



Semi-Annual Status Report

Second Half of 2018

OPLC Allen Pump Station

16292 Ovenell Road, Mount Vernon, Washington

Antea[®]Group

Understanding today.
Improving tomorrow.

PREPARED FOR

Remediation Management Services
Company

An affiliate of Atlantic Richfield Company
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and

BP Pipelines and Logistics
Olympic District
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January 15, 2019
Antea Group Project No. WAALLAA181

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Reporting Period.:	July 2018 – December 2018
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ERTS ID No.:	609166
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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 9 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 Ecology's Model Toxics Control Act (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 MTCA as an Independent Cleanup Action outside the Voluntary Cleanup Program (VCP).

2.0 Work Performed During the Reporting Period

- On August 29 through 30, 2018, quarterly groundwater monitoring and sampling was conducted. Groundwater samples were collected from monitoring wells MW-2, MW-19, MW-20, MW-21, MW-35, MW-41, MW-43, MW-44, MW-45, MW-55 through MW-64, MW-66 through MW-71, and AG Well. Due to lack of water, samples could not be collected from wells C, MW-9, MW-14, MW-39, and MW-54. Light non-aqueous phase liquid (LNAPL) was measured in MW-27, MW-28, MW-36, MW-53, and MW-65 at a maximum thickness of 0.21 feet. Absorbent socks were placed in each well with measurable LNAPL.
- On September 21, 2018, limited groundwater monitoring was conducted. LNAPL was measured in MW-28, MW-34, and MW-36 at a maximum thickness of 0.10 feet. Absorbent socks in wells MW-27, MW-28, MW-36, MW-53, MW-65, and PW-4 were replaced.
- On November 6 through 7, 2018, quarterly groundwater monitoring and sampling was conducted. Groundwater samples were collected from monitoring wells C, MW-2, MW-14, MW-19, MW-20, MW-21, MW-35, MW-39, MW-41, MW-43, MW-44, MW-45, MW-55 through MW-64, MW-66, through MW-71, and AG Well. Due to lack of water, samples could not be collected from wells MW-9 and MW-54. LNAPL was not measured in any well during the sampling event.
- On November 28, 2018, limited groundwater monitoring and sampling was conducted. Groundwater samples were collected from monitoring wells MW-56, MW-57, MW-58, MW-59, MW-67, and AG Well and analyzed for TPH-D and TPH-O, only.

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 through MW-64, MW-66 through MW-71, and AG Well.
- Passive LNAPL recovery as needed, and;
- Semi-annual reporting.

5.0 Data Review and Recommendations

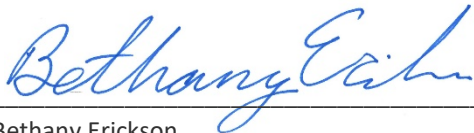
- During the second half of 2018 reporting period, groundwater analytical results indicate hydrocarbon concentrations in excess of MTCA Method A Cleanup Levels in monitoring wells C, MW-2, MW-14, MW-19, MW-20, MW-21, MW-35, MW-41, MW-43 through MW-45, MW-56 through MW-59, MW-64, MW-66, MW-67, and AG WELL.
- During the second half of 2018 reporting period, hydrocarbon concentrations in MW-9, MW-39, MW-55, MW-60 through MW-63, and MW-68 through MW-71 were not detected in excess of MTCA Method A Cleanup Levels.

- Measurable LNAPL was observed in wells MW-27, MW-28, MW-34, MW-36, MW-53, and MW-65 at some point during the second half of 2018 reporting period. A passive skimmer is currently deployed in well MW-34. Absorbent socks are currently deployed in MW-27, MW-28, MW-36, MW-53, MW-65, and 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 and an Expanded Site Map are included on Figures 1 and 2, respectively. Potentiometric Surface Maps are presented as Figures 3A and 4A. Groundwater Analytical Data Maps are included as Figures 3B, 3C, 4B, and 4C.
- 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.

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Reviewed by:

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Date: January 15, 2019

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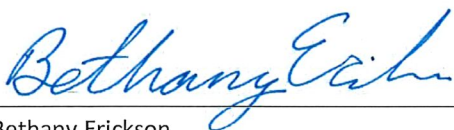
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6.0 Remarks

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.

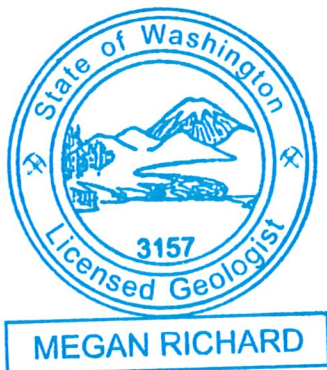
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Tables

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	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	--
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	--

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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	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	--
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	--

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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	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	--
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	--

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
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	--
C	2/27/2018	98.86	4.85	NP	--	94.01	--
C	6/12/2018	98.86	8.34	NP	--	90.52	--
C	8/29/2018	98.86	9.81	NP	--	89.05	Dry
C	11/6/2018	98.86	5.45	NP	--	93.41	--
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	--	--	--
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	--	--	--

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	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	--	--	--
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	--	--	--

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	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	--	--	--
IW-1	2/27/2018	--	5.91	NP	--	--	--
IW-1	6/12/2018	--	8.14	NP	--	--	--
IW-1	8/29/2018	--	9.77	NP	--	--	--
IW-1	11/6/2018	--	9.50	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	--
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	--

