	1
4-Bromofluorobenzene (Surr)	102		70 - 130		10/03/17 20:49	1
Dibromofluoromethane (Surr)	93		70 - 130		10/03/17 20:49	1
Toluene-d8 (Surr)	99		70 - 130		10/03/17 20:49	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: LCS 490-465156/3

Matrix: Water

Analysis Batch: 465156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.1		ug/L		98	80 - 121
Ethylbenzene	50.0	51.6		ug/L		103	80 - 130
Toluene	50.0	53.2		ug/L		106	80 - 126
m-Xylene & p-Xylene	100	106		ug/L		106	80 - 141
o-Xylene	50.0	52.9		ug/L		106	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	87		70 - 130
Toluene-d8 (Surr)	109		70 - 130

Lab Sample ID: LCSD 490-465156/4

Matrix: Water

Analysis Batch: 465156

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	50.0	46.3		ug/L		93	80 - 121	6	12
Ethylbenzene	50.0	48.4		ug/L		97	80 - 130	6	12
Toluene	50.0	48.6		ug/L		97	80 - 126	9	13
m-Xylene & p-Xylene	100	96.6		ug/L		97	80 - 141	9	12
o-Xylene	50.0	48.2		ug/L		96	80 - 127	9	11

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: 580-71703-7 MS

Matrix: Water

Analysis Batch: 465156

Client Sample ID: MW-23_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	51.7		ug/L		103	55 - 147
Ethylbenzene	ND		50.0	53.5		ug/L		107	65 - 139
Toluene	ND		50.0	53.9		ug/L		108	64 - 136
m-Xylene & p-Xylene	ND		100	107		ug/L		107	70 - 130
o-Xylene	ND		50.0	53.1		ug/L		106	70 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	90		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	99		70 - 130

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-7 MSD

Matrix: Water

Analysis Batch: 465156

Client Sample ID: MW-23_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	49.2		ug/L		98	55 - 147	5	17
Ethylbenzene	ND		50.0	51.0		ug/L		102	65 - 139	5	15
Toluene	ND		50.0	51.0		ug/L		102	64 - 136	6	15
m-Xylene & p-Xylene	ND		100	101		ug/L		101	70 - 130	6	16
o-Xylene	ND		50.0	50.1		ug/L		100	70 - 131	6	14

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MB 490-465392/5

Matrix: Water

Analysis Batch: 465392

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/04/17 14:21	1
Ethylbenzene	ND		3.0		ug/L			10/04/17 14:21	1
Toluene	ND		2.0		ug/L			10/04/17 14:21	1
Xylenes, Total	ND		3.0		ug/L			10/04/17 14:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		10/04/17 14:21	1
4-Bromofluorobenzene (Surr)	90		70 - 130		10/04/17 14:21	1
Dibromofluoromethane (Surr)	101		70 - 130		10/04/17 14:21	1
Toluene-d8 (Surr)	102		70 - 130		10/04/17 14:21	1

Lab Sample ID: LCS 490-465392/3

Matrix: Water

Analysis Batch: 465392

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.4		ug/L		102	80 - 121
Ethylbenzene	20.0	18.4		ug/L		92	80 - 130
Toluene	20.0	19.1		ug/L		95	80 - 126
m-Xylene & p-Xylene	20.0	17.6		ug/L		88	80 - 141
o-Xylene	20.0	17.8		ug/L		89	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
Toluene-d8 (Surr)	97		70 - 130

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: MB 490-465520/6

Matrix: Water

Analysis Batch: 465520

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 03:18	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 03:18	1
Toluene	ND		2.0		ug/L			10/05/17 03:18	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 03:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130		10/05/17 03:18	1
4-Bromofluorobenzene (Surr)	92		70 - 130		10/05/17 03:18	1
Dibromofluoromethane (Surr)	103		70 - 130		10/05/17 03:18	1
Toluene-d8 (Surr)	101		70 - 130		10/05/17 03:18	1

Lab Sample ID: LCS 490-465520/3

Matrix: Water

Analysis Batch: 465520

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	19.8		ug/L		99	80 - 121
Ethylbenzene	20.0	18.4		ug/L		92	80 - 130
Toluene	20.0	19.1		ug/L		95	80 - 126
m-Xylene & p-Xylene	20.0	18.1		ug/L		91	80 - 141
o-Xylene	20.0	17.7		ug/L		89	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 490-465520/4

Matrix: Water

Analysis Batch: 465520

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	20.0	21.4		ug/L		107	80 - 121	8	12
Ethylbenzene	20.0	19.9		ug/L		99	80 - 130	8	12
Toluene	20.0	20.5		ug/L		102	80 - 126	7	13
m-Xylene & p-Xylene	20.0	18.7		ug/L		93	80 - 141	3	12
o-Xylene	20.0	18.7		ug/L		94	80 - 127	5	11

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	100		70 - 130

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-9 MS

Matrix: Water

Analysis Batch: 465520

Client Sample ID: MW-27_20170928

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	6.2		20.0	25.9		ug/L		98	55 - 147
Ethylbenzene	320	E	20.0	350	E 4	ug/L		135	65 - 139
Toluene	ND		20.0	20.5		ug/L		95	64 - 136
m-Xylene & p-Xylene	8.8		20.0	29.5		ug/L		103	70 - 130
o-Xylene	ND		20.0	17.7		ug/L		87	70 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	90		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: 580-71703-9 MSD

Matrix: Water

Analysis Batch: 465520

Client Sample ID: MW-27_20170928

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	6.2		20.0	26.1		ug/L		99	55 - 147	0	17
Ethylbenzene	320	E	20.0	337	E 4	ug/L		67	65 - 139	4	15
Toluene	ND		20.0	20.8		ug/L		97	64 - 136	1	15
m-Xylene & p-Xylene	8.8		20.0	26.6		ug/L		89	70 - 130	10	16
o-Xylene	ND		20.0	16.9		ug/L		83	70 - 131	4	14

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: MB 490-465650/5

Matrix: Water

Analysis Batch: 465650

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/05/17 15:17	1
Ethylbenzene	ND		3.0		ug/L			10/05/17 15:17	1
Toluene	ND		2.0		ug/L			10/05/17 15:17	1
Xylenes, Total	ND		3.0		ug/L			10/05/17 15:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		10/05/17 15:17	1
4-Bromofluorobenzene (Surr)	95		70 - 130		10/05/17 15:17	1
Dibromofluoromethane (Surr)	97		70 - 130		10/05/17 15:17	1
Toluene-d8 (Surr)	99		70 - 130		10/05/17 15:17	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: LCS 490-465650/3

Matrix: Water

Analysis Batch: 465650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.0		ug/L		100	80 - 121
Ethylbenzene	20.0	18.8		ug/L		94	80 - 130
Toluene	20.0	19.8		ug/L		99	80 - 126
m-Xylene & p-Xylene	20.0	18.0		ug/L		90	80 - 141
o-Xylene	20.0	17.3		ug/L		87	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 490-466705/7

Matrix: Water

Analysis Batch: 466705

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/10/17 13:28	1
Ethylbenzene	ND		3.0		ug/L			10/10/17 13:28	1
Toluene	ND		2.0		ug/L			10/10/17 13:28	1
Xylenes, Total	ND		3.0		ug/L			10/10/17 13:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/10/17 13:28	1
4-Bromofluorobenzene (Surr)	91		70 - 130		10/10/17 13:28	1
Dibromofluoromethane (Surr)	100		70 - 130		10/10/17 13:28	1
Toluene-d8 (Surr)	100		70 - 130		10/10/17 13:28	1

Lab Sample ID: LCS 490-466705/3

Matrix: Water

Analysis Batch: 466705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.1		ug/L		100	80 - 121
Ethylbenzene	20.0	17.4		ug/L		87	80 - 130
Toluene	20.0	18.5		ug/L		92	80 - 126
m-Xylene & p-Xylene	20.0	16.7		ug/L		83	80 - 141
o-Xylene	20.0	16.9		ug/L		85	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130
Toluene-d8 (Surr)	97		70 - 130

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-17 MS

Matrix: Water

Analysis Batch: 466705

Client Sample ID: MW-44_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	76		100	189		ug/L		113	55 - 147
Ethylbenzene	550		100	663	4	ug/L		114	65 - 139
Toluene	ND		100	105		ug/L		96	64 - 136
m-Xylene & p-Xylene	19		100	107		ug/L		89	70 - 130
o-Xylene	ND		100	88.7		ug/L		89	70 - 131
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	102		70 - 130						
4-Bromofluorobenzene (Surr)	91		70 - 130						
Dibromofluoromethane (Surr)	104		70 - 130						
Toluene-d8 (Surr)	97		70 - 130						

Lab Sample ID: 580-71703-17 MSD

Matrix: Water

Analysis Batch: 466705

Client Sample ID: MW-44_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	76		100	182		ug/L		107	55 - 147	4	17
Ethylbenzene	550		100	622	4	ug/L		72	65 - 139	6	15
Toluene	ND		100	101		ug/L		92	64 - 136	4	15
m-Xylene & p-Xylene	19		100	102		ug/L		83	70 - 130	6	16
o-Xylene	ND		100	81.0		ug/L		81	70 - 131	9	14
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
1,2-Dichloroethane-d4 (Surr)	106		70 - 130								
4-Bromofluorobenzene (Surr)	91		70 - 130								
Dibromofluoromethane (Surr)	104		70 - 130								
Toluene-d8 (Surr)	98		70 - 130								

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

Lab Sample ID: MB 490-465201/26

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		500		ug/L			10/04/17 20:25	1
-C6-C12									
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	96		50 - 150					10/04/17 20:25	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: MB 490-465201/42

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L	-		10/05/17 04:36	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	90		50 - 150					10/05/17 04:36	1

Lab Sample ID: MB 490-465201/8

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L	-		10/04/17 11:08	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150					10/04/17 11:08	1

Lab Sample ID: LCS 490-465201/23

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	1000	1120		ug/L	-	112	39 - 143
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	94		50 - 150				

Lab Sample ID: LCS 490-465201/4

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	1000	1130		ug/L	-	113	39 - 143
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	94		50 - 150				

Lab Sample ID: LCS 490-465201/40

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	1000	1060		ug/L	-	106	39 - 143

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: LCS 490-465201/40

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	91		50 - 150

Lab Sample ID: LCSD 490-465201/24

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1090		ug/L		109	39 - 143	2	18
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	95		50 - 150						

Lab Sample ID: LCSD 490-465201/5

Matrix: Water

Analysis Batch: 465201

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1150		ug/L		115	39 - 143	2	18
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	92		50 - 150						

Lab Sample ID: 580-71703-7 MS

Matrix: Water

Analysis Batch: 465201

Client Sample ID: MW-23_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	750		1000	1780		ug/L		103	39 - 143		
Surrogate	MS %Recovery	MS Qualifier	Limits								
a,a,a-Trifluorotoluene	93		50 - 150								

Lab Sample ID: 580-71703-7 MSD

Matrix: Water

Analysis Batch: 465201

Client Sample ID: MW-23_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	750		1000	1890		ug/L		114	39 - 143	6	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene	93		50 - 150								

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-39 MS

Matrix: Water

Analysis Batch: 465201

Client Sample ID: MW-69_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	ND		1000	840		ug/L		84	39 - 143
Surrogate	MS %Recovery	MS Qualifier	Limits						
a,a,a-Trifluorotoluene	89		50 - 150						

Lab Sample ID: 580-71703-39 MSD

Matrix: Water

Analysis Batch: 465201

Client Sample ID: MW-69_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	ND		1000	961		ug/L		96	39 - 143	13	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene	89		50 - 150								

Lab Sample ID: MB 490-465203/14

Matrix: Water

Analysis Batch: 465203

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L			10/04/17 16:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		50 - 150					10/04/17 16:00	1

Lab Sample ID: MB 490-465203/32

Matrix: Water

Analysis Batch: 465203

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L			10/05/17 00:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		50 - 150					10/05/17 00:57	1

Lab Sample ID: LCS 490-465203/4

Matrix: Water

Analysis Batch: 465203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	1000	1170		ug/L		117	39 - 143

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: LCS 490-465203/4

Matrix: Water

Analysis Batch: 465203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	106		50 - 150

Lab Sample ID: LCS 490-465203/45

Matrix: Water

Analysis Batch: 465203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	1000	1190		ug/L		119	39 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	105		50 - 150

Lab Sample ID: LCSD 490-465203/46

Matrix: Water

Analysis Batch: 465203

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1180		ug/L		118	39 - 143	0	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	105		50 - 150

Lab Sample ID: LCSD 490-465203/5

Matrix: Water

Analysis Batch: 465203

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1160		ug/L		116	39 - 143	0	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	105		50 - 150

Lab Sample ID: 580-71703-9 MS

Matrix: Water

Analysis Batch: 465203

Client Sample ID: MW-27_20170928

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	9500	E	1000	10500	E 4	ug/L		95	39 - 143

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene	84		50 - 150

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-9 MSD

Matrix: Water

Analysis Batch: 465203

Client Sample ID: MW-27_20170928

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	9500	E	1000	10600	E 4	ug/L	-	109	39 - 143	1	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene	78		50 - 150								

Lab Sample ID: 580-71703-17 MS

Matrix: Water

Analysis Batch: 465203

Client Sample ID: MW-44_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	8200	E	1000	8710	E 4	ug/L	-	47	39 - 143		
Surrogate	MS %Recovery	MS Qualifier	Limits								
a,a,a-Trifluorotoluene	75		50 - 150								

Lab Sample ID: 580-71703-17 MSD

Matrix: Water

Analysis Batch: 465203

Client Sample ID: MW-44_20170927

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	8200	E	1000	8260	E 4	ug/L	-	2	39 - 143	5	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene	75		50 - 150								

Lab Sample ID: MB 490-465558/8

Matrix: Water

Analysis Batch: 465558

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L	-		10/05/17 12:48	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
a,a,a-Trifluorotoluene	101		50 - 150					10/05/17 12:48	1

Lab Sample ID: LCS 490-465558/4

Matrix: Water

Analysis Batch: 465558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1170		ug/L	-	117	39 - 143		

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: LCS 490-465558/4

Matrix: Water

Analysis Batch: 465558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	99		50 - 150

Lab Sample ID: LCSD 490-465558/5

Matrix: Water

Analysis Batch: 465558

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1160		ug/L		116	39 - 143	1	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	96		50 - 150

Lab Sample ID: MB 490-465566/7

Matrix: Water

Analysis Batch: 465566

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C12	ND		500		ug/L			10/05/17 16:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		50 - 150		10/05/17 16:21	1

Lab Sample ID: LCS 490-465566/4

Matrix: Water

Analysis Batch: 465566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	1000	1120		ug/L		112	39 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	92		50 - 150

Lab Sample ID: LCSD 490-465566/5

Matrix: Water

Analysis Batch: 465566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1130		ug/L		113	39 - 143	1	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	92		50 - 150

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: MB 580-258038/1-A

Matrix: Water

Analysis Batch: 258110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 258038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 11:21	10/05/17 03:36	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 11:21	10/05/17 03:36	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		43 - 119				10/04/17 11:21	10/05/17 03:36	1

Lab Sample ID: LCS 580-258038/2-A

Matrix: Water

Analysis Batch: 258110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 258038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	2000	1460		ug/L		73	59 - 112		
Motor Oil (>C24-C36)	2000	1740		ug/L		87	64 - 120		
Surrogate	%Recovery	LCS Qualifier	Limits						
o-Terphenyl	78		43 - 119						

Lab Sample ID: LCSD 580-258038/3-A

Matrix: Water

Analysis Batch: 258110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 258038

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1550		ug/L		78	59 - 112	6	16
Motor Oil (>C24-C36)	2000	1860		ug/L		93	64 - 120	6	17
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-Terphenyl	80		43 - 119						

Lab Sample ID: 580-71703-7 MS

Matrix: Water

Analysis Batch: 258110

Client Sample ID: MW-23_20170927

Prep Type: Total/NA

Prep Batch: 258038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	3600		2020	4910		ug/L		63	59 - 112		
Motor Oil (>C24-C36)	560		2020	2310		ug/L		87	64 - 120		
Surrogate	%Recovery	MS Qualifier	Limits								
o-Terphenyl	79		43 - 119								

Lab Sample ID: 580-71703-7 MSD

Matrix: Water

Analysis Batch: 258110

Client Sample ID: MW-23_20170927

Prep Type: Total/NA

Prep Batch: 258038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	3600		2040	5420		ug/L		87	59 - 112	10	16
Motor Oil (>C24-C36)	560		2040	2470		ug/L		93	64 - 120	7	17

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-7 MSD

Matrix: Water

Analysis Batch: 258110

Client Sample ID: MW-23_20170927

Prep Type: Total/NA

Prep Batch: 258038

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	114		43 - 119

Lab Sample ID: MB 580-258083/1-A

Matrix: Water

Analysis Batch: 258170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 258083

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/04/17 14:31	10/05/17 14:35	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/04/17 14:31	10/05/17 14:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	70		43 - 119				10/04/17 14:31	10/05/17 14:35	1

Lab Sample ID: LCS 580-258083/2-A

Matrix: Water

Analysis Batch: 258170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 258083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1500		ug/L		75	59 - 112
Motor Oil (>C24-C36)	2000	1750		ug/L		87	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	86		43 - 119				

Lab Sample ID: LCSD 580-258083/3-A

Matrix: Water

Analysis Batch: 258170

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 258083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1530		ug/L		77	59 - 112	2	16
Motor Oil (>C24-C36)	2000	1810		ug/L		90	64 - 120	3	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	87		43 - 119						

Lab Sample ID: MB 580-258124/1-A

Matrix: Water

Analysis Batch: 258173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 258124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/05/17 08:52	10/06/17 04:07	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 08:52	10/06/17 04:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	74		43 - 119				10/05/17 08:52	10/06/17 04:07	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: LCS 580-258124/2-A

Matrix: Water

Analysis Batch: 258173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 258124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2000	1570		ug/L		78	59 - 112
Motor Oil (>C24-C36)	2000	1870		ug/L		94	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	89		43 - 119

Lab Sample ID: LCSD 580-258124/3-A

Matrix: Water

Analysis Batch: 258173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 258124

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1570		ug/L		78	59 - 112	0	16
Motor Oil (>C24-C36)	2000	1830		ug/L		91	64 - 120	2	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	88		43 - 119

Lab Sample ID: 580-71703-9 MS

Matrix: Water

Analysis Batch: 258173

Client Sample ID: MW-27_20170928

Prep Type: Total/NA

Prep Batch: 258124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2600	F2 F1	2020	3360	F1	ug/L		38	59 - 112
Motor Oil (>C24-C36)	ND	F2	2020	1440		ug/L		71	64 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	66		43 - 119

Lab Sample ID: 580-71703-9 MSD

Matrix: Water

Analysis Batch: 258173

Client Sample ID: MW-27_20170928

Prep Type: Total/NA

Prep Batch: 258124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2600	F2 F1	2030	4100	F2	ug/L		74	59 - 112	20	16
Motor Oil (>C24-C36)	ND	F2	2030	1740	F2	ug/L		86	64 - 120	19	17