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-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	--
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	--

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-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	--
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	--

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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-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-1	2/27/2018	95.93	2.50	NP	--	93.43	--
MW-1	6/12/2018	95.93	5.66	NP	--	90.27	--
MW-1	8/29/2018	95.93	7.38	NP	--	88.55	--
MW-1	11/6/2018	95.93	4.82	NP	--	91.11	--
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	--
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	--

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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-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	--
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	--

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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-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	--
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	--

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	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	--
MW-2	2/27/2018	97.23	3.90	NP	--	93.33	--
MW-2	6/12/2018	97.23	6.63	NP	--	90.60	--
MW-2	8/29/2018	97.23	8.29	NP	--	88.94	--
MW-2	11/6/2018	97.23	5.98	NP	--	91.25	--
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

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	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	--
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	--

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	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	--
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

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	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-9	2/27/2018	99.67	6.46	NP	--	93.21	--
MW-9	6/12/2018	99.67	8.70	NP	--	90.97	--
MW-9	8/29/2018	99.67	--	--	--	--	Dry
MW-9	11/6/2018	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
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	--

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	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	--
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	--

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	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	--
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	--

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-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	--
MW-12	2/27/2018	98.46	4.61	NP	--	93.85	--
MW-12	6/12/2018	98.46	7.90	NP	--	90.56	--
MW-12	8/29/2018	98.46	9.60	NP	--	88.86	--
MW-12	11/6/2018	98.46	7.51	NP	--	90.95	--
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	--

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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
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	--
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	--

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	11/10/2014	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	--
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	--

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	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	--
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-14	2/27/2018	99.36	1.67	NP	--	97.69	--
MW-14	6/12/2018	99.36	4.86	NP	--	94.50	--
MW-14	8/29/2018	99.36	6.60	NP	--	92.76	DryIW
MW-14	11/6/2018	99.36	4.55	NP	--	94.81	--
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	--

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	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	--
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	--

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	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	--
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

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	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
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-17A	2/27/2018	98.54	5.69	NP	--	92.85	--
MW-17A	6/12/2018	98.54	8.16	NP	--	90.38	--
MW-17A	8/29/2018	98.54	9.19	NP	--	89.35	--
MW-17A	11/6/2018	98.54	9.16	NP	--	89.38	--
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

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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-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	--
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	--

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-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	--
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	--

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-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-18	2/27/2018	97.08	3.24	NP	--	93.84	--
MW-18	6/12/2018	97.08	5.92	NP	--	91.16	--
MW-18	8/29/2018	97.08	7.86	NP	--	89.22	--
MW-18	11/6/2018	97.08	6.80	NP	--	90.28	--
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	--
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	--

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	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	--
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	--

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	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	--
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-19	2/27/2018	96.50	2.25	NP	--	94.25	--
MW-19	6/12/2018	96.50	5.63	NP	--	90.87	--
MW-19	8/29/2018	96.50	7.39	NP	--	89.11	--
MW-19	11/6/2018	96.50	5.92	NP	--	90.58	--
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	--

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	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	--
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	--

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	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
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-20	2/27/2018	96.66	3.26	NP	--	93.40	--
MW-20	6/12/2018	96.66	6.40	NP	--	90.26	--
MW-20	8/29/2018	96.66	8.52	NP	--	88.14	--
MW-20	11/6/2018	96.66	6.85	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-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	--
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	--

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-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	--
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	--

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-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-21	2/27/2018	95.65	2.03	NP	--	93.62	--
MW-21	6/12/2018	95.65	4.70	NP	--	90.95	--
MW-21	8/29/2018	95.65	6.52	NP	--	89.13	--
MW-21	11/6/2018	95.65	4.96	NP	--	90.69	--
MW-22	12/17/2013	95.93	4.32	NP	--	91.61	--
MW-22	6/24/2014	95.93	4.65	NP	--	91.28	--
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	--

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-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	--
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	--

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-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	--
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-22	2/27/2018	95.35	1.31	NP	--	94.04	--
MW-22	6/12/2018	95.35	5.13	NP	--	90.22	--
MW-22	8/29/2018	95.35	6.29	NP	--	89.06	--
MW-22	11/6/2018	95.35	5.66	NP	--	89.69	--
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	--

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-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	--
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	--

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-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	--
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-23	2/27/2018	94.20	1.25	NP	--	92.95	--
MW-23	6/12/2018	94.20	3.93	NP	--	90.27	--
MW-23	8/29/2018	94.20	5.69	NP	--	88.51	--
MW-23	11/6/2018	94.20	3.16	NP	--	91.04	--
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	--

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-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	--
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	--

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-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	--
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-24	2/27/2018	96.50	3.38	NP	--	93.12	--
MW-24	6/12/2018	96.50	5.92	NP	--	90.58	--
MW-24	8/29/2018	96.50	7.99	NP	--	88.51	--
MW-24	11/6/2018	96.50	6.18	NP	--	90.32	--
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	--

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	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	--
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	--

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	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	--
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-25	2/27/2018	97.35	3.96	NP	--	93.39	--
MW-25	6/12/2018	97.35	6.12	NP	--	91.23	--
MW-25	8/29/2018	97.35	8.10	NP	--	89.25	--
MW-25	11/6/2018	97.35	8.16	NP	--	89.19	--
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	--

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	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	--
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	--