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	82		43 - 119

Lab Sample ID: 580-71703-17 MS

Matrix: Water

Analysis Batch: 258173

Client Sample ID: MW-44_20170927

Prep Type: Total/NA

Prep Batch: 258124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	1300		2020	2560		ug/L		63	59 - 112
Motor Oil (>C24-C36)	ND		2020	1720		ug/L		85	64 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-17 MS

Matrix: Water

Analysis Batch: 258173

Client Sample ID: MW-44_20170927

Prep Type: Total/NA

Prep Batch: 258124

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	78		43 - 119

Lab Sample ID: 580-71703-17 MSD

Matrix: Water

Analysis Batch: 258173

Client Sample ID: MW-44_20170927

Prep Type: Total/NA

Prep Batch: 258124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	1300		2010	2610		ug/L		66	59 - 112	2	16
Motor Oil (>C24-C36)	ND		2010	1760		ug/L		88	64 - 120	2	17
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	82		43 - 119								

Lab Sample ID: MB 580-258183/1-A

Matrix: Water

Analysis Batch: 258323

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 258183

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		10/05/17 13:41	10/06/17 18:34	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/05/17 13:41	10/06/17 18:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	84		43 - 119				10/05/17 13:41	10/06/17 18:34	1

Lab Sample ID: LCS 580-258183/2-A

Matrix: Water

Analysis Batch: 258323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 258183

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1470		ug/L		73	59 - 112
Motor Oil (>C24-C36)	2000	1690		ug/L		84	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	83		43 - 119				

Lab Sample ID: LCSD 580-258183/3-A

Matrix: Water

Analysis Batch: 258323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 258183

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1510		ug/L		76	59 - 112	3	16
Motor Oil (>C24-C36)	2000	1770		ug/L		88	64 - 120	5	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	86		43 - 119						

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

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

Lab Sample ID: 580-71703-39 MS

Matrix: Water

Analysis Batch: 258323

Client Sample ID: MW-69_20170927

Prep Type: Total/NA

Prep Batch: 258183

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	ND		2030	1420		ug/L		69	59 - 112
Motor Oil (>C24-C36)	ND		2030	1800		ug/L		88	64 - 120
Surrogate	%Recovery	MS Qualifier	MS Limits						
<i>o-Terphenyl</i>	85		43 - 119						

Lab Sample ID: 580-71703-39 MSD

Matrix: Water

Analysis Batch: 258323

Client Sample ID: MW-69_20170927

Prep Type: Total/NA

Prep Batch: 258183

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	ND		2030	1400		ug/L		68	59 - 112	2	16
Motor Oil (>C24-C36)	ND		2030	1690		ug/L		83	64 - 120	6	17
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
<i>o-Terphenyl</i>	81		43 - 119								

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: IW-1_20170926

Date Collected: 09/26/17 11:00

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 06:25	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/04/17 17:30	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 08:44	CJ	TAL SEA

Client Sample ID: MW-18_20170926

Date Collected: 09/26/17 12:00

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	465156	10/04/17 03:24	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		25	465566	10/05/17 22:29	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 09:06	CJ	TAL SEA

Client Sample ID: MW-19_20170927

Date Collected: 09/27/17 14:00

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	465156	10/04/17 02:58	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465566	10/05/17 19:55	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 09:28	CJ	TAL SEA

Client Sample ID: MW-20_20170926

Date Collected: 09/26/17 09:55

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/04/17 01:12	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465566	10/05/17 16:51	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 09:50	CJ	TAL SEA

Client Sample ID: MW-21_20170926

Date Collected: 09/26/17 09:30

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	465156	10/04/17 02:05	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465566	10/05/17 20:26	GWM	TAL NSH

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 10:33	CJ	TAL SEA

Client Sample ID: MW-22_20170927

Lab Sample ID: 580-71703-6

Date Collected: 09/27/17 10:30

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 06:51	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/04/17 18:00	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 10:55	CJ	TAL SEA

Client Sample ID: MW-23_20170927

Lab Sample ID: 580-71703-7

Date Collected: 09/27/17 09:30

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/03/17 22:34	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/04/17 13:11	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 11:17	CJ	TAL SEA

Client Sample ID: MW-25_20170926

Lab Sample ID: 580-71703-8

Date Collected: 09/26/17 11:25

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	465520	10/05/17 07:45	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/04/17 18:30	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 12:24	CJ	TAL SEA

Client Sample ID: MW-27_20170928

Lab Sample ID: 580-71703-9

Date Collected: 09/28/17 09:50

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 07:18	P1B	TAL NSH
Total/NA	Analysis	8260C		5	465650	10/05/17 16:37	C1A	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465558	10/05/17 14:01	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 05:32	W1T	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-29_20170928

Lab Sample ID: 580-71703-10

Date Collected: 09/28/17 10:05

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	465520	10/05/17 08:12	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465558	10/05/17 14:31	GWM	TAL NSH
Total/NA	Prep	3510C			258038	10/04/17 11:21	MRG	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258110	10/05/17 12:46	CJ	TAL SEA

Client Sample ID: MW-31_20170928

Lab Sample ID: 580-71703-11

Date Collected: 09/28/17 09:45

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	465520	10/05/17 08:38	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		50	465558	10/05/17 16:31	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 06:55	W1T	TAL SEA

Client Sample ID: MW-32_20170928

Lab Sample ID: 580-71703-12

Date Collected: 09/28/17 10:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	465520	10/05/17 09:05	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465558	10/05/17 15:01	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 07:22	W1T	TAL SEA

Client Sample ID: MW-35_20170928

Lab Sample ID: 580-71703-13

Date Collected: 09/28/17 09:25

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	465520	10/05/17 09:32	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		50	465558	10/05/17 17:00	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 07:49	W1T	TAL SEA

Client Sample ID: MW-38_20170926

Lab Sample ID: 580-71703-14

Date Collected: 09/26/17 11:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/03/17 23:01	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465566	10/05/17 17:22	GWM	TAL NSH

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-38_20170926

Lab Sample ID: 580-71703-14

Date Collected: 09/26/17 11:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 19:50	TL1	TAL SEA

Client Sample ID: MW-41_20170927

Lab Sample ID: 580-71703-15

Date Collected: 09/27/17 11:30

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 05:58	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/05/17 03:25	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 08:17	W1T	TAL SEA

Client Sample ID: MW-43_20170927

Lab Sample ID: 580-71703-16

Date Collected: 09/27/17 11:15

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	465520	10/05/17 09:58	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		25	465558	10/05/17 16:01	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 09:14	W1T	TAL SEA

Client Sample ID: MW-44_20170927

Lab Sample ID: 580-71703-17

Date Collected: 09/27/17 10:45

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	465520	10/05/17 10:25	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465558	10/05/17 15:31	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 09:41	W1T	TAL SEA

Client Sample ID: MW-45_20170926

Lab Sample ID: 580-71703-18

Date Collected: 09/26/17 11:40

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465650	10/05/17 16:10	C1A	TAL NSH
Total/NA	Analysis	NWTPH-Gx		5	465558	10/05/17 13:31	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 20:17	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-48_20170926

Lab Sample ID: 580-71703-19

Date Collected: 09/26/17 10:50

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 04:38	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/05/17 04:55	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 20:45	TL1	TAL SEA

Client Sample ID: MW-49_20170926

Lab Sample ID: 580-71703-20

Date Collected: 09/26/17 10:30

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/03/17 23:27	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/04/17 17:51	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 21:13	TL1	TAL SEA

Client Sample ID: MW-50_20170926

Lab Sample ID: 580-71703-21

Date Collected: 09/26/17 10:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 03:38	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/04/17 20:56	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 21:41	TL1	TAL SEA

Client Sample ID: MW-51_20170928

Lab Sample ID: 580-71703-22

Date Collected: 09/28/17 10:25

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 04:05	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/04/17 21:26	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 11:05	W1T	TAL SEA

Client Sample ID: MW-52_20170928

Lab Sample ID: 580-71703-23

Date Collected: 09/28/17 09:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	465124	10/04/17 08:29	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465566	10/05/17 20:57	GWM	TAL NSH

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-52_20170928

Lab Sample ID: 580-71703-23

Date Collected: 09/28/17 09:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 11:34	W1T	TAL SEA

Client Sample ID: MW-53_20170928

Lab Sample ID: 580-71703-24

Date Collected: 09/28/17 09:00

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	465124	10/04/17 09:22	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		25	465566	10/05/17 22:59	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 12:03	W1T	TAL SEA

Client Sample ID: MW-55_20170927

Lab Sample ID: 580-71703-25

Date Collected: 09/27/17 12:00

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 07:10	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465566	10/05/17 17:53	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 12:32	W1T	TAL SEA

Client Sample ID: MW-56_20170927

Lab Sample ID: 580-71703-26

Date Collected: 09/27/17 11:45

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	465124	10/04/17 08:56	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		25	465566	10/05/17 23:30	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 13:00	W1T	TAL SEA

Client Sample ID: MW-57_20170926

Lab Sample ID: 580-71703-27

Date Collected: 09/26/17 15:45

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 06:43	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465566	10/05/17 18:23	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 22:09	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-58_20170926

Lab Sample ID: 580-71703-28

Date Collected: 09/26/17 15:25

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 04:31	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 00:30	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 22:37	TL1	TAL SEA

Client Sample ID: MW-59_20170928

Lab Sample ID: 580-71703-29

Date Collected: 09/28/17 11:00

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 04:58	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 07:09	GWM	TAL NSH
Total/NA	Prep	3510C			258124	10/05/17 08:52	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258173	10/06/17 14:55	W1T	TAL SEA

Client Sample ID: MW-60_20170926

Lab Sample ID: 580-71703-30

Date Collected: 09/26/17 14:50

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 05:24	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 01:01	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 23:05	TL1	TAL SEA

Client Sample ID: MW-61_20170926

Lab Sample ID: 580-71703-31

Date Collected: 09/26/17 15:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/03/17 23:53	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 01:32	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/05/17 23:32	TL1	TAL SEA

Client Sample ID: MW-62_20170926

Lab Sample ID: 580-71703-32

Date Collected: 09/26/17 15:35

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/04/17 00:20	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 02:03	GWM	TAL NSH

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-62_20170926

Lab Sample ID: 580-71703-32

Date Collected: 09/26/17 15:35

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/06/17 00:00	TL1	TAL SEA

Client Sample ID: MW-63_20170927

Lab Sample ID: 580-71703-33

Date Collected: 09/27/17 14:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/04/17 00:46	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 02:33	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/06/17 20:58	TL1	TAL SEA

Client Sample ID: MW-64_20170927

Lab Sample ID: 580-71703-34

Date Collected: 09/27/17 09:55

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 05:05	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/05/17 05:24	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/06/17 21:26	TL1	TAL SEA

Client Sample ID: MW-65_20170927

Lab Sample ID: 580-71703-35

Date Collected: 09/27/17 13:20

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	465156	10/04/17 03:51	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465566	10/05/17 21:27	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/06/17 21:54	TL1	TAL SEA

Client Sample ID: MW-66_20170927

Lab Sample ID: 580-71703-36

Date Collected: 09/27/17 13:40

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	465156	10/04/17 02:32	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		5	465566	10/05/17 18:54	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/06/17 22:22	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-67_20170927

Lab Sample ID: 580-71703-37

Date Collected: 09/27/17 12:15

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 07:36	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		5	465566	10/05/17 19:25	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/06/17 23:18	TL1	TAL SEA

Client Sample ID: MW-68_20170927

Lab Sample ID: 580-71703-38

Date Collected: 09/27/17 14:30

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 06:17	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 09:12	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/06/17 23:46	TL1	TAL SEA

Client Sample ID: MW-69_20170927

Lab Sample ID: 580-71703-39

Date Collected: 09/27/17 15:10

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 03:12	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 05:07	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/07/17 00:14	TL1	TAL SEA

Client Sample ID: MW-70_20170926

Lab Sample ID: 580-71703-40

Date Collected: 09/26/17 14:40

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 05:51	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 09:43	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/06/17 00:55	TL1	TAL SEA

Client Sample ID: MW-71_20170927

Lab Sample ID: 580-71703-41

Date Collected: 09/27/17 09:30

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 05:31	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/05/17 05:54	GWM	TAL NSH

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: MW-71_20170927

Lab Sample ID: 580-71703-41

Date Collected: 09/27/17 09:30

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/07/17 01:38	TL1	TAL SEA

Client Sample ID: AG-WELL_20170927

Lab Sample ID: 580-71703-42

Date Collected: 09/27/17 15:40

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 04:11	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/05/17 06:23	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/07/17 02:05	TL1	TAL SEA

Client Sample ID: Trip Blank-1

Lab Sample ID: 580-71703-43

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/03/17 21:15	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/04/17 11:39	GWM	TAL NSH

Client Sample ID: Trip Blank-2

Lab Sample ID: 580-71703-44

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/03/17 21:41	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/04/17 12:10	GWM	TAL NSH

Client Sample ID: Trip Blank-3

Lab Sample ID: 580-71703-45

Date Collected: 09/26/17 00:00

Matrix: Water

Date Received: 09/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/03/17 22:08	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/04/17 12:41	GWM	TAL NSH

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Trip Blank-4

Date Collected: 09/26/17 00:00

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-46

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465520	10/05/17 03:45	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/04/17 16:30	GWM	TAL NSH

Client Sample ID: Trip Blank-5

Date Collected: 09/26/17 00:00

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-47

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465392	10/04/17 23:18	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465203	10/04/17 17:00	GWM	TAL NSH

Client Sample ID: Dup-1

Date Collected: 09/26/17 06:00

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465156	10/04/17 01:39	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 10:14	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/06/17 01:23	TL1	TAL SEA

Client Sample ID: Dup-2

Date Collected: 09/26/17 06:30

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-49

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465650	10/05/17 15:43	C1A	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 10:44	GWM	TAL NSH
Total/NA	Prep	3510C			258083	10/04/17 14:31	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258170	10/06/17 01:51	TL1	TAL SEA

Client Sample ID: Dup-3

Date Collected: 09/27/17 06:30

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465124	10/04/17 09:49	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	465201	10/05/17 11:15	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/07/17 02:33	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Client Sample ID: Dup-4

Date Collected: 09/27/17 06:15

Date Received: 09/29/17 14:00

Lab Sample ID: 580-71703-51

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	465156	10/04/17 04:17	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	465566	10/05/17 21:58	GWM	TAL NSH
Total/NA	Prep	3510C			258183	10/05/17 13:41	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	258323	10/07/17 03:01	TL1	TAL SEA

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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

Accreditation/Certification Summary

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C553	02-17-18
Analysis Method	Prep Method	Matrix	Analyte	

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	A2LA		NA: NELAP & A2LA	12-31-17
A2LA	ISO/IEC 17025		0453.07	12-31-17
Alaska (UST)	State Program	10	UST-087	01-01-18
Arizona	State Program	9	AZ0473	05-05-18
Arkansas DEQ	State Program	6	88-0737	04-25-18
California	State Program	9	2938	10-31-18
Connecticut	State Program	1	PH-0220	12-31-17
Florida	NELAP	4	E87358	06-30-18
Georgia	State Program	4	E87358(FL)/453.07(A2L A)	12-31-17
Illinois	NELAP	5	200010	12-09-17
Iowa	State Program	7	131	04-01-18
Kansas	NELAP	7	E-10229	10-31-17
Kentucky (UST)	State Program	4	19	06-30-18
Kentucky (WW)	State Program	4	90038	12-31-17
Louisiana	NELAP	6	30613	06-30-18
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-18
Massachusetts	State Program	1	M-TN032	06-30-18
Minnesota	NELAP	5	047-999-345	12-31-17
Mississippi	State Program	4	N/A	06-30-18
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-18
New Hampshire	NELAP	1	2963	10-09-17 *
New Jersey	NELAP	2	TN965	06-30-18
New York	NELAP	2	11342	03-31-18
North Carolina (WW/SW)	State Program	4	387	12-31-17
North Dakota	State Program	8	R-146	06-30-18
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-18
Oregon	NELAP	10	TN200001	04-27-18
Pennsylvania	NELAP	3	68-00585	06-30-18
Rhode Island	State Program	1	LAO00268	12-30-17
South Carolina	State Program	4	84009 (001)	02-28-18
South Carolina (Do Not Use - DW)	State Program	4	84009 (002)	12-16-17
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-18
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-18
Virginia	NELAP	3	460152	06-14-18
Washington	State Program	10	C789	07-19-18

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

TestAmerica Seattle

Accreditation/Certification Summary

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Laboratory: TestAmerica Nashville (Continued)

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

Authority	Program	EPA Region	Identification Number	Expiration Date
West Virginia DEP	State Program	3	219	02-28-18
Wisconsin	State Program	5	998020430	08-31-18
Wyoming (UST)	A2LA	8	453.07	12-31-17