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	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
MW-27	2/27/2018	96.56	3.32	NP	--	93.24	--
MW-27	6/12/2018	96.56	5.58	NP	--	90.98	--
MW-27	8/29/2018	96.56	7.91	7.90	0.01	88.66	--
MW-27	9/21/2018	96.56	7.90	NP	--	88.66	--
MW-27	11/6/2018	96.56	6.23	NP	--	90.33	--
MW-27	11/28/2018	96.56	5.61	NP	--	90.95	--
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	--

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	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	--
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	--

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-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-28	2/27/2018	96.77	3.49	NP	--	93.28	--
MW-28	6/12/2018	96.77	6.32	6.26	0.06	90.49	--
MW-28	8/29/2018	96.77	8.59	8.38	0.21	88.34	--
MW-28	9/21/2018	96.77	8.70	8.60	0.10	88.14	--
MW-28	11/6/2018	96.77	7.35	NP	--	89.42	--
MW-28	11/28/2018	96.77	6.80	NP	--	89.97	--
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	--
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	--

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-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	--
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	--

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-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-29	2/27/2018	96.56	2.07	NP	--	94.49	--
MW-29	6/12/2018	96.56	5.60	NP	--	90.96	--
MW-29	8/29/2018	96.56	7.61	NP	--	88.95	--
MW-29	11/6/2018	96.56	6.03	NP	--	90.53	--
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	--
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	--

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	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	--
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-31	2/27/2018	96.53	2.05	NP	--	94.48	--

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
MW-31	6/12/2018	96.53	5.39	NP	--	91.14	--
MW-31	8/29/2018	96.53	7.29	NP	--	89.24	--
MW-31	11/6/2018	96.53	6.45	NP	--	90.08	--
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	--
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	--

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	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	--
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-32	2/27/2018	97.17	3.46	NP	--	93.71	--
MW-32	6/12/2018	97.17	6.23	NP	--	90.94	--
MW-32	8/29/2018	97.17	8.36	NP	--	88.81	--
MW-32	11/6/2018	97.17	7.48	NP	--	89.69	--

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	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	--
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	--

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-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	--
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-34	2/27/2018	97.59	4.73	NP	--	92.86	--
MW-34	6/12/2018	97.59	6.83	NP	--	90.76	--
MW-34	8/29/2018	97.59	9.03	NP	--	88.56	--
MW-34	9/21/2018	97.59	10.20	10.11	0.09	87.46	--
MW-34	11/6/2018	97.59	9.31	NP	--	88.28	--

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	11/28/2018	97.59	9.11	NP	--	88.48	--
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	--
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

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	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	--
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-35	2/27/2018	96.20	1.84	NP	--	94.36	--
MW-35	6/12/2018	96.20	4.91	NP	--	91.29	--
MW-35	8/29/2018	96.20	6.93	NP	--	89.27	--
MW-35	11/6/2018	96.20	5.73	NP	--	90.47	--
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	--

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	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	--
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	--

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	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-36	2/27/2018	96.35	2.01	NP	--	94.34	--
MW-36	6/12/2018	96.35	5.12	5.04	0.08	91.29	--
MW-36	8/29/2018	96.35	6.92	6.90	0.02	89.44	--
MW-36	9/21/2018	96.35	7.40	7.31	0.09	89.02	--
MW-36	11/6/2018	96.35	6.59	NP	--	89.76	--
MW-36	11/28/2018	96.35	5.14	NP	--	91.21	--
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	--
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	--

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-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	--
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	--

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	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-37	6/12/2018	97.68	7.83	NP	--	89.85	--
MW-37	8/29/2018	97.68	9.20	NP	--	88.48	--
MW-37	11/6/2018	97.68	7.64	NP	--	90.04	--
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	--
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	--

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-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	--
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	--

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	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-38	2/27/2018	97.39	4.01	NP	--	93.38	--
MW-38	6/12/2018	97.39	6.18	NP	--	91.21	--
MW-38	8/29/2018	97.39	7.89	NP	--	89.50	--
MW-38	11/6/2018	97.39	8.06	NP	--	89.33	--
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	--
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	--

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-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	--
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	--

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-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-39	2/27/2018	97.54	4.23	NP	--	93.31	--
MW-39	6/12/2018	97.54	6.58	NP	--	90.96	--
MW-39	8/29/2018	97.54	8.26	NP	--	89.28	--
MW-39	11/6/2018	97.54	8.32	NP	--	89.22	--
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	--
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	--

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	7/13/2015	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	--
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-40	2/27/2018	97.98	4.32	NP	--	93.66	--
MW-40	6/12/2018	97.98	6.73	NP	--	91.25	--

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
MW-40	8/29/2018	97.98	8.21	NP	--	89.77	--
MW-40	11/6/2018	97.98	8.55	NP	--	89.43	--
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	--
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	--

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	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	--
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-41	2/27/2018	98.28	3.26	NP	--	95.02	--
MW-41	6/12/2018	98.28	7.72	NP	--	90.56	--
MW-41	8/29/2018	98.28	9.75	NP	--	88.53	--
MW-41	11/6/2018	98.28	7.65	NP	--	90.63	--
MW-42	11/18/2014	--	5.74	NP	--	--	--
MW-42	11/19/2014	--	5.53	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
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	--
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	--