Sample Summary

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-71703-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-71703-1	IW-1_20170926	Water	09/26/17 11:00	09/29/17 14:00
580-71703-2	MW-18_20170926	Water	09/26/17 12:00	09/29/17 14:00
580-71703-3	MW-19_20170927	Water	09/27/17 14:00	09/29/17 14:00
580-71703-4	MW-20_20170926	Water	09/26/17 09:55	09/29/17 14:00
580-71703-5	MW-21_20170926	Water	09/26/17 09:30	09/29/17 14:00
580-71703-6	MW-22_20170927	Water	09/27/17 10:30	09/29/17 14:00
580-71703-7	MW-23_20170927	Water	09/27/17 09:30	09/29/17 14:00
580-71703-8	MW-25_20170926	Water	09/26/17 11:25	09/29/17 14:00
580-71703-9	MW-27_20170928	Water	09/28/17 09:50	09/29/17 14:00
580-71703-10	MW-29_20170928	Water	09/28/17 10:05	09/29/17 14:00
580-71703-11	MW-31_20170928	Water	09/28/17 09:45	09/29/17 14:00
580-71703-12	MW-32_20170928	Water	09/28/17 10:10	09/29/17 14:00
580-71703-13	MW-35_20170928	Water	09/28/17 09:25	09/29/17 14:00
580-71703-14	MW-38_20170926	Water	09/26/17 11:10	09/29/17 14:00
580-71703-15	MW-41_20170927	Water	09/27/17 11:30	09/29/17 14:00
580-71703-16	MW-43_20170927	Water	09/27/17 11:15	09/29/17 14:00
580-71703-17	MW-44_20170927	Water	09/27/17 10:45	09/29/17 14:00
580-71703-18	MW-45_20170926	Water	09/26/17 11:40	09/29/17 14:00
580-71703-19	MW-48_20170926	Water	09/26/17 10:50	09/29/17 14:00
580-71703-20	MW-49_20170926	Water	09/26/17 10:30	09/29/17 14:00
580-71703-21	MW-50_20170926	Water	09/26/17 10:10	09/29/17 14:00
580-71703-22	MW-51_20170928	Water	09/28/17 10:25	09/29/17 14:00
580-71703-23	MW-52_20170928	Water	09/28/17 09:10	09/29/17 14:00
580-71703-24	MW-53_20170928	Water	09/28/17 09:00	09/29/17 14:00
580-71703-25	MW-55_20170927	Water	09/27/17 12:00	09/29/17 14:00
580-71703-26	MW-56_20170927	Water	09/27/17 11:45	09/29/17 14:00
580-71703-27	MW-57_20170926	Water	09/26/17 15:45	09/29/17 14:00
580-71703-28	MW-58_20170926	Water	09/26/17 15:25	09/29/17 14:00
580-71703-29	MW-59_20170928	Water	09/28/17 11:00	09/29/17 14:00
580-71703-30	MW-60_20170926	Water	09/26/17 14:50	09/29/17 14:00
580-71703-31	MW-61_20170926	Water	09/26/17 15:10	09/29/17 14:00
580-71703-32	MW-62_20170926	Water	09/26/17 15:35	09/29/17 14:00
580-71703-33	MW-63_20170927	Water	09/27/17 14:10	09/29/17 14:00
580-71703-34	MW-64_20170927	Water	09/27/17 09:55	09/29/17 14:00
580-71703-35	MW-65_20170927	Water	09/27/17 13:20	09/29/17 14:00
580-71703-36	MW-66_20170927	Water	09/27/17 13:40	09/29/17 14:00
580-71703-37	MW-67_20170927	Water	09/27/17 12:15	09/29/17 14:00
580-71703-38	MW-68_20170927	Water	09/27/17 14:30	09/29/17 14:00
580-71703-39	MW-69_20170927	Water	09/27/17 15:10	09/29/17 14:00
580-71703-40	MW-70_20170926	Water	09/26/17 14:40	09/29/17 14:00
580-71703-41	MW-71_20170927	Water	09/27/17 09:30	09/29/17 14:00
580-71703-42	AG-WELL_20170927	Water	09/27/17 15:40	09/29/17 14:00
580-71703-43	Trip Blank-1	Water	09/26/17 00:00	09/29/17 14:00
580-71703-44	Trip Blank-2	Water	09/26/17 00:00	09/29/17 14:00
580-71703-45	Trip Blank-3	Water	09/26/17 00:00	09/29/17 14:00
580-71703-46	Trip Blank-4	Water	09/26/17 00:00	09/29/17 14:00
580-71703-47	Trip Blank-5	Water	09/26/17 00:00	09/29/17 14:00
580-71703-48	Dup-1	Water	09/26/17 06:00	09/29/17 14:00
580-71703-49	Dup-2	Water	09/26/17 06:30	09/29/17 14:00
580-71703-50	Dup-3	Water	09/27/17 06:30	09/29/17 14:00
580-71703-51	Dup-4	Water	09/27/17 06:15	09/29/17 14:00

TestAmerica Seattle



Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company
BP/ARC Facility No: Allen Station

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

Lab Name: <u>Test America</u>				BP/ARC Facility Address: <u>16292 Ovenell Road</u>				Consultant/Contractor: <u>Antea Group</u>			
Lab Address: <u>Tacoma, WA</u>				City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>				Consultant/Contractor Project No: <u>WAALLAA271.10123</u>			
Lab PM: <u>Elaine Walker</u>				Lead Regulatory Agency: <u>WA Department of Ecology</u>				Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>			
Lab Phone: <u>253.248.4972</u>				California Global ID No.: <u>NA</u>				Consultant/Contractor PM: <u>Megan Richard</u>			
Lab Shipping Acct: <u>NA</u>				Enfos Proposal No: <u>WR313781/008HW-0006</u>				Phone: <u>P: 425.498.7711 F: 425.869.1892</u>			
Lab Bottle Order No: <u>NA</u>				Accounting Mode: Provision ☒ OOC-BU ☐ OOC-RM ☐				Email EDD To: <u>Megan.Richard@anteagroup.com</u>			
Other Info: <u>elaine.walker@testamericainc.com</u>				Stage: <u>APPRAISE (10)</u> Activity: <u>INTERIM MEASURES (123)</u>				Invoice To: <u>BP/ARC</u> ☒ Contractor ☐			

BP/ARC EBM:				Matrix			No. Containers / Preservative							Requested Analyses										Report Type & QC Level				
EBM Phone:				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-Gx	NWTPH-DX											Standard <u>Y</u>	
EBM Email:																											Full Data Package ☐	
Lab No.	Sample Description	Date	Time																								Comments	
	MW-23_201709 <u>27</u>	9/ <u>27</u> /17	<u>0930</u>		X		<u>24</u>				<u>24</u>			X	X	X											MS/MSD Taken	
	MW-25_201709 <u>26</u>	9/ <u>26</u> /17	<u>1125</u>		X		<u>8</u>				<u>8</u>			X	X	X												
	MW-27_201709 <u>28</u>	9/ <u>28</u> /17	<u>0950</u>		X		<u>24</u>				<u>24</u>			X	X	X											MS/MSD Taken	
	MW-28_201709	9/ /17			X									X	X	X											NO SAMPLE - KD	
	MW-29_201709 <u>28</u>	9/ <u>28</u> /17	<u>1005</u>		X		<u>8</u>				<u>8</u>			X	X	X												
	MW-31_201709 <u>28</u>	9/ <u>28</u> /17	<u>0945</u>		X		<u>8</u>				<u>8</u>			X	X	X												
	MW-32_201709 <u>28</u>	9/ <u>28</u> /17	<u>1010</u>		X		<u>8</u>				<u>8</u>			X	X	X												
	MW-34_201709	9/ /17			X									X	X	X											NO SAMPLE - KD	
	MW-35_201709 <u>28</u>	9/ <u>28</u> /17	<u>0925</u>		X		<u>8</u>				<u>8</u>			X	X	X												
	MW-36_201709	9/ /17			X									X	X	X											NO SAMPLE - KD	

Sampler's Name: <u>Kenneth Davis</u>		Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: <u>Antea Group</u>		<u>KD Antea</u>		<u>9.29.17</u>	<u>1400</u>	<u>221 / TASEH</u>		<u>9/29/17</u>	<u>1400</u>
Shipment Method:		Ship Date:							
Shipment Tracking No:									

Special Instructions:

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



Laboratory Management Program LaMP Chain of Custody Record

Page 5 of 6

BP/ARC Project Name: Olympic Pipe Line CompanyReq Due Date (mm/dd/yy): StandardRush TAT: Yes No BP/ARC Facility No: Allen StationLab Work Order Number:

Lab Name: <u>Test America</u>				BP/ARC Facility Address: <u>16292 Ovenell Road</u>				Consultant/Contractor: <u>Antea Group</u>															
Lab Address: <u>Tacoma, WA</u>				City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>				Consultant/Contractor Project No: <u>WAALLAA271.10123</u>															
Lab PM: <u>Elaine Walker</u>				Lead Regulatory Agency: <u>WA Department of Ecology</u>				Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>															
Lab Phone: <u>253.248.4972</u>				California Global ID No.: <u>NA</u>				Consultant/Contractor PM: <u>Megan Richard</u>															
Lab Shipping Acct: <u>NA</u>				Enfos Proposal No: <u>WR313781/00BHW-0006</u>				Phone: P: <u>425.498.7711</u> F: <u>425.869.1892</u>															
Lab Bottle Order No: <u>NA</u>				Accounting Mode: Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>				Email EDD To: <u>Megan.Richard@anteagroup.com</u>															
Other Info: <u>elaine.walker@testamericainc.com</u>				Stage: <u>APPRAISE (10)</u> Activity: <u>INTERIM MEASURES (123)</u>				Invoice To: BP/ARC <u>X</u> Contractor <u> </u>															
BP/ARC EBM:				Matrix		No. Containers / Preservative			Requested Analyses						Report Type & QC Level								
EBM Phone:															Standard <u>Y</u>								
EBM Email:															Full Data Package <u> </u>								
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-GX	NWTPH-DX	Comments Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.						
	MW-64_201709 27	9/27 /17	0955	X			8				8			X	X	X							
	MW-65_201709 27	9/27 /17	1320	X			8				8			X	X	X							
	MW-66_201709 27	9/27 /17	1340	X			8				8			X	X	X							
	MW-67_201709 27	9/27 /17	1215	X			8				8			X	X	X							
	MW-68_201709 27	9/27 /17	1430	X			8				8			X	X	X							
	MW-69_201709 27	9/27 /17	1510	X			34				24			X	X	X		MS/MSD Taken					
	MW-70_201709 26	9/26 /17	1440	X			8				8			X	X	X							
	MW-71_201709 27	9/27 /17	0930	X			8				8			X	X	X							
	AG-Well_201709 27	9/27 /17	1540	X			8				8			X	X	X							
	Trip Blank-1	9/26 /17	0000	X			6				6			X	X								
Sampler's Name: <u>Kenneth Davis</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time								
Sampler's Company: <u>Antea Group</u>				<u>YK Antea</u>				<u>9-29-17</u>	<u>1400</u>	<u>ZZZ TASEH</u>				<u>9/29/17</u>	<u>1400</u>								
Shipment Method:				Ship Date:																			
Shipment Tracking No:																							
Special Instructions:																							
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: <u> </u> °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No																							



Laboratory Management Program LaMP Chain of Custody Record

Page 6 of 6

BP/ARC Project Name: Olympic Pipe Line CompanyReq Due Date (mm/dd/yy): Standard Rush TAT: Yes ☐ No ☐BP/ARC Facility No: Allen Station

Lab Work Order Number: _____

Lab Name: <u>Test America</u>				BP/ARC Facility Address: <u>16292 Ovenell Road</u>				Consultant/Contractor: <u>Antea Group</u>														
Lab Address: <u>Tacoma, WA</u>				City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>				Consultant/Contractor Project No: <u>WAALLAA271.10123</u>														
Lab PM: <u>Elaine Walker</u>				Lead Regulatory Agency: <u>WA Department of Ecology</u>				Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>														
Lab Phone: <u>253.248.4972</u>				California Global ID No.: <u>NA</u>				Consultant/Contractor PM: <u>Megan Richard</u>														
Lab Shipping Acct: <u>NA</u>				Enfos Proposal No: <u>WR313781/00BHW-0006</u>				Phone: P: <u>425.498.7711</u> F: <u>425.869.1892</u>														
Lab Bottle Order No: <u>NA</u>				Accounting Mode: Provision ☒ OOC-BU ☐ OOC-RM ☐				Email EDD To: <u>Megan.Richard@anteagroup.com</u>														
Other Info: <u>elaine.walker@testamericainc.com</u>				Stage: <u>APPRAISE (10)</u> Activity: <u>INTERIM MEASURES (123)</u>				Invoice To: BP/ARC ☒ Contractor ☐														
BP/ARC EBM:				Matrix		No. Containers / Preservative		Requested Analyses						Report Type & QC Level								
EBM Phone:														Standard <u>Y</u>								
EBM Email:														Full Data Package ☐								
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-GX	NWTPH-DX	Comments					
	Trip Blank-2	9/26/17	0000		X		6				6			X	X							
	Trip Blank-3	9/26/17	0000		X		6				6			X	X							
	Trip Blank-4	9/26/17	0000		X		6				6			X	X							
	Trip Blank-5	9/26/17	0000		X		6				6			X	X							
	Dup-1	9/26/17	0600		X		8				8			X	X	X						
	Dup-2	9/26/17	0630		X		8				8			X	X	X						
	Dup-3	9/27/17	0630		X		8				8			X	X	X						
	Dup-4	9/27/17	0615		X		8				8			X	X	X						
	Dup-5-201709	9/27/17			X									X	X	X		NO SAMPLE - KD				
Sampler's Name: <u>Kenneth Davis</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time							
Sampler's Company: <u>Antea Group</u>				<u>Kenneth Davis Antea</u>				<u>9-29-17</u>	<u>1400</u>	<u>TA-SEH</u>				<u>9/29/17</u>	<u>1400</u>							
Shipment Method:				Ship Date:																		
Shipment Tracking No:																						
Special Instructions:																						
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: _____ °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No																						

TB H2 Cooler Cor 2.4 Unc 3.1
Cooler Dsc Ly B/a @Lab 1730
Wet/Packs Packing B.b.b/a
w/o

TB H2 Cooler Cor 1.4 Unc 2.6
Cooler Dsc Ly B/a @Lab 1730
Wet/Packs Packing B.b.b/a
w/o

TB H2 Cooler Cor 2.4 Unc 3.1
Cooler Dsc Ly B/a @Lab 1730
Wet/Packs Packing B.b.b/a
w/o

TB H2 Cooler Cor 2.2 Unc 2.4
Cooler Dsc Ly B/a @Lab 1730
Wet/Packs Packing B.b.b/a
w/o

TB H2 Cooler Cor 2.4 Unc 3.6
Cooler Dsc Ly B/a @Lab 1730
Wet/Packs Packing B.b.b/a
w/o

TB H2 Cooler Cor 1.7 Unc 2.4
Cooler Dsc Ly B/a @Lab 1730
Wet/Packs Packing B.b.b/a
w/o

TB H2 Cooler Cor 0.5 Unc 1.2
Cooler Dsc Ly Green @Lab 1730
Wet/Packs Packing B.b.b/a
w/o

TB H2 Cooler Cor 1.5 Unc 2.2
Cooler Dsc Ly B/a @Lab 1730
Wet/Packs Packing B.b.b/a
w/o



COOLER RECEIPT FORM

Cooler Received/Opened On 10-03-2017 @ 10:05

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 0484 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 31470366 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 5.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA 1 (front)

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA es

6. Were custody papers inside cooler? YES...NO...NA es

I certify that I opened the cooler and answered questions 1-6 (initial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA es

Were these signed and dated correctly? YES...NO...NA es

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA es

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA es

12. Did all container labels and tags agree with custody papers? YES...NO...NA es

13a. Were VOA vials received? YES...NO...NA es

b. Was there any observable headspace present in any VOA vial? YES NO es 10317



Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) _____ es

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA es

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA es

16. Was residual chlorine present? YES...NO...NA es

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) _____ es

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA es

18. Did you sign the custody papers in the appropriate place? YES...NO...NA es

19. Were correct containers used for the analysis requested? YES...NO...NA es

20. Was sufficient amount of sample sent in each container? YES...NO...NA es

I certify that I entered this project into LIMS and answered questions 17-20 (initial) _____ es

I certify that I attached a label with the unique LIMS number to each container (initial) _____ es

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# es

TestAmerica Seattle

5755 8th Street East
Tacoma, WA 98424
Phone (253) 922-2310 Fax (253) 922-5047

Chain of Custody Record

580-71703

tAmerica
IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler: Lab P/W: Walker, Elaine M		Page: 37.1					
Client Contact: Shipping/Receiving		E-Mail: elaine.walker@testamerica.com		Page 1 of 7					
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): State Program - Washington		Job #: 580-71703-1					
Address: 2960 Foster Creighton Drive, Nashville, TN, 37204		Due Date Requested: 10/11/2017		Analysis Requested					
Phone: 615-726-0177(Tel) 615-726-3404(Fax)		TAT Requested (days):		Preservation Codes:					
Email:		PO #:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)					
Project Name: BP - OPLC - Allen Station		Project #: 58007597		Other:					
Site: Allen Station		SSOV#:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other)	Field Filtered Sample (Yes or No)	8260C/5030C (MOD) 8260C BTEX Volatiles	NWTPH_GX/5030B C6-C12 Range	Total Number of Containers	Special Instructions/Note:
IW-1_20170926 (580-71703-1)	9/26/17	11:00 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-18_20170926 (580-71703-2)	9/26/17	12:00 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-19_20170927 (580-71703-3)	9/27/17	14:00 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-20_20170926 (580-71703-4)	9/26/17	09:55 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-21_20170926 (580-71703-5)	9/26/17	09:30 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-22_20170927 (580-71703-6)	9/27/17	10:30 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-23_20170927 (580-71703-7)	9/27/17	09:30 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-23_20170927 (580-71703-7MS)	9/27/17	09:30 Pacific	MS	Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-23_20170927 (580-71703-7MSD)	9/27/17	09:30 Pacific	MSD	Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Unconfirmed		Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Primary Deliverable Rank: 2		Method of Shipment:	
Empty Kit Relinquished by:		Date:	
Relinquished by: Tom Blanks		Date/Time: 10/2/17	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks: 5-9		Company:	

TestAmerica Seattle

5755 8th Street East
Tacoma, WA 98424
Phone (253) 922-2310 Fax (253) 922-5047

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler:		Lab Pmt:		Carrier Tracking No(s):		COC No:	
Client Contact:		Walker, Elaine M		E-Mail:		State of Origin:		580-50187.6	
Shipping/Receiving		elaine.walker@testamericainc.com		Accreditations Required (See note):		State Program - Washington		Page 6 of 7	
Company:		TestAmerica Laboratories, Inc		Due Date Requested:		TAT Requested (days):		Job #:	
Address:		2960 Foster Creighton Drive,		10/11/2017				580-71703-1	
City:		Nashville						Preservation Codes:	
State, Zip:		TN, 37204						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)	
Phone:		615-726-0177(Tel) 615-726-3404(Fax)		PO #:				Other:	
Email:				WO #:					
Project Name:		BP - OPLC - Allen Station		Project #:		58007597			
Site:		Allen Station		SSOW#:					

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, S=solid, O=waste/oli, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Bottom MS/MSD (Yes or No)	8260C/5030C (MOD) 8260C BTEX Volatiles	NMTPH Gx/5030B C6-C12 Range	Total Number of Containers	Special Instructions/Note:
MW-69_20170927 (580-71703-39MS)	9/27/17	15:10 Pacific	MS	Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-69_20170927 (580-71703-39MSD)	9/27/17	15:10 Pacific	MSD	Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-70_20170926 (580-71703-40)	9/26/17	14:40 Pacific		Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-71_20170927 (580-71703-41)	9/27/17	09:30 Pacific		Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
AG-WELL_20170927 (580-71703-42)	9/27/17	15:40 Pacific		Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
Trip Blank-1 (580-71703-43)	9/26/17	Pacific		Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
Trip Blank-2 (580-71703-44)	9/26/17	Pacific		Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
Trip Blank-3 (580-71703-45)	9/26/17	Pacific		Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
Trip Blank-4 (580-71703-46)	9/26/17	Pacific		Water	X	X	X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Unconfirmed		Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Time:	
Relinquished by: Tom Blanton		Date: 10/2/17	
Relinquished by:		Date: 10/3/17 10:05	
Relinquished by:		Date: 10/3/17 10:05	
Relinquished by:		Date: 10/3/17 10:05	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks:		5.9	

TestAmerica Seattle

5755 8th Street East
Tacoma, WA 98424
Phone (253) 922-2310 Fax (253) 922-5047

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)				Lab PM: Walker, Elaine M		Carrier Tracking No(s): 580-50187.5		COC No: 580-50187.5		
Client Contact: Shipping/Receiving				E-Mail: elaine.walker@testamericainc.com		State of Origin: Washington		Page: Page 5 of 7		
Company: TestAmerica Laboratories, Inc				Accreditations Required (See note): State Program - Washington		Job #: 580-71703-1		Preservation Codes:		
Address: 2960 Foster Creighton Drive, Nashville, TN, 37204				Due Date Requested: 10/11/2017		Analysis Requested		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify)		
Phone: 615-726-0177(Tel) 615-726-3404(Fax)				TAT Requested (days):		Loc: 580 71703		Other:		
Email:				PO #:						
Project Name: BP - OPLC - Allen Station				WO #:						
Site: Allen Station				Project #:						
SSOW#:				58007597						
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=biogas, A=air)	Field Filtered Sample (Yes or No)	8260C/5030C (MOD) 8260C BTEX Volatiles	NWTPH Gx/5030B C6-C12 Range	Total Number of Containers	Special Instructions/Note:
MW-61_20170926 (580-71703-31)		9/26/17	15:10 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-62_20170926 (580-71703-32)		9/26/17	15:35 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-63_20170927 (580-71703-33)		9/27/17	14:10 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-64_20170927 (580-71703-34)		9/27/17	09:55 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-65_20170927 (580-71703-35)		9/27/17	13:20 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-66_20170927 (580-71703-36)		9/27/17	13:40 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-67_20170927 (580-71703-37)		9/27/17	12:15 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-68_20170927 (580-71703-38)		9/27/17	14:30 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-69_20170927 (580-71703-39)		9/27/17	15:10 Pacific		Water		X	X	6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment
Relinquished by: Tom Blum		10/2/17		Company
Relinquished by:				Company
Relinquished by:				Company
Custody Seals Intact: A Yes A No		Cooler Temperature(s) °C and Other Remarks: 5.9		

TestAmerica Seattle

5755 8th Street East
Tacoma, WA 98424
Phone (253) 922-2310 Fax (253) 922-5047

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving: Company: Address: City: State: TN, 37204 Phone: 615-726-0177(Tel) 615-726-3404(Fax) Email: Project Name: BP - OPLC - Allen Station Site: Allen Station		Lab PM: Walker, Elaine M E-Mail: elaine.walker@testamericainc.com Accreditations Required (See note): State Program - Washington		Carrier Tracking No(s): 580-50187.4 State of Origin: Washington Job #: 580-71703-1															
Due Date Requested: 10/11/2017 TAT Requested (days): PO #: WO #: Project #: 58007597 SSOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify) Other:																	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix (W=Water, S=solid, O=wast/sol, L=LT-Tissue, A=Air)		Field Filtered Sample (Yes or No)		8260C/5030C (MOD) 8260C BTEX Volatiles		NWTPH_Gx/5030B C6-C12 Range		Total Number of Containers		Special Instructions/Note:	
MW-51_20170928 (580-71703-22)		9/28/17		10:25 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-52_20170928 (580-71703-23)		9/28/17		09:10 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-53_20170928 (580-71703-24)		9/28/17		09:00 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-55_20170927 (580-71703-25)		9/27/17		12:00 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-56_20170927 (580-71703-26)		9/27/17		11:45 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-57_20170926 (580-71703-27)		9/26/17		15:45 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-58_20170926 (580-71703-28)		9/26/17		15:25 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-59_20170928 (580-71703-29)		9/28/17		11:00 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	
MW-60_20170926 (580-71703-30)		9/26/17		14:50 Pacific				Water				X				6		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. 1

Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Empty Kit Relinquished by:		Date:	
Relinquished by: <i>Tom Blanton</i>		Date/Time: 10/2/17	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months		Special Instructions/QC Requirements:	
Method of Shipment:		Date/Time: 10-3-17 10:05	
Received by:		Date/Time:	
Received by:		Date/Time:	
Received by:		Date/Time:	
Cooler Temperature(s) °C and Other Remarks: 5.9		Company:	

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)				Lab PM: Walker, Elaine M		Carrier Tracking No(s): 580-50187.3		COC No: 580-50187.3				
Client Contact: Shipping/Receiving				E-Mail: elaine.walker@testamericainc.com		State of Origin: Washington		Page: Page 3 of 7				
Company: TestAmerica Laboratories, Inc						Accreditations Required (See note): State Program - Washington		Job #: 580-71703-1				
Address: 2360 Foster Creighton Drive, Nashville TN, 37204				Due Date Requested: 10/11/2017		Analysis Requested		Preservation Codes:				
City: Nashville				TAT Requested (days):				A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2SO4S Q - Na2SO3 R - MeOH S - H2SO4 T - TSP Dodecahydrate H - Ascorbic Acid U - Ice J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:				
Phone: 615-726-0177(Tel) 615-726-3404(Fax)				PO #:								
Email: 				WO #:								
Project Name: BP - OPLC - Allen Station				Project #: 58007597								
Site: Allen Station				SSOW#:								
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oils, BT=tissue, AS=air)	Field Filtered Sample (Yes or No)	8260C/5030C (MOD) 8260C BTEX Volatiles	NWTPH_Gx/5030B C6-C12 Range	Total Number of Containers	Special Instructions/Note:
MW-41_20170927 (580-71703-15)				9/27/17	11:30 Pacific		Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-43_20170927 (580-71703-16)				9/27/17	11:15 Pacific		Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-44_20170927 (580-71703-17)				9/27/17	10:45 Pacific		Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-44_20170927 (580-71703-17MS)				9/27/17	10:45 Pacific	MS	Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-44_20170927 (580-71703-17MSD)				9/27/17	10:45 Pacific	MSD	Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-45_20170926 (580-71703-18)				9/26/17	11:40 Pacific		Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-48_20170926 (580-71703-19)				9/26/17	10:50 Pacific		Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-49_20170926 (580-71703-20)				9/26/17	10:30 Pacific		Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.
MW-50_20170926 (580-71703-21)				9/26/17	10:10 Pacific		Water	X	X		6	BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification			
Unconfirmed			
Deliverable Requested: I, II, III, IV, Other (specify)			
Primary Deliverable Rank: 2			
Date: _____			
Empty Kit Relinquished by: _____			
Relinquished by: <i>[Signature]</i> Date/Time: 10/2/17			
Relinquished by: _____ Date/Time: _____			
Relinquished by: _____ Date/Time: _____			
Custody Seals Intact: A Yes A No			
Custody Seal No.: 59			

TestAmerica Seattle

5755 8th Street East
Tacoma, WA 98424
Phone (253) 922-2310 Fax (253) 922-5047

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 2960 Foster Creighton Drive, Nashville, TN, 37204 Phone: 615-726-0177(Tel) 615-726-3404(Fax) Email: Project Name: BP - OPLC - Allen Station Site: Allen Station		Lab PM: Walker, Elaine M E-Mail: elaine.walker@testamericainc.com State of Origin: Washington State Program - Washington		COC No: 580-50187.2 Page: Page 2 of 7 Job #: 580-71703-1	
Due Date Requested: 10/1/2017 TAT Requested (days): PO #: WO #: Project #: 58007597 SSOW#:		Analysis Requested Loc: 580 71703			
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		M - Hexane N - None O - AshAO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification - Client ID (Lab ID)		Total Number of Containers			
Sample Date		Sample Time		Sample Type (C=Comp, G=Grab) Matrix (Water, Seawater, Oil, etc.) Preservation Code:	
MW-25_20170926 (580-71703-8)		9/26/17 11:25 Pacific		Water	
MW-27_20170928 (580-71703-9)		9/28/17 09:50 Pacific		Water	
MW-27_20170928 (580-71703-9MS)		9/28/17 09:50 Pacific		MS	
MW-27_20170928 (580-71703-9MSD)		9/28/17 09:50 Pacific		MSD	
MW-29_20170928 (580-71703-10)		9/28/17 10:05 Pacific		Water	
MW-31_20170928 (580-71703-11)		9/28/17 09:45 Pacific		Water	
MW-32_20170928 (580-71703-12)		9/28/17 10:10 Pacific		Water	
MW-35_20170928 (580-71703-13)		9/28/17 09:25 Pacific		Water	
MW-38_20170926 (580-71703-14)		9/26/17 11:10 Pacific		Water	
Special Instructions/Note:		BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available. BP LaMP ICOC, Analyze LCS/LCSD if no MS/MSD volume is available.			

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Empty Kit Relinquished by:		Date:	
Relinquished by: Tom Blum		Date/Time: 10/2/17	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:	
Received by:		Date/Time: 10-3-17 10:05	
Received by:		Date/Time:	
Received by:		Date/Time:	
Cooler Temperature(s) °C and Other Remarks:		5.9	

TestAmerica

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Note: Since laboratory accreditations are subject to change, **TestAmerica Laboratories, Inc.** places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:

Relinquished by:

•

Relinquished by:

Reprinted by

Relinquished by.

Custody Seals Intact:	Custody Seal No.:
-----------------------	-------------------

580-71703



580-71703 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 10/4/2017 @ 1015

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 3153 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 17960357 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 22 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) es

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (Initial) es

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) es

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) es

I certify that I attached a label with the unique LIMS number to each container (Initial) es

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO # es

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-71703-1

Login Number: 71703

List Source: TestAmerica Seattle

List Number: 1

Creator: Bean, Dennis L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

Client: Antea USA, Inc.

Job Number: 580-71703-1

Login Number: 71703

List Number: 2

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 10/03/17 03:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-71703-1

Login Number: 71703

List Number: 3

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 10/03/17 04:29 PM

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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-71703-1

Login Number: 71703

List Number: 4

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 10/03/17 04:34 PM

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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-71703-1

Login Number: 71703

List Number: 5

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 10/04/17 01:48 PM

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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-71703-1

Login Number: 71703

List Number: 6

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 10/04/17 01:53 PM

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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-71703-1

Login Number: 71703

List Number: 7

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 10/04/17 02:00 PM

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.	N/A	
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	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-73261-1

Client Project/Site: BP - OPLC - Allen Station

Sampling Event: Allen Station Waters

For:

Antea USA, Inc.

4006 148th Ave NE

Redmond, Washington 98052

Attn: Megan Richard



Authorized for release by:

12/14/2017 3:48:50 PM

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

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

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The results listed in this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BP LaMP Technical Specification, applicable federal, state and local regulation and certification requirements as well as the methodologies as described in the laboratory SOPs reviewed by the BP LaMP. This Laboratory report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.



Kayse Zalmai
Project Manager I
12/14/2017 3:48:50 PM

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Case Narrative

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Job ID: 580-73261-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-73261-1

Receipt

The samples were received on 11/30/2017 2:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.7° C, 1.0° C, 1.4° C and 1.4° C.

GC/MS VOA

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-262801 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260C: The surrogate recovery for MB,LCS and MSD associated with analytical batch 580-262824 was outside the upper control limits.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 580-262917 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: Surrogate recovery for the following samples was outside of acceptance limits: MW-19_20171128 (580-73261-4), MW-20_20171128 (580-73261-5), MW-21_20171128 (580-73261-6), MW-35_20171128 (580-73261-7), MW-43_20171129 (580-73261-10), MW-44_20171129 (580-73261-11), MW-45_20171128 (580-73261-12), MW-54_20171128 (580-73261-13), MW-55_20171129 (580-73261-14), MW-55_20171129 (580-73261-14[MS]), MW-55_20171129 (580-73261-14[MSD]), MW-56_20171129 (580-73261-15), MW-57_20171129 (580-73261-16), MW-58_20171129 (580-73261-17), MW-59_20171129 (580-73261-18), MW-64_20171128 (580-73261-23), MW-66_20171128 (580-73261-24), MW-67_20171129 (580-73261-25), (CCVIS 580-263004/3), (LCS 580-263004/6) and (MB 580-263004/5). The samples were not re-analyzed due to none of the target analytes that refer to the failing surrogate Trifluorotoluene and Dibromofluoromethane being reported from this analysis.

Method(s) 8260C: The surrogate recovery for the LCS associated with batch 580-263261 was outside the upper control limits. All associated sample surrogate fell within acceptance criteria; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 580-262801 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-54_20171128 (580-73261-13), MW-55_20171129 (580-73261-14), MW-59_20171129 (580-73261-18), MW-60_20171129 (580-73261-19), MW-61_20171129 (580-73261-20), MW-62_20171129 (580-73261-21), MW-63_20171129 (580-73261-22), MW-68_20171129 (580-73261-26), MW-69_20171129 (580-73261-27), MW-71_20171128 (580-73261-29), AG-WELL_20171129 (580-73261-30), Trip Blank-1_20171129 (580-73261-31), Trip Blank-2_20171129 (580-73261-32), Trip Blank-3_20171129 (580-73261-33), Dup-2_20171129 (580-73261-35), Dup-3_20171129 (580-73261-36) and (CCVIS 580-262801/3).

Method(s) 8260C: The following continuing calibration verification (CCV) standard associated with batch 580-262824 recovered outside acceptance criteria for %D for surrogate Trifluorotoluene (Surr) which have %D 21.2 (%D Limit +/- 20). Since all the other surrogates were within %D criteria; therefore, the data have been reported. (CCVIS 580-262824/3)

Method(s) 8260C: Surrogate recovery for the following sample was outside the upper control limit: MW-70_20171129 (580-73261-28). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 624.1, 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Dup-1_20171128 (580-73261-34). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following continuing calibration verification (CCV) standard associated with batch 580-263004 recovered outside acceptance criteria for %D for surrogate Trifluorotoluene. Since all the other surrogates was within %D criteria; therefore, the data have been reported. (CCVIS 580-263004/3)

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range:

Case Narrative

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Job ID: 580-73261-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

MW-19_20171128 (580-73261-4), MW-21_20171128 (580-73261-6), MW-35_20171128 (580-73261-7), MW-43_20171129 (580-73261-10), MW-44_20171129 (580-73261-11), MW-45_20171128 (580-73261-12), MW-56_20171129 (580-73261-15), MW-66_20171128 (580-73261-24) and Dup-1_20171128 (580-73261-34). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples required a dilution due to the nature of the sample matrix: MW-19_20171128 (580-73261-4), MW-21_20171128 (580-73261-6), MW-35_20171128 (580-73261-7), MW-43_20171129 (580-73261-10), MW-44_20171129 (580-73261-11), MW-56_20171129 (580-73261-15) and MW-66_20171128 (580-73261-24). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-262824 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) NWTPH-Gx: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-263121 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) NWTPH-Gx: Surrogate recovery for the following samples was outside control limits: MW-19_20171128 (580-73261-4), MW-21_20171128 (580-73261-6), MW-35_20171128 (580-73261-7), MW-43_20171129 (580-73261-10), MW-44_20171129 (580-73261-11), MW-45_20171128 (580-73261-12), MW-56_20171129 (580-73261-15), MW-58_20171129 (580-73261-17), MW-59_20171129 (580-73261-18), MW-64_20171128 (580-73261-23), MW-66_20171128 (580-73261-24) and Dup-1_20171128 (580-73261-34). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method(s) NWTPH-Dx: The matrix spike (MS) recoveries for preparation batch 580-262859 and analytical batch 580-262913 were outside control limits for #2 Diesel (C10-C24). Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery was within acceptance limits.

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: C_20171128 (580-73261-1), MW-2_20171128 (580-73261-2), MW-14_20171128 (580-73261-3), MW-39_20171128 (580-73261-8) and AG-WELL_20171129 (580-73261-30).

Method(s) 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-19_20171128 (580-73261-4) and MW-21_20171128 (580-73261-6), MW-35_20171128 (580-73261-7), MW-43_20171129 (580-73261-10), MW-44_20171129 (580-73261-11), MW-45_20171128 (580-73261-12), MW-56_20171129 (580-73261-15), MW-57_20171129 (580-73261-16), MW-66_20171128 (580-73261-24), MW-67_20171129 (580-73261-25) and Dup-1_20171128 (580-73261-34).

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

Definitions/Glossary

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: C_20171128

Date Collected: 11/28/17 12:35

Date Received: 11/30/17 14:15

Lab Sample ID: 580-73261-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			12/06/17 17:39	1
Toluene	ND		2.0		ug/L			12/06/17 17:39	1
Ethylbenzene	ND		3.0		ug/L			12/06/17 17:39	1
Xylenes, Total	ND		3.0		ug/L			12/06/17 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	95		80 - 120		12/06/17 17:39	1
Toluene-d8 (Surr)	94		80 - 122		12/06/17 17:39	1
1,2-Dichloroethane-d4 (Surr)	117		80 - 126		12/06/17 17:39	1
4-Bromofluorobenzene (Surr)	93		75 - 125		12/06/17 17:39	1
Dibromofluoromethane (Surr)	108		77 - 120		12/06/17 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/06/17 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		77 - 128		12/06/17 03:16	1
4-Bromofluorobenzene (Surr)	94		58 - 133		12/06/17 03:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	160		100		ug/L		12/04/17 14:02	12/05/17 16:32	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/04/17 14:02	12/05/17 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	12/04/17 14:02	12/05/17 16:32	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-2_20171128

Lab Sample ID: 580-73261-2

Date Collected: 11/28/17 10:30

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			12/06/17 18:04	1
Toluene	ND		2.0		ug/L			12/06/17 18:04	1
Ethylbenzene	ND		3.0		ug/L			12/06/17 18:04	1
Xylenes, Total	ND		3.0		ug/L			12/06/17 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		80 - 120		12/06/17 18:04	1
Toluene-d8 (Surr)	107		80 - 122		12/06/17 18:04	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		12/06/17 18:04	1
4-Bromofluorobenzene (Surr)	89		75 - 125		12/06/17 18:04	1
Dibromofluoromethane (Surr)	105		77 - 120		12/06/17 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/06/17 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		77 - 128		12/06/17 03:48	1
4-Bromofluorobenzene (Surr)	93		58 - 133		12/06/17 03:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1500		100		ug/L		12/04/17 14:02	12/05/17 16:54	1
Motor Oil (>C24-C36)	860		260		ug/L		12/04/17 14:02	12/05/17 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150	12/04/17 14:02	12/05/17 16:54	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-14_20171128

Lab Sample ID: 580-73261-3

Date Collected: 11/28/17 12:20

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			12/06/17 18:29	1
Toluene	ND		2.0		ug/L			12/06/17 18:29	1
Ethylbenzene	ND		3.0		ug/L			12/06/17 18:29	1
Xylenes, Total	ND		3.0		ug/L			12/06/17 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		12/06/17 18:29	1
Toluene-d8 (Surr)	95		80 - 122		12/06/17 18:29	1
1,2-Dichloroethane-d4 (Surr)	118		80 - 126		12/06/17 18:29	1
4-Bromofluorobenzene (Surr)	91		75 - 125		12/06/17 18:29	1
Dibromofluoromethane (Surr)	106		77 - 120		12/06/17 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/06/17 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		77 - 128		12/06/17 04:20	1
4-Bromofluorobenzene (Surr)	93		58 - 133		12/06/17 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	230		100		ug/L		12/04/17 14:02	12/05/17 17:16	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/04/17 14:02	12/05/17 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		50 - 150	12/04/17 14:02	12/05/17 17:16	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-19_20171128