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-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	--
MW-42	11/29/2017	97.88	3.84	NP	--	94.04	--
MW-42	2/27/2018	97.88	3.08	NP	--	94.80	--
MW-42	6/12/2018	97.88	6.97	NP	--	90.91	--
MW-42	8/29/2018	97.88	8.99	NP	--	88.89	--
MW-42	11/6/2018	97.88	7.20	NP	--	90.68	--
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	--

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-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	--
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	--

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-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-43	2/27/2018	97.11	2.66	NP	--	94.45	--
MW-43	6/12/2018	97.11	6.53	NP	--	90.58	--
MW-43	8/29/2018	97.11	8.65	NP	--	88.46	--
MW-43	11/6/2018	97.11	6.72	NP	--	90.39	--
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	--
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	--

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	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	--
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	--

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-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-44	2/27/2018	96.67	1.86	NP	--	94.81	--
MW-44	6/12/2018	96.67	5.90	NP	--	90.77	--
MW-44	8/29/2018	96.67	7.93	NP	--	88.74	--
MW-44	11/6/2018	96.67	5.35	NP	--	91.32	--
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	--
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	--

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	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	--
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	--

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-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-45	2/27/2018	97.23	3.82	NP	--	93.41	--
MW-45	6/12/2018	97.23	6.50	NP	--	90.73	--
MW-45	8/29/2018	97.23	8.38	NP	--	88.85	--
MW-45	11/6/2018	97.23	8.31	NP	--	88.92	--
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	--
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	--

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	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	--
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	--

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	11/29/2017	97.42	7.73	NP	--	89.69	--
MW-47	2/27/2018	97.42	4.12	NP	--	93.30	--
MW-47	6/12/2018	97.42	6.35	NP	--	91.07	--
MW-47	8/29/2018	97.42	7.88	NP	--	89.54	--
MW-47	11/6/2018	97.42	8.24	NP	--	89.18	--
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	--
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

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	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	--
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-48	2/27/2018	97.61	4.17	NP	--	93.44	--
MW-48	6/12/2018	97.61	6.36	NP	--	91.25	--
MW-48	8/29/2018	97.61	7.88	NP	--	89.73	--
MW-48	11/6/2018	97.61	8.28	NP	--	89.33	--
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	--

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	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	--
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	--

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	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-49	2/27/2018	98.11	4.81	NP	--	93.30	--
MW-49	6/12/2018	98.11	6.99	NP	--	91.12	--
MW-49	8/29/2018	98.11	8.50	NP	--	89.61	--
MW-49	11/6/2018	98.11	8.91	NP	--	89.20	--
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	--
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	--

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	3/16/2015	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	--
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	--

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-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-50	2/27/2018	98.05	4.31	NP	--	93.74	--
MW-50	6/12/2018	98.05	6.68	NP	--	91.37	--
MW-50	8/29/2018	98.05	8.20	NP	--	89.85	--
MW-50	11/6/2018	98.05	8.68	NP	--	89.37	--
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	--
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	--

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	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	--
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	--

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	2/27/2018	96.86	2.51	NP	--	94.35	--
MW-51	6/12/2018	96.86	6.11	NP	--	90.75	--
MW-51	8/29/2018	96.86	8.62	NP	--	88.24	--
MW-51	11/6/2018	96.86	7.65	NP	--	89.21	--
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	--
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	--

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	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	--
MW-52	11/29/2017	97.79	6.17	NP	--	91.62	--
MW-52	2/27/2018	97.79	3.83	NP	--	93.96	--
MW-52	6/12/2018	97.79	6.24	NP	--	91.55	--
MW-52	8/29/2018	97.79	7.92	NP	--	89.87	--
MW-52	11/6/2018	97.79	7.22	NP	--	90.57	--
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	--

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-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	--
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

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	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-53	2/27/2018	96.45	2.08	NP	--	94.37	--
MW-53	6/12/2018	96.45	5.11	5.10	0.01	91.35	--
MW-53	8/29/2018	96.45	7.06	7.03	0.03	89.41	--
MW-53	9/21/2018	96.45	7.33	NP	--	89.12	--
MW-53	11/6/2018	96.45	6.71	NP	--	89.74	--
MW-53	11/28/2018	96.45	5.20	NP	--	91.25	--
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
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	--

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-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
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	--

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-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	--
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	--

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	6/29/2015	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
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-54	2/27/2018	99.20	4.87	NP	--	94.33	--

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	6/12/2018	99.20	8.33	NP	--	90.87	--
MW-54	8/29/2018	99.20	--	--	--	--	Dry
MW-54	11/6/2018	99.20	--	--	--	--	Dry
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	--
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-55	2/27/2018	96.13	2.55	NP	--	93.58	--
MW-55	6/12/2018	96.13	5.57	NP	--	90.56	--
MW-55	8/29/2018	96.13	7.63	NP	--	88.50	--

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-55	11/6/2018	96.13	7.09	NP	--	89.04	--
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	--
MW-56	11/29/2017	94.83	1.10	NP	--	93.73	--
MW-56	2/27/2018	94.83	--	--	--	--	--
MW-56	6/12/2018	94.83	4.23	NP	--	90.60	--
MW-56	8/29/2018	94.83	6.23	NP	--	88.60	--
MW-56	11/6/2018	94.83	4.88	NP	--	89.95	--
MW-56	11/28/2018	94.83	3.87	NP	--	90.96	--