Lab Sample ID: 580-73261-4

Date Collected: 11/28/17 15:20

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	620		200		ug/L			12/07/17 22:55	100
Toluene	ND		200		ug/L			12/07/17 22:55	100
Ethylbenzene	970		300		ug/L			12/07/17 22:55	100
Xylenes, Total	ND		300		ug/L			12/07/17 22:55	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123	X	80 - 120		12/07/17 22:55	100
Toluene-d8 (Surr)	92		80 - 122		12/07/17 22:55	100
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		12/07/17 22:55	100
4-Bromofluorobenzene (Surr)	111		75 - 125		12/07/17 22:55	100
Dibromofluoromethane (Surr)	113		77 - 120		12/07/17 22:55	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9900		250		ug/L			12/06/17 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	146	X	77 - 128		12/06/17 04:52	1
4-Bromofluorobenzene (Surr)	297	X	58 - 133		12/06/17 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3000		100		ug/L		12/04/17 14:02	12/05/17 17:38	1
Motor Oil (>C24-C36)	ND		260		ug/L		12/04/17 14:02	12/05/17 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	12/04/17 14:02	12/05/17 17:38	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-20_20171128

Lab Sample ID: 580-73261-5

Date Collected: 11/28/17 10:55

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			12/06/17 18:54	1
Ethylbenzene	ND		3.0		ug/L			12/06/17 18:54	1
Xylenes, Total	ND		3.0		ug/L			12/06/17 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		12/06/17 18:54	1
Toluene-d8 (Surr)	97		80 - 122		12/06/17 18:54	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 126		12/06/17 18:54	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/06/17 18:54	1
Dibromofluoromethane (Surr)	106		77 - 120		12/06/17 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5		2.0		ug/L			12/07/17 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123	X	80 - 120		12/07/17 17:41	1
Toluene-d8 (Surr)	92		80 - 122		12/07/17 17:41	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		12/07/17 17:41	1
4-Bromofluorobenzene (Surr)	106		75 - 125		12/07/17 17:41	1
Dibromofluoromethane (Surr)	113		77 - 120		12/07/17 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/08/17 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		77 - 128		12/08/17 18:22	1
4-Bromofluorobenzene (Surr)	96		58 - 133		12/08/17 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/04/17 14:02	12/05/17 18:00	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/04/17 14:02	12/05/17 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	12/04/17 14:02	12/05/17 18:00	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-21_20171128

Lab Sample ID: 580-73261-6

Date Collected: 11/28/17 10:30

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		200		ug/L			12/07/17 23:23	100
Toluene	ND		200		ug/L			12/07/17 23:23	100
Ethylbenzene	500		300		ug/L			12/07/17 23:23	100
Xylenes, Total	ND		300		ug/L			12/07/17 23:23	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123	X	80 - 120		12/07/17 23:23	100
Toluene-d8 (Surr)	92		80 - 122		12/07/17 23:23	100
1,2-Dichloroethane-d4 (Surr)	100		80 - 126		12/07/17 23:23	100
4-Bromofluorobenzene (Surr)	113		75 - 125		12/07/17 23:23	100
Dibromofluoromethane (Surr)	113		77 - 120		12/07/17 23:23	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9600		250		ug/L			12/08/17 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	158	X	77 - 128		12/08/17 18:55	1
4-Bromofluorobenzene (Surr)	298	X	58 - 133		12/08/17 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4100		100		ug/L		12/04/17 14:02	12/05/17 18:22	1
Motor Oil (>C24-C36)	250		250		ug/L		12/04/17 14:02	12/05/17 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	60		50 - 150	12/04/17 14:02	12/05/17 18:22	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-35_20171128

Lab Sample ID: 580-73261-7

Date Collected: 11/28/17 15:40

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8800		200		ug/L			12/07/17 23:52	100
Toluene	580		200		ug/L			12/07/17 23:52	100
Ethylbenzene	1900		300		ug/L			12/07/17 23:52	100
Xylenes, Total	8000		300		ug/L			12/07/17 23:52	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123	X	80 - 120		12/07/17 23:52	100
Toluene-d8 (Surr)	93		80 - 122		12/07/17 23:52	100
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		12/07/17 23:52	100
4-Bromofluorobenzene (Surr)	111		75 - 125		12/07/17 23:52	100
Dibromofluoromethane (Surr)	111		77 - 120		12/07/17 23:52	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	48000		25000		ug/L			12/09/17 14:06	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		77 - 128		12/09/17 14:06	100
4-Bromofluorobenzene (Surr)	96		58 - 133		12/09/17 14:06	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4100		100		ug/L		12/05/17 15:02	12/06/17 19:53	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/06/17 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	12/05/17 15:02	12/06/17 19:53	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-39_20171128

Lab Sample ID: 580-73261-8

Date Collected: 11/28/17 11:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			12/06/17 19:19	1
Toluene	ND		2.0		ug/L			12/06/17 19:19	1
Ethylbenzene	ND		3.0		ug/L			12/06/17 19:19	1
Xylenes, Total	ND		3.0		ug/L			12/06/17 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		12/06/17 19:19	1
Toluene-d8 (Surr)	96		80 - 122		12/06/17 19:19	1
1,2-Dichloroethane-d4 (Surr)	115		80 - 126		12/06/17 19:19	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/06/17 19:19	1
Dibromofluoromethane (Surr)	103		77 - 120		12/06/17 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/08/17 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		77 - 128		12/08/17 19:59	1
4-Bromofluorobenzene (Surr)	94		58 - 133		12/08/17 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	100		100		ug/L		12/05/17 15:02	12/06/17 20:14	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/06/17 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	60		50 - 150	12/05/17 15:02	12/06/17 20:14	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-41_20171129

Lab Sample ID: 580-73261-9

Date Collected: 11/29/17 09:35

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			12/06/17 17:14	1
Toluene	ND		2.0		ug/L			12/06/17 17:14	1
Ethylbenzene	ND		3.0		ug/L			12/06/17 17:14	1
Xylenes, Total	ND		3.0		ug/L			12/06/17 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		12/06/17 17:14	1
Toluene-d8 (Surr)	95		80 - 122		12/06/17 17:14	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 126		12/06/17 17:14	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/06/17 17:14	1
Dibromofluoromethane (Surr)	103		77 - 120		12/06/17 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/08/17 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		77 - 128		12/08/17 20:31	1
4-Bromofluorobenzene (Surr)	94		58 - 133		12/08/17 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/05/17 15:02	12/06/17 20:36	1
Motor Oil (>C24-C36)	ND		260		ug/L		12/05/17 15:02	12/06/17 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	54		50 - 150	12/05/17 15:02	12/06/17 20:36	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-43_20171129

Lab Sample ID: 580-73261-10

Date Collected: 11/29/17 09:20

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/L			12/08/17 00:20	10
Toluene	ND		20		ug/L			12/08/17 00:20	10
Ethylbenzene	120		30		ug/L			12/08/17 00:20	10
Xylenes, Total	520		30		ug/L			12/08/17 00:20	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	122	X	80 - 120		12/08/17 00:20	10
Toluene-d8 (Surr)	94		80 - 122		12/08/17 00:20	10
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		12/08/17 00:20	10
4-Bromofluorobenzene (Surr)	109		75 - 125		12/08/17 00:20	10
Dibromofluoromethane (Surr)	114		77 - 120		12/08/17 00:20	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	25000		250		ug/L			12/08/17 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	117		77 - 128		12/08/17 21:03	1
4-Bromofluorobenzene (Surr)	237	X	58 - 133		12/08/17 21:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4700		100		ug/L		12/05/17 15:02	12/06/17 20:58	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/06/17 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	12/05/17 15:02	12/06/17 20:58	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-44_20171129

Lab Sample ID: 580-73261-11

Date Collected: 11/29/17 09:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/L			12/08/17 00:49	10
Toluene	ND		20		ug/L			12/08/17 00:49	10
Ethylbenzene	480		30		ug/L			12/08/17 00:49	10
Xylenes, Total	48		30		ug/L			12/08/17 00:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	125	X	80 - 120		12/08/17 00:49	10
Toluene-d8 (Surr)	90		80 - 122		12/08/17 00:49	10
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		12/08/17 00:49	10
4-Bromofluorobenzene (Surr)	108		75 - 125		12/08/17 00:49	10
Dibromofluoromethane (Surr)	113		77 - 120		12/08/17 00:49	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7200		250		ug/L			12/08/17 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	118		77 - 128		12/08/17 21:35	1
4-Bromofluorobenzene (Surr)	298	X	58 - 133		12/08/17 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1600		100		ug/L		12/12/17 09:34	12/13/17 12:50	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/12/17 09:34	12/13/17 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	12/12/17 09:34	12/13/17 12:50	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-45_20171128

Lab Sample ID: 580-73261-12

Date Collected: 11/28/17 11:35

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11		2.0		ug/L			12/07/17 18:09	1
Toluene	ND		2.0		ug/L			12/07/17 18:09	1
Xylenes, Total	4.9		3.0		ug/L			12/07/17 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	126	X	80 - 120					12/07/17 18:09	1
Toluene-d8 (Surr)	93		80 - 122					12/07/17 18:09	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126					12/07/17 18:09	1
4-Bromofluorobenzene (Surr)	112		75 - 125					12/07/17 18:09	1
Dibromofluoromethane (Surr)	108		77 - 120					12/07/17 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	450		30		ug/L			12/12/17 17:04	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120					12/12/17 17:04	10
Toluene-d8 (Surr)	102		80 - 122					12/12/17 17:04	10
1,2-Dichloroethane-d4 (Surr)	99		80 - 126					12/12/17 17:04	10
4-Bromofluorobenzene (Surr)	99		75 - 125					12/12/17 17:04	10
Dibromofluoromethane (Surr)	99		77 - 120					12/12/17 17:04	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4500		250		ug/L			12/08/17 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	122		77 - 128					12/08/17 22:07	1
4-Bromofluorobenzene (Surr)	289	X	58 - 133					12/08/17 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1700		100		ug/L		12/05/17 15:02	12/06/17 21:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/06/17 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150				12/05/17 15:02	12/06/17 21:41	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-54_20171128

Lab Sample ID: 580-73261-13

Date Collected: 11/28/17 11:30

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/07/17 18:38	1
Toluene	ND		2.0		ug/L			12/07/17 18:38	1
Ethylbenzene	ND		3.0		ug/L			12/07/17 18:38	1
Xylenes, Total	ND		3.0		ug/L			12/07/17 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	123	X	80 - 120		12/07/17 18:38	1
Toluene-d8 (Surr)	93		80 - 122		12/07/17 18:38	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 126		12/07/17 18:38	1
4-Bromofluorobenzene (Surr)	111		75 - 125		12/07/17 18:38	1
Dibromofluoromethane (Surr)	112		77 - 120		12/07/17 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/08/17 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		77 - 128		12/08/17 23:11	1
4-Bromofluorobenzene (Surr)	94		58 - 133		12/08/17 23:11	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-55_20171129

Lab Sample ID: 580-73261-14

Date Collected: 11/29/17 10:20

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/07/17 19:06	1
Toluene	ND		2.0		ug/L			12/07/17 19:06	1
Ethylbenzene	ND		3.0		ug/L			12/07/17 19:06	1
Xylenes, Total	ND		3.0		ug/L			12/07/17 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	124	X	80 - 120		12/07/17 19:06	1
Toluene-d8 (Surr)	92		80 - 122		12/07/17 19:06	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		12/07/17 19:06	1
4-Bromofluorobenzene (Surr)	111		75 - 125		12/07/17 19:06	1
Dibromofluoromethane (Surr)	110		77 - 120		12/07/17 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/08/17 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		77 - 128		12/08/17 23:43	1
4-Bromofluorobenzene (Surr)	93		58 - 133		12/08/17 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	F1	100		ug/L		12/05/17 15:02	12/06/17 22:02	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/06/17 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	60		50 - 150	12/05/17 15:02	12/06/17 22:02	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-56_20171129

Lab Sample ID: 580-73261-15

Date Collected: 11/29/17 09:55

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		40		ug/L			12/08/17 01:17	20
Toluene	ND		40		ug/L			12/08/17 01:17	20
Ethylbenzene	680		60		ug/L			12/08/17 01:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121	X	80 - 120		12/08/17 01:17	20
Toluene-d8 (Surr)	93		80 - 122		12/08/17 01:17	20
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		12/08/17 01:17	20
4-Bromofluorobenzene (Surr)	112		75 - 125		12/08/17 01:17	20
Dibromofluoromethane (Surr)	109		77 - 120		12/08/17 01:17	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	3700		300		ug/L			12/12/17 17:29	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	90		80 - 120		12/12/17 17:29	100
Toluene-d8 (Surr)	102		80 - 122		12/12/17 17:29	100
1,2-Dichloroethane-d4 (Surr)	90		80 - 126		12/12/17 17:29	100
4-Bromofluorobenzene (Surr)	98		75 - 125		12/12/17 17:29	100
Dibromofluoromethane (Surr)	91		77 - 120		12/12/17 17:29	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	17000		250		ug/L			12/09/17 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	124		77 - 128		12/09/17 01:19	1
4-Bromofluorobenzene (Surr)	170	X	58 - 133		12/09/17 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1000		100		ug/L		12/05/17 15:02	12/06/17 23:29	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/06/17 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	56		50 - 150	12/05/17 15:02	12/06/17 23:29	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-57_20171129

Lab Sample ID: 580-73261-16

Date Collected: 11/29/17 12:20

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.1		2.0		ug/L			12/07/17 20:31	1
Toluene	ND		2.0		ug/L			12/07/17 20:31	1
Ethylbenzene	ND		3.0		ug/L			12/07/17 20:31	1
Xylenes, Total	ND		3.0		ug/L			12/07/17 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121	X	80 - 120		12/07/17 20:31	1
Toluene-d8 (Surr)	93		80 - 122		12/07/17 20:31	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		12/07/17 20:31	1
4-Bromofluorobenzene (Surr)	112		75 - 125		12/07/17 20:31	1
Dibromofluoromethane (Surr)	112		77 - 120		12/07/17 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		77 - 128		12/09/17 01:50	1
4-Bromofluorobenzene (Surr)	104		58 - 133		12/09/17 01:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	100		100		ug/L		12/05/17 15:02	12/06/17 23:50	1
Motor Oil (>C24-C36)	ND		260		ug/L		12/05/17 15:02	12/06/17 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		50 - 150	12/05/17 15:02	12/06/17 23:50	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-58_20171129

Lab Sample ID: 580-73261-17

Date Collected: 11/29/17 09:50

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/07/17 21:00	1
Toluene	ND		2.0		ug/L			12/07/17 21:00	1
Ethylbenzene	ND		3.0		ug/L			12/07/17 21:00	1
Xylenes, Total	ND		3.0		ug/L			12/07/17 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	119		80 - 120		12/07/17 21:00	1
Toluene-d8 (Surr)	93		80 - 122		12/07/17 21:00	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		12/07/17 21:00	1
4-Bromofluorobenzene (Surr)	109		75 - 125		12/07/17 21:00	1
Dibromofluoromethane (Surr)	118		77 - 120		12/07/17 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1300		250		ug/L			12/09/17 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		77 - 128		12/09/17 02:22	1
4-Bromofluorobenzene (Surr)	140	X	58 - 133		12/09/17 02:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	8000		100		ug/L		12/05/17 15:02	12/07/17 00:12	1
Motor Oil (>C24-C36)	1700		250		ug/L		12/05/17 15:02	12/07/17 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150	12/05/17 15:02	12/07/17 00:12	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-59_20171129

Lab Sample ID: 580-73261-18

Date Collected: 11/29/17 09:30

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/07/17 21:29	1
Toluene	ND		2.0		ug/L			12/07/17 21:29	1
Ethylbenzene	ND		3.0		ug/L			12/07/17 21:29	1
Xylenes, Total	ND		3.0		ug/L			12/07/17 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121	X	80 - 120		12/07/17 21:29	1
Toluene-d8 (Surr)	92		80 - 122		12/07/17 21:29	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 126		12/07/17 21:29	1
4-Bromofluorobenzene (Surr)	109		75 - 125		12/07/17 21:29	1
Dibromofluoromethane (Surr)	110		77 - 120		12/07/17 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2600		250		ug/L			12/09/17 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		77 - 128		12/09/17 02:54	1
4-Bromofluorobenzene (Surr)	166	X	58 - 133		12/09/17 02:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	9200		100		ug/L		12/05/17 15:02	12/07/17 00:33	1
Motor Oil (>C24-C36)	1400		250		ug/L		12/05/17 15:02	12/07/17 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	12/05/17 15:02	12/07/17 00:33	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-60_20171129

Lab Sample ID: 580-73261-19

Date Collected: 11/29/17 09:10

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 20:07	1
Toluene	ND		2.0		ug/L			12/05/17 20:07	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 20:07	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		12/05/17 20:07	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 20:07	1
1,2-Dichloroethane-d4 (Surr)	114		80 - 126		12/05/17 20:07	1
4-Bromofluorobenzene (Surr)	91		75 - 125		12/05/17 20:07	1
Dibromofluoromethane (Surr)	105		77 - 120		12/05/17 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 08:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121		77 - 128		12/09/17 08:37	1
4-Bromofluorobenzene (Surr)	95		58 - 133		12/09/17 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	450		100		ug/L		12/05/17 15:02	12/07/17 00:55	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/07/17 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	12/05/17 15:02	12/07/17 00:55	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-61_20171129

Lab Sample ID: 580-73261-20

Date Collected: 11/29/17 10:50

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 20:32	1
Toluene	ND		2.0		ug/L			12/05/17 20:32	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 20:32	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		12/05/17 20:32	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 20:32	1
1,2-Dichloroethane-d4 (Surr)	114		80 - 126		12/05/17 20:32	1
4-Bromofluorobenzene (Surr)	91		75 - 125		12/05/17 20:32	1
Dibromofluoromethane (Surr)	104		77 - 120		12/05/17 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 09:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	109		77 - 128		12/09/17 09:07	1
4-Bromofluorobenzene (Surr)	90		58 - 133		12/09/17 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/05/17 15:02	12/07/17 01:16	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/07/17 01:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	12/05/17 15:02	12/07/17 01:16	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-62_20171129

Lab Sample ID: 580-73261-21

Date Collected: 11/29/17 11:10

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 20:57	1
Toluene	ND		2.0		ug/L			12/05/17 20:57	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 20:57	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		12/05/17 20:57	1
Toluene-d8 (Surr)	95		80 - 122		12/05/17 20:57	1
1,2-Dichloroethane-d4 (Surr)	114		80 - 126		12/05/17 20:57	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/05/17 20:57	1
Dibromofluoromethane (Surr)	105		77 - 120		12/05/17 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 09:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128					12/09/17 09:38	1
4-Bromofluorobenzene (Surr)	92		58 - 133					12/09/17 09:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/05/17 15:02	12/07/17 01:37	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/07/17 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	57		50 - 150				12/05/17 15:02	12/07/17 01:37	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-63_20171129

Lab Sample ID: 580-73261-22

Date Collected: 11/29/17 11:15

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 21:22	1
Toluene	ND		2.0		ug/L			12/05/17 21:22	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 21:22	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	89		80 - 120		12/05/17 21:22	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 21:22	1
1,2-Dichloroethane-d4 (Surr)	115		80 - 126		12/05/17 21:22	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/05/17 21:22	1
Dibromofluoromethane (Surr)	111		77 - 120		12/05/17 21:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		77 - 128		12/09/17 12:10	1
4-Bromofluorobenzene (Surr)	92		58 - 133		12/09/17 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/05/17 15:02	12/07/17 01:59	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/07/17 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		50 - 150	12/05/17 15:02	12/07/17 01:59	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-64_20171128