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-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-57	2/27/2018	94.03	--	--	--	--	WI
MW-57	6/12/2018	94.03	3.72	NP	--	90.31	--
MW-57	8/29/2018	94.03	5.83	NP	--	88.20	--
MW-57	11/6/2018	94.03	4.09	NP	--	89.94	--
MW-57	11/28/2018	94.03	3.27	NP	--	90.76	--

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	10/5/2015	--	--	--	--	--	NG
MW-58	10/12/2015	--	5.99	NP	--	--	--
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-58	2/27/2018	93.92	--	--	--	--	WI
MW-58	6/12/2018	93.92	3.85	NP	--	90.07	--
MW-58	8/29/2018	93.92	5.97	NP	--	87.95	--
MW-58	11/6/2018	93.92	5.34	NP	--	88.58	--
MW-58	11/28/2018	93.92	4.74	NP	--	89.18	--
MW-59	10/5/2015	--	--	--	--	--	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-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	--
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-59	2/27/2018	93.52	--	--	--	--	WI
MW-59	6/12/2018	93.52	3.87	NP	--	89.65	--
MW-59	8/29/2018	93.52	5.73	NP	--	87.79	--
MW-59	11/6/2018	93.52	5.14	NP	--	88.38	--
MW-59	11/28/2018	93.52	4.70	NP	--	88.82	--
MW-60	10/5/2015	--	--	--	--	--	NG
MW-60	10/12/2015	--	5.79	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-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
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-60	2/27/2018	94.04	--	--	--	--	WI
MW-60	6/12/2018	94.04	3.81	NP	--	90.23	--
MW-60	8/29/2018	94.04	5.35	NP	--	88.69	--
MW-60	11/6/2018	94.04	5.59	NP	--	88.45	--
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	--

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	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	--
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-61	2/27/2018	95.03	0.30	NP	--	94.73	--
MW-61	6/12/2018	95.03	3.90	NP	--	91.13	--
MW-61	8/29/2018	95.03	5.52	NP	--	89.51	--
MW-61	11/6/2018	95.03	6.16	NP	--	88.87	--
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	--

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-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	--
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-62	2/27/2018	94.04	--	--	--	--	--
MW-62	6/12/2018	94.04	3.65	NP	--	90.39	--
MW-62	8/29/2018	94.04	5.68	NP	--	88.36	--
MW-62	11/6/2018	94.04	5.45	NP	--	88.59	--
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

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	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	--
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-63	2/27/2018	94.75	--	--	--	--	--
MW-63	6/12/2018	94.75	3.92	NP	--	90.83	--
MW-63	8/29/2018	94.75	5.85	NP	--	88.90	--
MW-63	11/6/2018	94.75	5.33	NP	--	89.42	--
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	--

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	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	--
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-64	2/27/2018	93.62	1.20	NP	--	92.42	--
MW-64	6/12/2018	93.62	3.87	NP	--	89.75	--
MW-64	8/29/2018	93.62	5.55	NP	--	88.07	--
MW-64	11/6/2018	93.62	3.05	NP	--	90.57	--
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

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-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	--
MW-65	2/27/2018	96.42	2.21	NP	--	94.21	--
MW-65	6/12/2018	96.42	5.25	NP	--	91.17	--
MW-65	8/29/2018	96.42	7.06	NP	--	89.36	--
MW-65	9/21/2018	96.42	7.30	NP	--	89.12	--
MW-65	11/6/2018	96.42	6.00	NP	--	90.42	--
MW-65	11/28/2018	96.42	5.27	NP	--	91.15	--
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	--

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	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-66	2/27/2018	95.74	1.54	NP	--	94.20	--
MW-66	6/12/2018	95.74	5.12	NP	--	90.62	--
MW-66	8/29/2018	95.74	6.93	NP	--	88.81	--
MW-66	11/6/2018	95.74	5.45	NP	--	90.29	--
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	--
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-67	2/27/2018	95.61	1.15	NP	--	94.46	--
MW-67	6/12/2018	95.61	4.65	NP	--	90.96	--
MW-67	8/29/2018	95.61	6.54	NP	--	89.07	--
MW-67	11/6/2018	95.61	5.75	NP	--	89.86	--
MW-67	11/28/2018	95.61	4.78	NP	--	90.83	--

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-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-68	2/27/2018	95.69	1.25	NP	--	94.44	--
MW-68	6/12/2018	95.69	4.75	NP	--	90.94	--
MW-68	8/29/2018	95.69	6.65	NP	--	89.04	--
MW-68	11/6/2018	95.69	6.20	NP	--	89.49	--
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-69	2/27/2018	95.49	0.85	NP	--	94.64	--
MW-69	6/12/2018	95.49	4.53	NP	--	90.96	--
MW-69	8/29/2018	95.49	6.56	NP	--	88.93	--
MW-69	11/6/2018	95.49	6.37	NP	--	89.12	--
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
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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-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-70	2/27/2018	95.68	0.76	NP	--	94.92	--
MW-70	6/12/2018	95.68	4.55	NP	--	91.13	--
MW-70	8/29/2018	95.68	6.09	NP	--	89.59	--
MW-70	11/6/2018	95.68	6.54	NP	--	89.14	--
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	--
MW-71	2/27/2018	93.62	2.38	NP	--	91.24	--
MW-71	6/12/2018	93.62	4.38	NP	--	89.24	--
MW-71	8/29/2018	93.62	5.81	NP	--	87.81	--
MW-71	11/6/2018	93.62	3.38	NP	--	90.24	--
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