Lab Sample ID: 580-73261-23

Date Collected: 11/28/17 16:15

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			12/05/17 14:18	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 14:18	1
Xylenes, Total	4.4		3.0		ug/L			12/05/17 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	95		80 - 120		12/05/17 14:18	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 14:18	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		12/05/17 14:18	1
4-Bromofluorobenzene (Surr)	96		75 - 125		12/05/17 14:18	1
Dibromofluoromethane (Surr)	100		77 - 120		12/05/17 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12		2.0		ug/L			12/07/17 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		80 - 120		12/07/17 21:57	1
Toluene-d8 (Surr)	95		80 - 122		12/07/17 21:57	1
1,2-Dichloroethane-d4 (Surr)	111		80 - 126		12/07/17 21:57	1
4-Bromofluorobenzene (Surr)	110		75 - 125		12/07/17 21:57	1
Dibromofluoromethane (Surr)	135	X	77 - 120		12/07/17 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	890		250		ug/L			12/09/17 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	118		77 - 128		12/09/17 12:40	1
4-Bromofluorobenzene (Surr)	168	X	58 - 133		12/09/17 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2200		100		ug/L		12/05/17 15:02	12/07/17 02:42	1
Motor Oil (>C24-C36)	300		260		ug/L		12/05/17 15:02	12/07/17 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	12/05/17 15:02	12/07/17 02:42	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-66_20171128

Lab Sample ID: 580-73261-24

Date Collected: 11/28/17 12:40

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	3.7		2.0		ug/L			12/05/17 14:43	1
Ethylbenzene	86		3.0		ug/L			12/05/17 14:43	1
Xylenes, Total	3.8		3.0		ug/L			12/05/17 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120					12/05/17 14:43	1
Toluene-d8 (Surr)	97		80 - 122					12/05/17 14:43	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126					12/05/17 14:43	1
4-Bromofluorobenzene (Surr)	96		75 - 125					12/05/17 14:43	1
Dibromofluoromethane (Surr)	100		77 - 120					12/05/17 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	190		40		ug/L			12/08/17 01:45	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	121	X	80 - 120					12/08/17 01:45	20
Toluene-d8 (Surr)	92		80 - 122					12/08/17 01:45	20
1,2-Dichloroethane-d4 (Surr)	101		80 - 126					12/08/17 01:45	20
4-Bromofluorobenzene (Surr)	110		75 - 125					12/08/17 01:45	20
Dibromofluoromethane (Surr)	111		77 - 120					12/08/17 01:45	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1300		250		ug/L			12/09/17 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		77 - 128					12/09/17 13:11	1
4-Bromofluorobenzene (Surr)	168	X	58 - 133					12/09/17 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	690		100		ug/L		12/05/17 15:02	12/07/17 03:03	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/07/17 03:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150				12/05/17 15:02	12/07/17 03:03	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-67_20171129

Lab Sample ID: 580-73261-25

Date Collected: 11/29/17 10:45

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			12/05/17 15:07	1
Ethylbenzene	60		3.0		ug/L			12/05/17 15:07	1
Xylenes, Total	6.2		3.0		ug/L			12/05/17 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					12/05/17 15:07	1
Toluene-d8 (Surr)	96		80 - 122					12/05/17 15:07	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 126					12/05/17 15:07	1
4-Bromofluorobenzene (Surr)	93		75 - 125					12/05/17 15:07	1
Dibromofluoromethane (Surr)	103		77 - 120					12/05/17 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	16		2.0		ug/L			12/07/17 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	124	X	80 - 120					12/07/17 22:26	1
Toluene-d8 (Surr)	97		80 - 122					12/07/17 22:26	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126					12/07/17 22:26	1
4-Bromofluorobenzene (Surr)	108		75 - 125					12/07/17 22:26	1
Dibromofluoromethane (Surr)	114		77 - 120					12/07/17 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	450		250		ug/L			12/09/17 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	106		77 - 128					12/09/17 13:42	1
4-Bromofluorobenzene (Surr)	103		58 - 133					12/09/17 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	140		100		ug/L		12/05/17 15:02	12/07/17 03:24	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/07/17 03:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	57		50 - 150				12/05/17 15:02	12/07/17 03:24	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-68_20171129

Lab Sample ID: 580-73261-26

Date Collected: 11/29/17 11:35

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 15:32	1
Toluene	ND		2.0		ug/L			12/05/17 15:32	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 15:32	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		12/05/17 15:32	1
Toluene-d8 (Surr)	86		80 - 122		12/05/17 15:32	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 126		12/05/17 15:32	1
4-Bromofluorobenzene (Surr)	87		75 - 125		12/05/17 15:32	1
Dibromofluoromethane (Surr)	104		77 - 120		12/05/17 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	113		77 - 128		12/09/17 14:12	1
4-Bromofluorobenzene (Surr)	91		58 - 133		12/09/17 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/05/17 15:02	12/07/17 03:46	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/07/17 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	12/05/17 15:02	12/07/17 03:46	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-69_20171129

Lab Sample ID: 580-73261-27

Date Collected: 11/29/17 11:30

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F1	2.0		ug/L			12/05/17 15:57	1
Toluene	ND		2.0		ug/L			12/05/17 15:57	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 15:57	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	95		80 - 120		12/05/17 15:57	1
Toluene-d8 (Surr)	95		80 - 122		12/05/17 15:57	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 126		12/05/17 15:57	1
4-Bromofluorobenzene (Surr)	93		75 - 125		12/05/17 15:57	1
Dibromofluoromethane (Surr)	104		77 - 120		12/05/17 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 10:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	114		77 - 128		12/09/17 10:08	1
4-Bromofluorobenzene (Surr)	91		58 - 133		12/09/17 10:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/07/17 09:33	12/08/17 19:16	1
Motor Oil (>C24-C36)	ND		260		ug/L		12/07/17 09:33	12/08/17 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	12/07/17 09:33	12/08/17 19:16	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-70_20171129

Lab Sample ID: 580-73261-28

Date Collected: 11/29/17 10:15

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F1	2.0		ug/L			12/05/17 16:51	1
Toluene	ND	F1	2.0		ug/L			12/05/17 16:51	1
Ethylbenzene	ND	F1	3.0		ug/L			12/05/17 16:51	1
Xylenes, Total	ND	F1	3.0		ug/L			12/05/17 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	122	X	80 - 120		12/05/17 16:51	1
Toluene-d8 (Surr)	97		80 - 122		12/05/17 16:51	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		12/05/17 16:51	1
4-Bromofluorobenzene (Surr)	106		75 - 125		12/05/17 16:51	1
Dibromofluoromethane (Surr)	111		77 - 120		12/05/17 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	F1	250		ug/L			12/09/17 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		77 - 128		12/09/17 14:43	1
4-Bromofluorobenzene (Surr)	91		58 - 133		12/09/17 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/07/17 09:33	12/08/17 20:21	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/07/17 09:33	12/08/17 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	12/07/17 09:33	12/08/17 20:21	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-71_20171128

Lab Sample ID: 580-73261-29

Date Collected: 11/28/17 16:30

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 17:12	1
Toluene	ND		2.0		ug/L			12/05/17 17:12	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 17:12	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		12/05/17 17:12	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 17:12	1
1,2-Dichloroethane-d4 (Surr)	115		80 - 126		12/05/17 17:12	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/05/17 17:12	1
Dibromofluoromethane (Surr)	106		77 - 120		12/05/17 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	110		77 - 128		12/09/17 16:16	1
4-Bromofluorobenzene (Surr)	90		58 - 133		12/09/17 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/07/17 09:33	12/08/17 21:48	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/07/17 09:33	12/08/17 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		50 - 150	12/07/17 09:33	12/08/17 21:48	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: AG-WELL_20171129

Lab Sample ID: 580-73261-30

Date Collected: 11/29/17 12:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 17:37	1
Toluene	ND		2.0		ug/L			12/05/17 17:37	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 17:37	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120		12/05/17 17:37	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 17:37	1
1,2-Dichloroethane-d4 (Surr)	111		80 - 126		12/05/17 17:37	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/05/17 17:37	1
Dibromofluoromethane (Surr)	104		77 - 120		12/05/17 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	118		77 - 128		12/09/17 16:47	1
4-Bromofluorobenzene (Surr)	87		58 - 133		12/09/17 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	460		100		ug/L		12/07/17 09:33	12/08/17 22:10	1
Motor Oil (>C24-C36)	400		260		ug/L		12/07/17 09:33	12/08/17 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150	12/07/17 09:33	12/08/17 22:10	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: Trip Blank-1_20171129

Lab Sample ID: 580-73261-31

Date Collected: 11/29/17 00:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 18:02	1
Toluene	ND		2.0		ug/L			12/05/17 18:02	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 18:02	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120		12/05/17 18:02	1
Toluene-d8 (Surr)	97		80 - 122		12/05/17 18:02	1
1,2-Dichloroethane-d4 (Surr)	115		80 - 126		12/05/17 18:02	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/05/17 18:02	1
Dibromofluoromethane (Surr)	106		77 - 120		12/05/17 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	107		77 - 128		12/09/17 00:01	1
4-Bromofluorobenzene (Surr)	90		58 - 133		12/09/17 00:01	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: Trip Blank-2_20171129

Lab Sample ID: 580-73261-32

Date Collected: 11/29/17 00:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 13:53	1
Toluene	ND		2.0		ug/L			12/05/17 13:53	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 13:53	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		12/05/17 13:53	1
Toluene-d8 (Surr)	95		80 - 122		12/05/17 13:53	1
1,2-Dichloroethane-d4 (Surr)	115		80 - 126		12/05/17 13:53	1
4-Bromofluorobenzene (Surr)	93		75 - 125		12/05/17 13:53	1
Dibromofluoromethane (Surr)	106		77 - 120		12/05/17 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	119		77 - 128		12/09/17 00:32	1
4-Bromofluorobenzene (Surr)	89		58 - 133		12/09/17 00:32	1

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: Trip Blank-3_20171129

Lab Sample ID: 580-73261-33

Date Collected: 11/29/17 00:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 18:27	1
Toluene	ND		2.0		ug/L			12/05/17 18:27	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 18:27	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120		12/05/17 18:27	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 18:27	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 126		12/05/17 18:27	1
4-Bromofluorobenzene (Surr)	90		75 - 125		12/05/17 18:27	1
Dibromofluoromethane (Surr)	103		77 - 120		12/05/17 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	119		77 - 128		12/09/17 01:03	1
4-Bromofluorobenzene (Surr)	92		58 - 133		12/09/17 01:03	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: Dup-1_20171128

Lab Sample ID: 580-73261-34

Date Collected: 11/28/17 06:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	4.6		2.0		ug/L			12/05/17 18:52	1
Xylenes, Total	4.9		3.0		ug/L			12/05/17 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120					12/05/17 18:52	1
Toluene-d8 (Surr)	97		80 - 122					12/05/17 18:52	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126					12/05/17 18:52	1
4-Bromofluorobenzene (Surr)	94		75 - 125					12/05/17 18:52	1
Dibromofluoromethane (Surr)	98		77 - 120					12/05/17 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	87		60		ug/L			12/06/17 20:09	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120					12/06/17 20:09	20
Toluene-d8 (Surr)	97		80 - 122					12/06/17 20:09	20
1,2-Dichloroethane-d4 (Surr)	115		80 - 126					12/06/17 20:09	20
4-Bromofluorobenzene (Surr)	91		75 - 125					12/06/17 20:09	20
Dibromofluoromethane (Surr)	105		77 - 120					12/06/17 20:09	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	260		40		ug/L			12/12/17 17:54	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					12/12/17 17:54	20
Toluene-d8 (Surr)	102		80 - 122					12/12/17 17:54	20
1,2-Dichloroethane-d4 (Surr)	100		80 - 126					12/12/17 17:54	20
4-Bromofluorobenzene (Surr)	97		75 - 125					12/12/17 17:54	20
Dibromofluoromethane (Surr)	98		77 - 120					12/12/17 17:54	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1400		250		ug/L			12/09/17 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	120		77 - 128					12/09/17 01:33	1
4-Bromofluorobenzene (Surr)	177	X	58 - 133					12/09/17 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	980		100		ug/L		12/07/17 09:33	12/08/17 22:31	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/07/17 09:33	12/08/17 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	70		50 - 150				12/07/17 09:33	12/08/17 22:31	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: Dup-2_20171129

Lab Sample ID: 580-73261-35

Date Collected: 11/29/17 06:30

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 19:17	1
Toluene	ND		2.0		ug/L			12/05/17 19:17	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 19:17	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		12/05/17 19:17	1
Toluene-d8 (Surr)	96		80 - 122		12/05/17 19:17	1
1,2-Dichloroethane-d4 (Surr)	114		80 - 126		12/05/17 19:17	1
4-Bromofluorobenzene (Surr)	92		75 - 125		12/05/17 19:17	1
Dibromofluoromethane (Surr)	106		77 - 120		12/05/17 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	112		77 - 128		12/09/17 02:04	1
4-Bromofluorobenzene (Surr)	91		58 - 133		12/09/17 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/07/17 09:33	12/08/17 22:53	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/07/17 09:33	12/08/17 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	12/07/17 09:33	12/08/17 22:53	1

TestAmerica Seattle

Client Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: Dup-3_20171129

Lab Sample ID: 580-73261-36

Date Collected: 11/29/17 07:00

Matrix: Water

Date Received: 11/30/17 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 19:42	1
Toluene	ND		2.0		ug/L			12/05/17 19:42	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 19:42	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		12/05/17 19:42	1
Toluene-d8 (Surr)	103		80 - 122		12/05/17 19:42	1
1,2-Dichloroethane-d4 (Surr)	117		80 - 126		12/05/17 19:42	1
4-Bromofluorobenzene (Surr)	93		75 - 125		12/05/17 19:42	1
Dibromofluoromethane (Surr)	106		77 - 120		12/05/17 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			12/09/17 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	115		77 - 128		12/09/17 02:34	1
4-Bromofluorobenzene (Surr)	91		58 - 133		12/09/17 02:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/07/17 09:33	12/08/17 23:15	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/07/17 09:33	12/08/17 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	12/07/17 09:33	12/08/17 23:15	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: MB 580-262801/5

Matrix: Water

Analysis Batch: 262801

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 13:03	1
Toluene	ND		2.0		ug/L			12/05/17 13:03	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 13:03	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 13:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		12/05/17 13:03	1
Toluene-d8 (Surr)	97		80 - 122		12/05/17 13:03	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 126		12/05/17 13:03	1
4-Bromofluorobenzene (Surr)	95		75 - 125		12/05/17 13:03	1
Dibromofluoromethane (Surr)	105		77 - 120		12/05/17 13:03	1

Lab Sample ID: LCS 580-262801/6

Matrix: Water

Analysis Batch: 262801

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	12.0		ug/L		120	75 - 120
Toluene	10.0	9.94		ug/L		99	75 - 120
Ethylbenzene	10.0	10.3		ug/L		103	75 - 120
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 120
o-Xylene	10.0	10.2		ug/L		102	74 - 120
Xylenes, Total	20.0	20.3		ug/L		102	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	95		80 - 120
Toluene-d8 (Surr)	93		80 - 122
1,2-Dichloroethane-d4 (Surr)	111		80 - 126
4-Bromofluorobenzene (Surr)	92		75 - 125
Dibromofluoromethane (Surr)	104		77 - 120

Lab Sample ID: 580-73261-27 MS

Matrix: Water

Analysis Batch: 262801

Client Sample ID: MW-69_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND	F1	10.0	13.0	F1	ug/L		130	80 - 120
Toluene	ND		10.0	10.5		ug/L		105	75 - 120
Ethylbenzene	ND		10.0	11.0		ug/L		110	75 - 119
m-Xylene & p-Xylene	ND		10.0	10.6		ug/L		106	75 - 119
o-Xylene	ND		10.0	10.7		ug/L		107	74 - 120
Xylenes, Total	ND		20.0	21.3		ug/L		107	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	97		80 - 120
Toluene-d8 (Surr)	95		80 - 122
1,2-Dichloroethane-d4 (Surr)	112		80 - 126

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: 580-73261-27 MS

Matrix: Water

Analysis Batch: 262801

Client Sample ID: MW-69_20171129

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		75 - 125
Dibromofluoromethane (Surr)	107		77 - 120

Lab Sample ID: 580-73261-27 MSD

Matrix: Water

Analysis Batch: 262801

Client Sample ID: MW-69_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND	F1	10.0	12.8	F1	ug/L		128	80 - 120	2	35
Toluene	ND		10.0	10.5		ug/L		105	75 - 120	0	35
Ethylbenzene	ND		10.0	10.3		ug/L		103	75 - 119	6	35
m-Xylene & p-Xylene	ND		10.0	10.3		ug/L		103	75 - 119	2	35
o-Xylene	ND		10.0	10.4		ug/L		104	74 - 120	3	35
Xylenes, Total	ND		20.0	20.7		ug/L		104	75 - 119	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	97		80 - 120
Toluene-d8 (Surr)	94		80 - 122
1,2-Dichloroethane-d4 (Surr)	112		80 - 126
4-Bromofluorobenzene (Surr)	92		75 - 125
Dibromofluoromethane (Surr)	105		77 - 120

Lab Sample ID: MB 580-262824/5

Matrix: Water

Analysis Batch: 262824

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/05/17 15:25	1
Toluene	ND		2.0		ug/L			12/05/17 15:25	1
Ethylbenzene	ND		3.0		ug/L			12/05/17 15:25	1
Xylenes, Total	ND		3.0		ug/L			12/05/17 15:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	122	X	80 - 120		12/05/17 15:25	1
Toluene-d8 (Surr)	97		80 - 122		12/05/17 15:25	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		12/05/17 15:25	1
4-Bromofluorobenzene (Surr)	107		75 - 125		12/05/17 15:25	1
Dibromofluoromethane (Surr)	109		77 - 120		12/05/17 15:25	1

Lab Sample ID: LCS 580-262824/6

Matrix: Water

Analysis Batch: 262824

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	7.93		ug/L		79	75 - 120
Toluene	10.0	7.95		ug/L		80	75 - 120
Ethylbenzene	10.0	8.41		ug/L		84	75 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: LCS 580-262824/6

Matrix: Water

Analysis Batch: 262824

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	10.0	8.05		ug/L		81	75 - 120
o-Xylene	10.0	8.55		ug/L		86	74 - 120
Xylenes, Total	20.0	16.6		ug/L		83	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	123	X	80 - 120
Toluene-d8 (Surr)	96		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126
4-Bromofluorobenzene (Surr)	108		75 - 125
Dibromofluoromethane (Surr)	112		77 - 120

Lab Sample ID: 580-73261-28 MS

Matrix: Water

Analysis Batch: 262824

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND	F1	10.0	7.33	F1	ug/L		73	80 - 120
Toluene	ND	F1	10.0	6.72	F1	ug/L		67	75 - 120
Ethylbenzene	ND	F1	10.0	6.80	F1	ug/L		68	75 - 119
m-Xylene & p-Xylene	ND	F1	10.0	6.37	F1	ug/L		64	75 - 119
o-Xylene	ND	F1	10.0	6.85	F1	ug/L		69	74 - 120
Xylenes, Total	ND	F1	20.0	13.2	F1	ug/L		66	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	120		80 - 120
Toluene-d8 (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		80 - 126
4-Bromofluorobenzene (Surr)	109		75 - 125
Dibromofluoromethane (Surr)	111		77 - 120

Lab Sample ID: 580-73261-28 MSD

Matrix: Water

Analysis Batch: 262824

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND	F1	10.0	6.88	F1	ug/L		69	80 - 120	6	35
Toluene	ND	F1	10.0	6.66	F1	ug/L		67	75 - 120	1	35
Ethylbenzene	ND	F1	10.0	6.74	F1	ug/L		67	75 - 119	1	35
m-Xylene & p-Xylene	ND	F1	10.0	6.36	F1	ug/L		64	75 - 119	0	35
o-Xylene	ND	F1	10.0	6.82	F1	ug/L		68	74 - 120	1	35
Xylenes, Total	ND	F1	20.0	13.2	F1	ug/L		66	75 - 119	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	124	X	80 - 120
Toluene-d8 (Surr)	96		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126
4-Bromofluorobenzene (Surr)	109		75 - 125

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: 580-73261-28 MSD

Matrix: Water

Analysis Batch: 262824

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	110		77 - 120

Lab Sample ID: MB 580-262917/5

Matrix: Water

Analysis Batch: 262917

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/06/17 14:20	1
Toluene	ND		2.0		ug/L			12/06/17 14:20	1
Ethylbenzene	ND		3.0		ug/L			12/06/17 14:20	1
Xylenes, Total	ND		3.0		ug/L			12/06/17 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	95		80 - 120		12/06/17 14:20	1
Toluene-d8 (Surr)	95		80 - 122		12/06/17 14:20	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 126		12/06/17 14:20	1
4-Bromofluorobenzene (Surr)	91		75 - 125		12/06/17 14:20	1
Dibromofluoromethane (Surr)	102		77 - 120		12/06/17 14:20	1

Lab Sample ID: LCS 580-262917/6

Matrix: Water

Analysis Batch: 262917

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	11.3		ug/L		113	75 - 120
Toluene	10.0	9.49		ug/L		95	75 - 120
Ethylbenzene	10.0	9.73		ug/L		97	75 - 120
m-Xylene & p-Xylene	10.0	9.56		ug/L		96	75 - 120
o-Xylene	10.0	9.80		ug/L		98	74 - 120
Xylenes, Total	20.0	19.4		ug/L		97	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	95		80 - 120
Toluene-d8 (Surr)	95		80 - 122
1,2-Dichloroethane-d4 (Surr)	113		80 - 126
4-Bromofluorobenzene (Surr)	93		75 - 125
Dibromofluoromethane (Surr)	105		77 - 120

Lab Sample ID: LCSD 580-262917/7

Matrix: Water

Analysis Batch: 262917

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	12.1	*	ug/L		121	75 - 120	7	14
Toluene	10.0	10.8		ug/L		108	75 - 120	13	13
Ethylbenzene	10.0	10.2		ug/L		102	75 - 120	5	14
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 120	6	14

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: LCSD 580-262917/7

Matrix: Water

Analysis Batch: 262917

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
o-Xylene	10.0	10.1		ug/L		101	74 - 120	3	16
Xylenes, Total	20.0	20.2		ug/L		101	74 - 120	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	110		80 - 126
4-Bromofluorobenzene (Surr)	94		75 - 125
Dibromofluoromethane (Surr)	106		77 - 120

Lab Sample ID: MB 580-263004/5

Matrix: Water

Analysis Batch: 263004

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/07/17 15:18	1
Toluene	ND		2.0		ug/L			12/07/17 15:18	1
Ethylbenzene	ND		3.0		ug/L			12/07/17 15:18	1
Xylenes, Total	ND		3.0		ug/L			12/07/17 15:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	125	X	80 - 120		12/07/17 15:18	1
Toluene-d8 (Surr)	91		80 - 122		12/07/17 15:18	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		12/07/17 15:18	1
4-Bromofluorobenzene (Surr)	106		75 - 125		12/07/17 15:18	1
Dibromofluoromethane (Surr)	109		77 - 120		12/07/17 15:18	1

Lab Sample ID: LCS 580-263004/6

Matrix: Water

Analysis Batch: 263004

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	9.39		ug/L		94	75 - 120
Toluene	10.0	9.04		ug/L		90	75 - 120
Ethylbenzene	10.0	9.67		ug/L		97	75 - 120
m-Xylene & p-Xylene	10.0	9.41		ug/L		94	75 - 120
o-Xylene	10.0	9.62		ug/L		96	74 - 120
Xylenes, Total	20.0	19.0		ug/L		95	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	124	X	80 - 120
Toluene-d8 (Surr)	97		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126
4-Bromofluorobenzene (Surr)	114		75 - 125
Dibromofluoromethane (Surr)	111		77 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: 580-73261-14 MS

Matrix: Water

Analysis Batch: 263004

Client Sample ID: MW-55_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		10.0	8.13		ug/L		81	80 - 120
Toluene	ND		10.0	8.04		ug/L		80	75 - 120
Ethylbenzene	ND		10.0	8.32		ug/L		83	75 - 119
m-Xylene & p-Xylene	ND		10.0	7.89		ug/L		79	75 - 119
o-Xylene	ND		10.0	8.30		ug/L		83	74 - 120
Xylenes, Total	ND		20.0	16.2		ug/L		81	75 - 119

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	123	X	80 - 120
Toluene-d8 (Surr)	95		80 - 122
1,2-Dichloroethane-d4 (Surr)	101		80 - 126
4-Bromofluorobenzene (Surr)	113		75 - 125
Dibromofluoromethane (Surr)	112		77 - 120

Lab Sample ID: 580-73261-14 MSD

Matrix: Water

Analysis Batch: 263004

Client Sample ID: MW-55_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		10.0	9.59		ug/L		96	80 - 120	17	35
Toluene	ND		10.0	8.89		ug/L		89	75 - 120	10	35
Ethylbenzene	ND		10.0	9.47		ug/L		95	75 - 119	13	35
m-Xylene & p-Xylene	ND		10.0	8.94		ug/L		89	75 - 119	12	35
o-Xylene	ND		10.0	9.70		ug/L		97	74 - 120	16	35
Xylenes, Total	ND		20.0	18.6		ug/L		93	75 - 119	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	121	X	80 - 120
Toluene-d8 (Surr)	95		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		80 - 126
4-Bromofluorobenzene (Surr)	115		75 - 125
Dibromofluoromethane (Surr)	111		77 - 120

Lab Sample ID: MB 580-263261/5

Matrix: Water

Analysis Batch: 263261

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/12/17 13:17	1
Toluene	ND		2.0		ug/L			12/12/17 13:17	1
Ethylbenzene	ND		3.0		ug/L			12/12/17 13:17	1
Xylenes, Total	ND		3.0		ug/L			12/12/17 13:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		80 - 120		12/12/17 13:17	1
Toluene-d8 (Surr)	100		80 - 122		12/12/17 13:17	1
1,2-Dichloroethane-d4 (Surr)	88		80 - 126		12/12/17 13:17	1

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: MB 580-263261/5

Matrix: Water

Analysis Batch: 263261

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		75 - 125		12/12/17 13:17	1
Dibromofluoromethane (Surr)	94		77 - 120		12/12/17 13:17	1

Lab Sample ID: LCS 580-263261/6

Matrix: Water

Analysis Batch: 263261

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	9.53		ug/L		95	75 - 120
Toluene	10.0	9.06		ug/L		91	75 - 120
Ethylbenzene	10.0	9.60		ug/L		96	75 - 120
m-Xylene & p-Xylene	10.0	9.43		ug/L		94	75 - 120
o-Xylene	10.0	10.3		ug/L		103	74 - 120
Xylenes, Total	20.0	19.7		ug/L		99	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	103		80 - 120
Toluene-d8 (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		80 - 126
4-Bromofluorobenzene (Surr)	134	X	75 - 125
Dibromofluoromethane (Surr)	102		77 - 120

Lab Sample ID: LCSD 580-263261/7

Matrix: Water

Analysis Batch: 263261

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	10.0		ug/L		100	75 - 120	5	14
Toluene	10.0	10.1		ug/L		101	75 - 120	11	13
Ethylbenzene	10.0	10.1		ug/L		101	75 - 120	5	14
m-Xylene & p-Xylene	10.0	10.4		ug/L		104	75 - 120	10	14
o-Xylene	10.0	10.2		ug/L		102	74 - 120	1	16
Xylenes, Total	20.0	20.6		ug/L		103	74 - 120	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		80 - 126
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	99		77 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: MB 580-262841/5

Matrix: Water

Analysis Batch: 262841

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		ug/L			12/05/17 15:05	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		77 - 128					12/05/17 15:05	1
4-Bromofluorobenzene (Surr)	91		58 - 133					12/05/17 15:05	1

Lab Sample ID: LCS 580-262841/6

Matrix: Water

Analysis Batch: 262841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	1000	908		ug/L		91	79 - 110		
Surrogate	%Recovery	LCS Qualifier	Limits						
Trifluorotoluene (Surr)	97		77 - 128						
4-Bromofluorobenzene (Surr)	100		58 - 133						

Lab Sample ID: LCSD 580-262841/7

Matrix: Water

Analysis Batch: 262841

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	968		ug/L		97	79 - 110	6	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	105		77 - 128						
4-Bromofluorobenzene (Surr)	99		58 - 133						

Lab Sample ID: MB 580-263090/5

Matrix: Water

Analysis Batch: 263090

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		ug/L			12/08/17 13:01	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		77 - 128					12/08/17 13:01	1
4-Bromofluorobenzene (Surr)	92		58 - 133					12/08/17 13:01	1

Lab Sample ID: LCS 580-263090/6

Matrix: Water

Analysis Batch: 263090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	1000	920		ug/L		92	79 - 110		

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: LCS 580-263090/6

Matrix: Water

Analysis Batch: 263090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Trifluorotoluene (Surr)	98		77 - 128
4-Bromofluorobenzene (Surr)	99		58 - 133

Lab Sample ID: LCSD 580-263090/7

Matrix: Water

Analysis Batch: 263090

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	910		ug/L		91	79 - 110	1	10

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Trifluorotoluene (Surr)	96		77 - 128
4-Bromofluorobenzene (Surr)	99		58 - 133

Lab Sample ID: 580-73261-14 MS

Matrix: Water

Analysis Batch: 263090

Client Sample ID: MW-55_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND		1000	926		ug/L		93	79 - 110		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Trifluorotoluene (Surr)	106		77 - 128
4-Bromofluorobenzene (Surr)	99		58 - 133

Lab Sample ID: 580-73261-14 MSD

Matrix: Water

Analysis Batch: 263090

Client Sample ID: MW-55_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND		1000	948		ug/L		95	79 - 110	2	10

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Trifluorotoluene (Surr)	105		77 - 128
4-Bromofluorobenzene (Surr)	99		58 - 133

Lab Sample ID: MB 580-263121/6

Matrix: Water

Analysis Batch: 263121

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		ug/L			12/08/17 22:30	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Trifluorotoluene (Surr)	109		77 - 128		12/08/17 22:30	1			
4-Bromofluorobenzene (Surr)	92		58 - 133		12/08/17 22:30	1			

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: LCS 580-263121/7

Matrix: Water

Analysis Batch: 263121

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	864		ug/L		86	79 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	103		77 - 128
4-Bromofluorobenzene (Surr)	92		58 - 133

Lab Sample ID: LCSD 580-263121/8

Matrix: Water

Analysis Batch: 263121

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	900		ug/L		90	79 - 110	4	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	108		77 - 128
4-Bromofluorobenzene (Surr)	93		58 - 133

Lab Sample ID: 580-73261-27 MS

Matrix: Water

Analysis Batch: 263121

Client Sample ID: MW-69_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	ND		1000	856		ug/L		86	79 - 110

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	111		77 - 128
4-Bromofluorobenzene (Surr)	94		58 - 133

Lab Sample ID: 580-73261-27 MSD

Matrix: Water

Analysis Batch: 263121

Client Sample ID: MW-69_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND		1000	864		ug/L		86	79 - 110	1	10

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	105		77 - 128
4-Bromofluorobenzene (Surr)	95		58 - 133

Lab Sample ID: 580-73261-28 MS

Matrix: Water

Analysis Batch: 263121

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	ND	F1	1000	774	F1	ug/L		77	79 - 110

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: 580-73261-28 MS

Matrix: Water

Analysis Batch: 263121

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	101		77 - 128
4-Bromofluorobenzene (Surr)	92		58 - 133

Lab Sample ID: 580-73261-28 MSD

Matrix: Water

Analysis Batch: 263121

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND	F1	1000	782	F1	ug/L		78	79 - 110	1	10
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Trifluorotoluene (Surr)	96		77 - 128								
4-Bromofluorobenzene (Surr)	92		58 - 133								

Lab Sample ID: MB 580-263137/5

Matrix: Water

Analysis Batch: 263137

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		ug/L	-		12/09/17 11:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	92		77 - 128					12/09/17 11:58	1
4-Bromofluorobenzene (Surr)	92		58 - 133					12/09/17 11:58	1

Lab Sample ID: LCS 580-263137/6

Matrix: Water

Analysis Batch: 263137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	948		ug/L		95	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Trifluorotoluene (Surr)	99		77 - 128				
4-Bromofluorobenzene (Surr)	99		58 - 133				

Lab Sample ID: LCSD 580-263137/7

Matrix: Water

Analysis Batch: 263137

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	949		ug/L		95	79 - 110	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Trifluorotoluene (Surr)	97		77 - 128						
4-Bromofluorobenzene (Surr)	98		58 - 133						

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: MB 580-262751/1-A

Matrix: Water

Analysis Batch: 262790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 262751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/04/17 14:02	12/05/17 15:05	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/04/17 14:02	12/05/17 15:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				12/04/17 14:02	12/05/17 15:05	1

Lab Sample ID: LCS 580-262751/2-A

Matrix: Water

Analysis Batch: 262790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 262751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	2000	1820		ug/L		91	59 - 112		
Motor Oil (>C24-C36)	2000	2050		ug/L		103	64 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	87		50 - 150						

Lab Sample ID: LCSD 580-262751/3-A

Matrix: Water

Analysis Batch: 262790

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 262751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1830		ug/L		91	59 - 112	0	16
Motor Oil (>C24-C36)	2000	2080		ug/L		104	64 - 120	1	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	86		50 - 150						

Lab Sample ID: MB 580-262859/1-A

Matrix: Water

Analysis Batch: 262913

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 262859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/05/17 15:02	12/06/17 18:47	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/05/17 15:02	12/06/17 18:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150				12/05/17 15:02	12/06/17 18:47	1

Lab Sample ID: LCS 580-262859/2-A

Matrix: Water

Analysis Batch: 262913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 262859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	2000	1430		ug/L		72	59 - 112		
Motor Oil (>C24-C36)	2000	1650		ug/L		83	64 - 120		

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: LCS 580-262859/2-A

Matrix: Water

Analysis Batch: 262913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 262859

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

Lab Sample ID: LCSD 580-262859/3-A

Matrix: Water

Analysis Batch: 262913

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 262859

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1520		ug/L		76	59 - 112	6	16
Motor Oil (>C24-C36)	2000	1750		ug/L		87	64 - 120	6	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	74		50 - 150						

Lab Sample ID: 580-73261-14 MS

Matrix: Water

Analysis Batch: 262913

Client Sample ID: MW-55_20171129

Prep Type: Total/NA

Prep Batch: 262859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND	F1	2020	1160	F1	ug/L		55	59 - 112		
Motor Oil (>C24-C36)	ND		2020	1410		ug/L		70	64 - 120		
Surrogate	MS %Recovery	MS Qualifier	Limits								
o-Terphenyl	58		50 - 150								

Lab Sample ID: 580-73261-14 MSD

Matrix: Water

Analysis Batch: 262913

Client Sample ID: MW-55_20171129

Prep Type: Total/NA

Prep Batch: 262859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND	F1	2000	1240		ug/L		60	59 - 112	7	16
Motor Oil (>C24-C36)	ND		2000	1480		ug/L		74	64 - 120	5	17
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	61		50 - 150								

Lab Sample ID: MB 580-262980/1-A

Matrix: Water

Analysis Batch: 263103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 262980

Analysis Date: 12/07/17							Rep Date: 12/08/17		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/07/17 09:33	12/08/17 17:48	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/07/17 09:33	12/08/17 17:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				12/07/17 09:33	12/08/17 17:48	

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: LCS 580-262980/2-A

Matrix: Water

Analysis Batch: 263103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 262980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2000	1710		ug/L		85	59 - 112
Motor Oil (>C24-C36)	2000	1990		ug/L		99	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	82		50 - 150

Lab Sample ID: LCSD 580-262980/3-A

Matrix: Water

Analysis Batch: 263103

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 262980

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1760		ug/L		88	59 - 112	3	16
Motor Oil (>C24-C36)	2000	1980		ug/L		99	64 - 120	0	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	84		50 - 150

Lab Sample ID: 580-73261-27 MS

Matrix: Water

Analysis Batch: 263103

Client Sample ID: MW-69_20171129

Prep Type: Total/NA

Prep Batch: 262980

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	ND		2020	1630		ug/L		80	59 - 112
Motor Oil (>C24-C36)	ND		2020	1890		ug/L		93	64 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	80		50 - 150

Lab Sample ID: 580-73261-27 MSD

Matrix: Water

Analysis Batch: 263103

Client Sample ID: MW-69_20171129

Prep Type: Total/NA

Prep Batch: 262980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND		2020	1580		ug/L		78	59 - 112	3	16
Motor Oil (>C24-C36)	ND		2020	1840		ug/L		91	64 - 120	3	17

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	75		50 - 150

Lab Sample ID: 580-73261-28 MS

Matrix: Water

Analysis Batch: 263103

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Prep Batch: 262980

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	ND		2020	1400		ug/L		70	59 - 112
Motor Oil (>C24-C36)	ND		2020	1630		ug/L		81	64 - 120

TestAmerica Seattle

QC Sample Results

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

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

Lab Sample ID: 580-73261-28 MS

Matrix: Water

Analysis Batch: 263103

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Prep Batch: 262980

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	67		50 - 150

Lab Sample ID: 580-73261-28 MSD

Matrix: Water

Analysis Batch: 263103

Client Sample ID: MW-70_20171129

Prep Type: Total/NA

Prep Batch: 262980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND		2030	1430		ug/L		70	59 - 112	2	16
Motor Oil (>C24-C36)	ND		2030	1670		ug/L		82	64 - 120	2	17
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	72		50 - 150								

Lab Sample ID: MB 580-263239/1-A

Matrix: Water

Analysis Batch: 263343

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 263239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		100		ug/L		12/12/17 09:34	12/13/17 11:44	1
Motor Oil (>C24-C36)	ND		250		ug/L		12/12/17 09:34	12/13/17 11:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150				12/12/17 09:34	12/13/17 11:44	1