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	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	--	--	--
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	--	--	--

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	10/19/2015	--	9.45	NP	--	--	--
PW-1	11/2/2015	--	--	--	--	--	NG
PW-1	11/16/2015	--	--	--	--	--	NG
PW-1	11/30/2015	--	--	--	--	--	--
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-1	2/27/2018	--	4.86	NP	--	--	--
PW-1	8/29/2018	--	9.38	NP	--	--	--
PW-1	11/6/2018	--	8.11	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	--	--	--

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	11/15/2012	--	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	--	--	--
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	--	--	--

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	6/29/2015	--	8.62	NP	--	--	--
PW-2	7/13/2015	--	8.87	NP	--	--	--
PW-2	7/28/2015	--	9.11	NP	--	--	--
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
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	2/27/2018	--	5.34	NP	--	--	--
PW-2	8/29/2018	--	9.34	NP	--	--	--
PW-2	11/6/2018	--	8.49	NP	--	--	--
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	--	--	--

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-3	3/16/2015	--	4.89	NP	--	--	--
PW-3	3/23/2015	--	4.54	NP	--	--	--
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
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-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-3	2/27/2018	--	4.45	NP	--	--	--
PW-3	8/29/2018	--	9.10	NP	--	--	--
PW-3	11/6/2018	--	7.72	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	--

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	2/26/2007	99.94	3.10	2.72	0.38	97.13	--
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	--
PW-4	1/5/2015	99.94	1.90	NP	--	98.04	--

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	1/12/2015	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	--
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

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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-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-4	2/27/2018	99.94	3.65	NP	--	96.29	--
PW-4	8/29/2018	99.94	7.89	NP	--	92.05	--
PW-4	9/21/2018	99.94	8.06	NP	--	91.88	--
PW-4	11/6/2018	99.94	6.42	NP	--	93.52	--
PW-4	11/28/2018	99.94	6.41	NP	--	93.53	--
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
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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-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	--	--	--
PW-5A	10/12/2015	--	8.39	NP	--	--	--
PW-5A	10/19/2015	--	8.52	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	11/2/2015	--	--	--	--	--	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-5A	2/27/2018	--	3.55	NP	--	--	--
PW-5A	8/29/2018	--	8.40	NP	--	--	--
PW-5A	11/6/2018	--	6.92	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	--	--	--
PW-6	5/10/2012	--	5.22	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	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	--	--	--
PW-6	6/15/2015	--	8.34	NP	--	--	--
PW-6	6/19/2015	--	8.44	NP	--	--	--
PW-6	6/29/2015	--	8.73	NP	--	--	--

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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
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	--	--	--
PW-6	8/31/2017	--	9.63	NP	--	--	--
PW-6	9/26/2017	--	9.67	NP	--	--	--
PW-6	11/29/2017	--	6.30	NP	--	--	--
PW-6	2/27/2018	--	4.92	NP	--	--	--
PW-6	8/29/2018	--	9.52	NP	--	--	--

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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	11/6/2018	--	8.26	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	--
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	--

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	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	--
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-1	2/27/2018	96.57	2.06	NP	--	94.51	--
RW-1	6/12/2018	96.57	5.35	NP	--	91.22	--
RW-1	8/29/2018	96.57	7.46	NP	--	89.11	--
RW-1	11/6/2018	96.57	5.67	NP	--	90.90	--

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	11/17/2014	--	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	--
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

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	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
RW-2	11/29/2017	96.97	2.88	NP	--	94.09	--
RW-2	2/27/2018	96.97	2.31	NP	--	94.66	--
RW-2	6/12/2018	96.97	5.66	NP	--	91.31	--
RW-2	8/29/2018	96.97	7.20	NP	--	89.77	--
RW-2	11/6/2018	96.97	5.27	NP	--	91.70	--

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-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	--
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

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	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	--
RW-3	2/27/2018	97.07	2.50	NP	--	94.57	--
RW-3	6/12/2018	97.07	5.75	NP	--	91.32	--
RW-3	8/29/2018	97.07	7.88	NP	--	89.19	--
RW-3	11/6/2018	97.07	5.97	NP	--	91.10	--
RW-4	11/17/2014	--	8.90	8.70	0.20	--	--

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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	11/18/2014	--	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	--
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	--

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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
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	--
RW-4	2/27/2018	97.22	3.34	NP	--	93.88	--
RW-4	6/12/2018	97.22	6.45	NP	--	90.77	--
RW-4	8/29/2018	97.22	8.42	NP	--	88.80	--
RW-4	11/6/2018	97.22	6.88	NP	--	90.34	--
RW-5	11/17/2014	--	--	--	--	--	NG
RW-5	11/18/2014	--	--	--	--	--	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
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
RW-5	10/12/2015	--	--	--	--	--	NG
RW-5	10/19/2015	--	--	--	--	--	NG
RW-5	11/2/2015	--	--	--	--	--	WI
RW-5	11/16/2015	--	--	--	--	--	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
RW-5	11/30/2015	--	--	--	--	--	--
RW-5	8/29/2018	--	--	--	--	--	NL
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	--
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	--

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-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	--
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-6	2/27/2018	96.02	1.34	NP	--	94.68	--
RW-6	6/12/2018	96.02	4.88	NP	--	91.14	--
RW-6	8/29/2018	96.02	6.90	NP	--	89.12	--
RW-6	11/6/2018	96.02	5.69	NP	--	90.33	--