Lab Sample ID: LCS 580-263239/2-A

Matrix: Water

Analysis Batch: 263343

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 263239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2000	1460		ug/L		73	59 - 112		
Motor Oil (>C24-C36)	2000	2110		ug/L		105	64 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	78		50 - 150						

Lab Sample ID: LCSD 580-263239/3-A

Matrix: Water

Analysis Batch: 263343

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 263239

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1500		ug/L		75	59 - 112	3	16
Motor Oil (>C24-C36)	2000	2030		ug/L		101	64 - 120	4	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	87		50 - 150						

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: C_20171128

Date Collected: 11/28/17 12:35

Date Received: 11/30/17 14:15

Lab Sample ID: 580-73261-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262917	12/06/17 17:39	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	262841	12/06/17 03:16	JCV	TAL SEA
Total/NA	Prep	3510C			262751	12/04/17 14:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262790	12/05/17 16:32	TL1	TAL SEA

Client Sample ID: MW-2_20171128

Date Collected: 11/28/17 10:30

Date Received: 11/30/17 14:15

Lab Sample ID: 580-73261-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262917	12/06/17 18:04	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	262841	12/06/17 03:48	JCV	TAL SEA
Total/NA	Prep	3510C			262751	12/04/17 14:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262790	12/05/17 16:54	TL1	TAL SEA

Client Sample ID: MW-14_20171128

Date Collected: 11/28/17 12:20

Date Received: 11/30/17 14:15

Lab Sample ID: 580-73261-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262917	12/06/17 18:29	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	262841	12/06/17 04:20	JCV	TAL SEA
Total/NA	Prep	3510C			262751	12/04/17 14:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262790	12/05/17 17:16	TL1	TAL SEA

Client Sample ID: MW-19_20171128

Date Collected: 11/28/17 15:20

Date Received: 11/30/17 14:15

Lab Sample ID: 580-73261-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	263004	12/07/17 22:55	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	262841	12/06/17 04:52	JCV	TAL SEA
Total/NA	Prep	3510C			262751	12/04/17 14:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262790	12/05/17 17:38	TL1	TAL SEA

Client Sample ID: MW-20_20171128

Date Collected: 11/28/17 10:55

Date Received: 11/30/17 14:15

Lab Sample ID: 580-73261-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	263004	12/07/17 17:41	D1R	TAL SEA
Total/NA	Analysis	8260C		1	262917	12/06/17 18:54	T1W	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 18:22	JCV	TAL SEA
Total/NA	Prep	3510C			262751	12/04/17 14:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262790	12/05/17 18:00	TL1	TAL SEA

Client Sample ID: MW-21_20171128

Lab Sample ID: 580-73261-6

Date Collected: 11/28/17 10:30

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	263004	12/07/17 23:23	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 18:55	JCV	TAL SEA
Total/NA	Prep	3510C			262751	12/04/17 14:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262790	12/05/17 18:22	TL1	TAL SEA

Client Sample ID: MW-35_20171128

Lab Sample ID: 580-73261-7

Date Collected: 11/28/17 15:40

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	263004	12/07/17 23:52	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		100	263137	12/09/17 14:06	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 19:53	ADB	TAL SEA

Client Sample ID: MW-39_20171128

Lab Sample ID: 580-73261-8

Date Collected: 11/28/17 11:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262917	12/06/17 19:19	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 19:59	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 20:14	ADB	TAL SEA

Client Sample ID: MW-41_20171129

Lab Sample ID: 580-73261-9

Date Collected: 11/29/17 09:35

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262917	12/06/17 17:14	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 20:31	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 20:36	ADB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-43_20171129

Lab Sample ID: 580-73261-10

Date Collected: 11/29/17 09:20

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	263004	12/08/17 00:20	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 21:03	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 20:58	ADB	TAL SEA

Client Sample ID: MW-44_20171129

Lab Sample ID: 580-73261-11

Date Collected: 11/29/17 09:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	263004	12/08/17 00:49	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 21:35	JCV	TAL SEA
Total/NA	Prep	3510C			263239	12/12/17 09:34	APR	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263343	12/13/17 12:50	ADB	TAL SEA

Client Sample ID: MW-45_20171128

Lab Sample ID: 580-73261-12

Date Collected: 11/28/17 11:35

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	263004	12/07/17 18:09	D1R	TAL SEA
Total/NA	Analysis	8260C	DL2	10	263261	12/12/17 17:04	P1P	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 22:07	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 21:41	ADB	TAL SEA

Client Sample ID: MW-54_20171128

Lab Sample ID: 580-73261-13

Date Collected: 11/28/17 11:30

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	263004	12/07/17 18:38	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 23:11	JCV	TAL SEA

Client Sample ID: MW-55_20171129

Lab Sample ID: 580-73261-14

Date Collected: 11/29/17 10:20

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	263004	12/07/17 19:06	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/08/17 23:43	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-55_20171129

Lab Sample ID: 580-73261-14

Date Collected: 11/29/17 10:20

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 22:02	ADB	TAL SEA

Client Sample ID: MW-56_20171129

Lab Sample ID: 580-73261-15

Date Collected: 11/29/17 09:55

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	263004	12/08/17 01:17	D1R	TAL SEA
Total/NA	Analysis	8260C	DL2	100	263261	12/12/17 17:29	P1P	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/09/17 01:19	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 23:29	ADB	TAL SEA

Client Sample ID: MW-57_20171129

Lab Sample ID: 580-73261-16

Date Collected: 11/29/17 12:20

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	263004	12/07/17 20:31	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/09/17 01:50	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/06/17 23:50	ADB	TAL SEA

Client Sample ID: MW-58_20171129

Lab Sample ID: 580-73261-17

Date Collected: 11/29/17 09:50

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	263004	12/07/17 21:00	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/09/17 02:22	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 00:12	ADB	TAL SEA

Client Sample ID: MW-59_20171129

Lab Sample ID: 580-73261-18

Date Collected: 11/29/17 09:30

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	263004	12/07/17 21:29	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263090	12/09/17 02:54	JCV	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 00:33	ADB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-60_20171129

Lab Sample ID: 580-73261-19

Date Collected: 11/29/17 09:10

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 20:07	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 08:37	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 00:55	ADB	TAL SEA

Client Sample ID: MW-61_20171129

Lab Sample ID: 580-73261-20

Date Collected: 11/29/17 10:50

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 20:32	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 09:07	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 01:16	ADB	TAL SEA

Client Sample ID: MW-62_20171129

Lab Sample ID: 580-73261-21

Date Collected: 11/29/17 11:10

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 20:57	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 09:38	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 01:37	ADB	TAL SEA

Client Sample ID: MW-63_20171129

Lab Sample ID: 580-73261-22

Date Collected: 11/29/17 11:15

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 21:22	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 12:10	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 01:59	ADB	TAL SEA

Client Sample ID: MW-64_20171128

Lab Sample ID: 580-73261-23

Date Collected: 11/28/17 16:15

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	263004	12/07/17 21:57	D1R	TAL SEA
Total/NA	Analysis	8260C		1	262801	12/05/17 14:18	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-64_20171128

Lab Sample ID: 580-73261-23

Date Collected: 11/28/17 16:15

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 12:40	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 02:42	ADB	TAL SEA

Client Sample ID: MW-66_20171128

Lab Sample ID: 580-73261-24

Date Collected: 11/28/17 12:40

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	20	263004	12/08/17 01:45	D1R	TAL SEA
Total/NA	Analysis	8260C		1	262801	12/05/17 14:43	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 13:11	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 03:03	ADB	TAL SEA

Client Sample ID: MW-67_20171129

Lab Sample ID: 580-73261-25

Date Collected: 11/29/17 10:45

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	263004	12/07/17 22:26	D1R	TAL SEA
Total/NA	Analysis	8260C		1	262801	12/05/17 15:07	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 13:42	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 03:24	ADB	TAL SEA

Client Sample ID: MW-68_20171129

Lab Sample ID: 580-73261-26

Date Collected: 11/29/17 11:35

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 15:32	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 14:12	RSB	TAL SEA
Total/NA	Prep	3510C			262859	12/05/17 15:02	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	262913	12/07/17 03:46	ADB	TAL SEA

Client Sample ID: MW-69_20171129

Lab Sample ID: 580-73261-27

Date Collected: 11/29/17 11:30

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 15:57	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: MW-69_20171129

Lab Sample ID: 580-73261-27

Date Collected: 11/29/17 11:30

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 10:08	RSB	TAL SEA
Total/NA	Prep	3510C			262980	12/07/17 09:33	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263103	12/08/17 19:16	T1W	TAL SEA

Client Sample ID: MW-70_20171129

Lab Sample ID: 580-73261-28

Date Collected: 11/29/17 10:15

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262824	12/05/17 16:51	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 14:43	RSB	TAL SEA
Total/NA	Prep	3510C			262980	12/07/17 09:33	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263103	12/08/17 20:21	T1W	TAL SEA

Client Sample ID: MW-71_20171128

Lab Sample ID: 580-73261-29

Date Collected: 11/28/17 16:30

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 17:12	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 16:16	RSB	TAL SEA
Total/NA	Prep	3510C			262980	12/07/17 09:33	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263103	12/08/17 21:48	T1W	TAL SEA

Client Sample ID: AG-WELL_20171129

Lab Sample ID: 580-73261-30

Date Collected: 11/29/17 12:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 17:37	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 16:47	RSB	TAL SEA
Total/NA	Prep	3510C			262980	12/07/17 09:33	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263103	12/08/17 22:10	T1W	TAL SEA

Client Sample ID: Trip Blank-1_20171129

Lab Sample ID: 580-73261-31

Date Collected: 11/29/17 00:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 18:02	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 00:01	RSB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Client Sample ID: Trip Blank-2_20171129

Lab Sample ID: 580-73261-32

Date Collected: 11/29/17 00:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 13:53	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 00:32	RSB	TAL SEA

Client Sample ID: Trip Blank-3_20171129

Lab Sample ID: 580-73261-33

Date Collected: 11/29/17 00:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 18:27	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 01:03	RSB	TAL SEA

Client Sample ID: Dup-1_20171128

Lab Sample ID: 580-73261-34

Date Collected: 11/28/17 06:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 18:52	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	20	262917	12/06/17 20:09	T1W	TAL SEA
Total/NA	Analysis	8260C	DL2	20	263261	12/12/17 17:54	P1P	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 01:33	RSB	TAL SEA
Total/NA	Prep	3510C			262980	12/07/17 09:33	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263103	12/08/17 22:31	T1W	TAL SEA

Client Sample ID: Dup-2_20171129

Lab Sample ID: 580-73261-35

Date Collected: 11/29/17 06:30

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 19:17	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 02:04	RSB	TAL SEA
Total/NA	Prep	3510C			262980	12/07/17 09:33	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263103	12/08/17 22:53	T1W	TAL SEA

Client Sample ID: Dup-3_20171129

Lab Sample ID: 580-73261-36

Date Collected: 11/29/17 07:00

Matrix: Water

Date Received: 11/30/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262801	12/05/17 19:42	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	263121	12/09/17 02:34	RSB	TAL SEA
Total/NA	Prep	3510C			262980	12/07/17 09:33	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	263103	12/08/17 23:15	T1W	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Laboratory References:

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

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Accreditation/Certification Summary

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-18
ANAB	DoD ELAP		L2236	01-19-19
ANAB	ISO/IEC 17025		L2236	01-19-19
California	State Program	9	2901	01-31-18
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-05-18
US Fish & Wildlife	Federal		LE058448-0	10-31-18
USDA	Federal		P330-14-00126	02-10-20
Washington	State Program	10	C553	02-17-18

Sample Summary

Client: Antea USA, Inc.
Project/Site: BP - OPLC - Allen Station

TestAmerica Job ID: 580-73261-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-73261-1	C_20171128	Water	11/28/17 12:35	11/30/17 14:15
580-73261-2	MW-2_20171128	Water	11/28/17 10:30	11/30/17 14:15
580-73261-3	MW-14_20171128	Water	11/28/17 12:20	11/30/17 14:15
580-73261-4	MW-19_20171128	Water	11/28/17 15:20	11/30/17 14:15
580-73261-5	MW-20_20171128	Water	11/28/17 10:55	11/30/17 14:15
580-73261-6	MW-21_20171128	Water	11/28/17 10:30	11/30/17 14:15
580-73261-7	MW-35_20171128	Water	11/28/17 15:40	11/30/17 14:15
580-73261-8	MW-39_20171128	Water	11/28/17 11:00	11/30/17 14:15
580-73261-9	MW-41_20171129	Water	11/29/17 09:35	11/30/17 14:15
580-73261-10	MW-43_20171129	Water	11/29/17 09:20	11/30/17 14:15
580-73261-11	MW-44_20171129	Water	11/29/17 09:00	11/30/17 14:15
580-73261-12	MW-45_20171128	Water	11/28/17 11:35	11/30/17 14:15
580-73261-13	MW-54_20171128	Water	11/28/17 11:30	11/30/17 14:15
580-73261-14	MW-55_20171129	Water	11/29/17 10:20	11/30/17 14:15
580-73261-15	MW-56_20171129	Water	11/29/17 09:55	11/30/17 14:15
580-73261-16	MW-57_20171129	Water	11/29/17 12:20	11/30/17 14:15
580-73261-17	MW-58_20171129	Water	11/29/17 09:50	11/30/17 14:15
580-73261-18	MW-59_20171129	Water	11/29/17 09:30	11/30/17 14:15
580-73261-19	MW-60_20171129	Water	11/29/17 09:10	11/30/17 14:15
580-73261-20	MW-61_20171129	Water	11/29/17 10:50	11/30/17 14:15
580-73261-21	MW-62_20171129	Water	11/29/17 11:10	11/30/17 14:15
580-73261-22	MW-63_20171129	Water	11/29/17 11:15	11/30/17 14:15
580-73261-23	MW-64_20171128	Water	11/28/17 16:15	11/30/17 14:15
580-73261-24	MW-66_20171128	Water	11/28/17 12:40	11/30/17 14:15
580-73261-25	MW-67_20171129	Water	11/29/17 10:45	11/30/17 14:15
580-73261-26	MW-68_20171129	Water	11/29/17 11:35	11/30/17 14:15
580-73261-27	MW-69_20171129	Water	11/29/17 11:30	11/30/17 14:15
580-73261-28	MW-70_20171129	Water	11/29/17 10:15	11/30/17 14:15
580-73261-29	MW-71_20171128	Water	11/28/17 16:30	11/30/17 14:15
580-73261-30	AG-WELL_20171129	Water	11/29/17 12:00	11/30/17 14:15
580-73261-31	Trip Blank-1_20171129	Water	11/29/17 00:00	11/30/17 14:15
580-73261-32	Trip Blank-2_20171129	Water	11/29/17 00:00	11/30/17 14:15
580-73261-33	Trip Blank-3_20171129	Water	11/29/17 00:00	11/30/17 14:15
580-73261-34	Dup-1_20171128	Water	11/28/17 06:00	11/30/17 14:15
580-73261-35	Dup-2_20171129	Water	11/29/17 06:30	11/30/17 14:15
580-73261-36	Dup-3_20171129	Water	11/29/17 07:00	11/30/17 14:15

TestAmerica Seattle



Laboratory Management Program LaMP Chain of Custody Record

Page 4 of 4

BP/ARC Project Name: Olympic Pipe Line Company

Req Due Date (mm/dd/yy): Standard Rush TAT: Yes ☐ No ☐

BP/ARC Facility No: Allen Station

Lab Work Order Number: _____

Lab Name: <u>Test America</u>				BP/ARC Facility Address: <u>16292 Ovenell Road</u>				Consultant/Contractor: <u>Antea Group</u>			
Lab Address: <u>Tacoma, WA</u>				City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>				Consultant/Contractor Project No: <u>WAALLAA271.10123</u>			
Lab PM: <u>Elaine Walker</u>				Lead Regulatory Agency: <u>WA Department of Ecology</u>				Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>			
Lab Phone: <u>253.248.4972</u>				California Global ID No.: <u>NA</u>				Consultant/Contractor PM: <u>Megan Richard</u>			
Lab Shipping Acctnt: <u>NA</u>				Enfos Proposal No: <u>WR313781/00BHW-0006</u>				Phone: P: 425.498.7711 F: 425.869.1892			
Lab Bottle Order No: <u>NA</u>				Accounting Mode: Provision ☒ OOC-BU ☐ OOC-RM ☐				Email EDD To: <u>Megan.Richard@anteagroup.com</u>			
Other Info: <u>elaine.walker@testamericainc.com</u>				Stage: <u>APPRAISE (10)</u> Activity: <u>INTERIM MEASURES (123)</u>				Invoice To: <u>BP/ARC</u> ☒ Contractor ☐			

BP/ARC EBM:				Matrix			No. Containers / Preservative										Requested Analyses										Report Type & QC Level		
EBM Phone:				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-Gx	NWTPH-DX											Standard <u>Y</u>		
EBM Email:																											Full Data Package ☐		
Lab No.	Sample Description	Date	Time																	Comments									
	AG-Well_20171129	11-29-17	1200	X			8				8			X	X	X													
	Trip Blank-1 - 20171129	11-29-17	0000	X			8				8			X	X														
	Trip Blank-2 - 20171129	11-29-17	0000	X			8				8			X	X														
	Trip Blank-3 - 20171129	11-29-17	0000	X			8				8			X	X														
	Dup-1_20171128	11-28-17	0600	X			8				8			X	X	X													
	Dup-2_20171129	11-29-17	0630	X			8				8			X	X	X													
	Dup-3_20171129	11-29-17	0700	X			8				8			X	X	X													

Sampler's Name: <u>Soc Glover</u>		Relinquished By / Affiliation: <u>[Signature] Antea</u>		Date: <u>11-30-17</u>	Time: <u>1145</u>	Accepted By / Affiliation: <u>[Signature] T-H-S/E/A</u>		Date: <u>11/30/17</u>	Time: <u>1145</u>
Sampler's Company: <u>Antea Group</u>		Ship Date:							
Shipment Method:		Shipment Tracking No:							

Special Instructions:

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

Therm. ID A2 Cor 1.4 Unc 2.1
Cooler Dsc L3 B1A2 @Lab 1415
~~Wet~~/Packs Packing Babbler
Custody Seal: Yes No ~~✓~~

Therm. ID A2 Cor 1.0 Unc 1.7
Cooler Dsc L3 B1A2 @Lab 1415
~~Wet~~/Packs Packing Babbler
Custody Seal: Yes No ~~✓~~

Therm. ID A2 Cor 1.4 Unc 2.1
Cooler Dsc L3 B1A2 @Lab 1415
~~Wet~~/Packs Packing Babbler
Custody Seal: Yes No ~~✓~~

Therm. ID A2 Cor 0.7 Unc 1.4
Cooler Dsc L3 B1A2 @Lab 1415
~~Wet~~/Packs Packing Babbler
Custody Seal: Yes No ~~✓~~

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-73261-1

Login Number: 73261

List Source: TestAmerica Seattle

List Number: 1

Creator: Gall, Brandon A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
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	