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	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	--
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	--

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-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-7	2/27/2018	96.74	2.25	NP	--	94.49	--
RW-7	6/12/2018	96.74	5.47	NP	--	91.27	--
RW-7	8/29/2018	96.74	7.51	NP	--	89.23	--
RW-7	11/6/2018	96.74	6.25	NP	--	90.49	--
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	--
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	--

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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
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	--
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	--

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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
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-8	2/27/2018	97.16	2.48	NP	--	94.68	--
RW-8	6/12/2018	97.16	5.48	NP	--	91.68	--
RW-8	8/29/2018	97.16	7.54	NP	--	89.62	--
RW-8	11/6/2018	97.16	6.21	NP	--	90.95	--
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	--
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	--

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-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
RW-9	8/29/2018	97.60	--	--	--	--	NL
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	--
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	--

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	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
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	--	--	--
AG WELL	2/27/2018	--	3.95	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
AG WELL	11/6/2018	--	5.80	NP	--	--	--
AG WELL	11/28/2018	--	5.61	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

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

IW - Insufficient water

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
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
C	2/27/2018	< 3.0*	< 2.0*	< 3.0*	< 3.0*	< 250	210	< 360
C	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	840	< 360
C	11/6/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	3300	680
MW-1	7/2/1992	< 1	< 1	< 1	< 1	--	190000	--

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	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	--
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

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	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
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

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	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-2	2/27/2018	< 3.0*	< 2.0*	< 3.0*	< 3.0*	< 250	810	630
MW-2	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	1600	730
MW-2	8/29/2018	18	< 2.0	4.9	< 3.0	< 500	2900	1100
MW-2	11/6/2018	4.0	< 2.0	< 3.0	< 3.0	< 250	4400	3100
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
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-9	2/27/2018	< 3.0*	< 2.0*	< 3.0*	< 3.0*	< 250	< 110	< 350

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-9	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 2500	< 110	< 350
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
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

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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	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
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

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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	11/28/2017	< 2.0*	< 2.0	< 3.0	< 3.0	< 250	230	< 250
MW-14	2/27/2018	< 3.0*	< 2.0F1*	< 3.0*	< 3.0*	< 250	230 F1	< 360F1
MW-14	6/13/2018	5.0	< 2.0	4.2	< 3.0	410	830	< 360
MW-14	11/6/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	830	< 350
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
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

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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-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
MW-19	2/27/2018	500	< 20	1300	78 *	8000	3800	500
MW-19	6/13/2018	400	10	1300	64	10000	4100	390
MW-19	8/29/2018	640	< 20	890	40	14000 H	3600	< 360
MW-19	11/6/2018	820	9.2	1000	53	9400	3400	400
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

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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	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-20	2/27/2018	< 3.0*	< 2.0*	< 3.0*	< 3.0*	< 250	< 110	< 350
MW-20	6/13/2018	< 15	< 10	< 15	< 15	370	310	< 350
MW-20	8/29/2018	37	< 2.0	< 3.0	< 3.0	870 H	150	< 360
MW-20	11/6/2018	8.5	< 2.0	< 3.0	< 3.0	260	180	< 350
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
MW-21	2/27/2018	38 *	< 20	610	140 *	8900	4500	420
MW-21	6/13/2018	6.3	2.9	460	74	8500	5500	530

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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-21	8/29/2018	19	< 10	230	28	13000 H	7600	1600
MW-21	11/6/2018	48	4.1	410	83	9500	6100	540
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

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-24	7/14/2015	< 40	< 40	270	< 60	4200 F1	820 Y	< 250
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
MW-28	7/19/2016	860	56	340	110	6800	2300	< 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-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
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

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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-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-35	2/27/2018	12000 *	3700	3000	14000 *	110000	4800	< 350
MW-35	8/29/2018	12000	1600	2900	12000	88000 H	7100	< 360
MW-35	11/6/2018	9400	960	3400	14000	54000	7400	450
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
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

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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	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-39	2/27/2018	5.7 *	< 2.0	4.5 *	23 *	< 250	230	< 360
MW-39	6/13/2018	< 3.0	< 2.0	< 3.0F1	< 3.0F1	< 250	190 F1F2	< 350
MW-39	11/6/2018	4.9	< 2.0	< 3.0	8.5	< 250	110	< 350
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
MW-40	4/19/2016	< 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	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-41	2/28/2018	< 3.0*	< 2.0*	< 3.0*	4.4 *	< 250	< 110	< 360
MW-41	6/12/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
MW-41	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 350
MW-41	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	530	< 350
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

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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	1/19/2016	< 2.0	5.2	270	1400	35000	5000 F1	< 250
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-43	2/28/2018	< 3.0*	< 200	< 150*	290 *	21000	4300	< 350
MW-43	6/12/2018	23	14	390	1600	23000	4800	< 350
MW-43	8/30/2018	< 20	< 20	400	1100	27000	7500	< 350
MW-43	11/7/2018	3.6	7.2	310	1500	29000	9700	< 350
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-44	2/28/2018	7.2 *	< 200	630	72 *	6200	1700	< 360
MW-44	6/12/2018	13	3.1	810	69	5800	2200	< 360
MW-44	8/30/2018	58	< 10	500	16	9300	2100	870
MW-44	11/7/2018	8.4	2.1	500	50	5400 F2	1800	< 350
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

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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	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
MW-45	11/28/2017	11	< 2.0	450	4.9	4500	1700	< 250
MW-45	2/27/2018	18 *	2.3	< 300*	6.7 *	5000	5400	< 350
MW-45	6/13/2018	7.6	3.7	690	8.8	6000	3300	< 360
MW-45	8/29/2018	15	< 10	200	< 15	4900	2300	< 350
MW-45	11/6/2018	15	2.6	100	6.4	3900	1700	< 350
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

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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-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
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

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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-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
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

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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-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-54	2/27/2018	< 3.0*	< 2.0*	< 3.0*	< 3.0*	< 250	< 110	< 350
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
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-55	2/28/2018	< 3.0*	< 2.0*	< 3.0	< 3.0*	< 250	< 110	< 350
MW-55	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
MW-55	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 120	< 370
MW-55	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
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-56	2/28/2018	33	34	< 600*	2500 *	18000	1100	< 350
MW-56	6/13/2018	66	100	2500	9400	46000	3500	< 360
MW-56	8/30/2018	< 100	120	2500	9800	48000	5300	< 350
MW-56	11/7/2018	200	74	1500	6900	37000	4700	< 350
MW-56	11/28/2018	--	--	--	--	--	4500	380
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

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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-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-57	6/13/2018	15	< 2.0	< 3.0	< 3.0	270	150	< 360
MW-57	8/30/2018	42	2.3	< 3.0	3.4	1200	220	< 360
MW-57	11/7/2018	4.9	< 2.0	< 3.0	< 3.0	< 250	130	< 350
MW-57	11/28/2018	--	--	--	--	--	< 110	< 350
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
MW-58	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	1600	6100	770
MW-58	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	530	5700	1500
MW-58	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	400	7700	8100
MW-58	11/28/2018	--	--	--	--	--	6000	5400
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-59	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	2300 *	13000	1300
MW-59	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	1000	12000	2700
MW-59	11/7/2018	< 3.0	3.7	< 3.0	< 3.0	1400	6800	1300
MW-59	11/28/2018	--	--	--	--	--	9500	3200
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*

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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-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-60	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	270 *	< 110	< 360
MW-60	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 350
MW-60	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
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-61	2/28/2018	< 3.0*	< 2.0*	< 3.0	5.8 *	< 250	< 110	< 350
MW-61	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250*	< 110	< 360
MW-61	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 350
MW-61	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
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
MW-62	2/28/2018	< 3.0*	< 2.0*	< 3.0	< 3.0*	< 250	< 110	< 350
MW-62	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250*	< 110	< 350
MW-62	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 5000	< 110	< 350
MW-62	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
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

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-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-63	2/28/2018	< 3.0*	< 2.0*	< 3.0	< 3.0*	< 250	300	< 350
MW-63	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250*	< 110	< 350
MW-63	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 350
MW-63	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	160	< 350
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-64	2/28/2018	17 *	2.0 *	< 3.0	6.5 *	1600	2700	430
MW-64	6/12/2018	8.0	< 2.0	< 3.0	5.9	1300 *	2600	< 360
MW-64	8/29/2018	9.9	< 2.0	< 3.0	4.9	1800 H	2400	500
MW-64	11/6/2018	11	< 2.0	< 3.0	9.3	1300	3100	980
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

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-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
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-66	2/27/2018	29 *	< 2.0*	51	< 3.0*	680	480	< 350
MW-66	6/13/2018	140	4.8	240	10	2900 F1F2*	1300	< 350
MW-66	8/29/2018	280	6.4	49	5.1	3700 H	1100	< 350
MW-66	11/6/2018	170	3.5	49	6.8	540	460	< 350
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-67	2/28/2018	7.4 *	< 2.0*	6.9	< 3.0*	< 250	170	< 350
MW-67	6/13/2018	230	8.8	400	36	3000 *	1200	< 360
MW-67	8/30/2018	300	13	710	83	2800 F1	940	< 350
MW-67	11/7/2018	44	< 2.0	72	10	1500	500	< 360
MW-67	11/28/2018	--	--	--	--	--	110	< 350
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-68	2/28/2018	< 3.0*	< 2.0*	< 3.0	< 3.0*	< 250	< 110	< 360
MW-68	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
MW-68	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 350
MW-68	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
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

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-69	2/28/2018	< 3.0*	< 2.0F1*	< 3.0*	< 3.0*	< 250	< 110	< 350
MW-69	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
MW-69	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 360
MW-69	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
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-70	2/28/2018	< 3.0*	< 2.0*	< 3.0	< 3.0*	< 250	< 110	< 350
MW-70	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110F1F2	< 350F1F2
MW-70	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	< 110	< 360
MW-70	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 350
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
MW-71	2/28/2018	< 3.0*	< 2.0*	< 3.0*	< 3.0*	< 250	< 110	< 360
MW-71	6/12/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	200	< 350
MW-71	8/29/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500H	< 110	< 340
MW-71	11/6/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	380	400
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

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
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
AG WELL	2/28/2018	< 3.0*	< 2.0*	< 3.0*	< 3.0*	< 250	< 110	< 350
AG WELL	6/13/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	< 110	< 360
AG WELL	8/30/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 500	110	< 350
AG WELL	11/7/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 250	310	640
AG WELL	11/28/2018	--	--	--	--	--	230	410

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
DW-1	10/16/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 130	< 250

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.

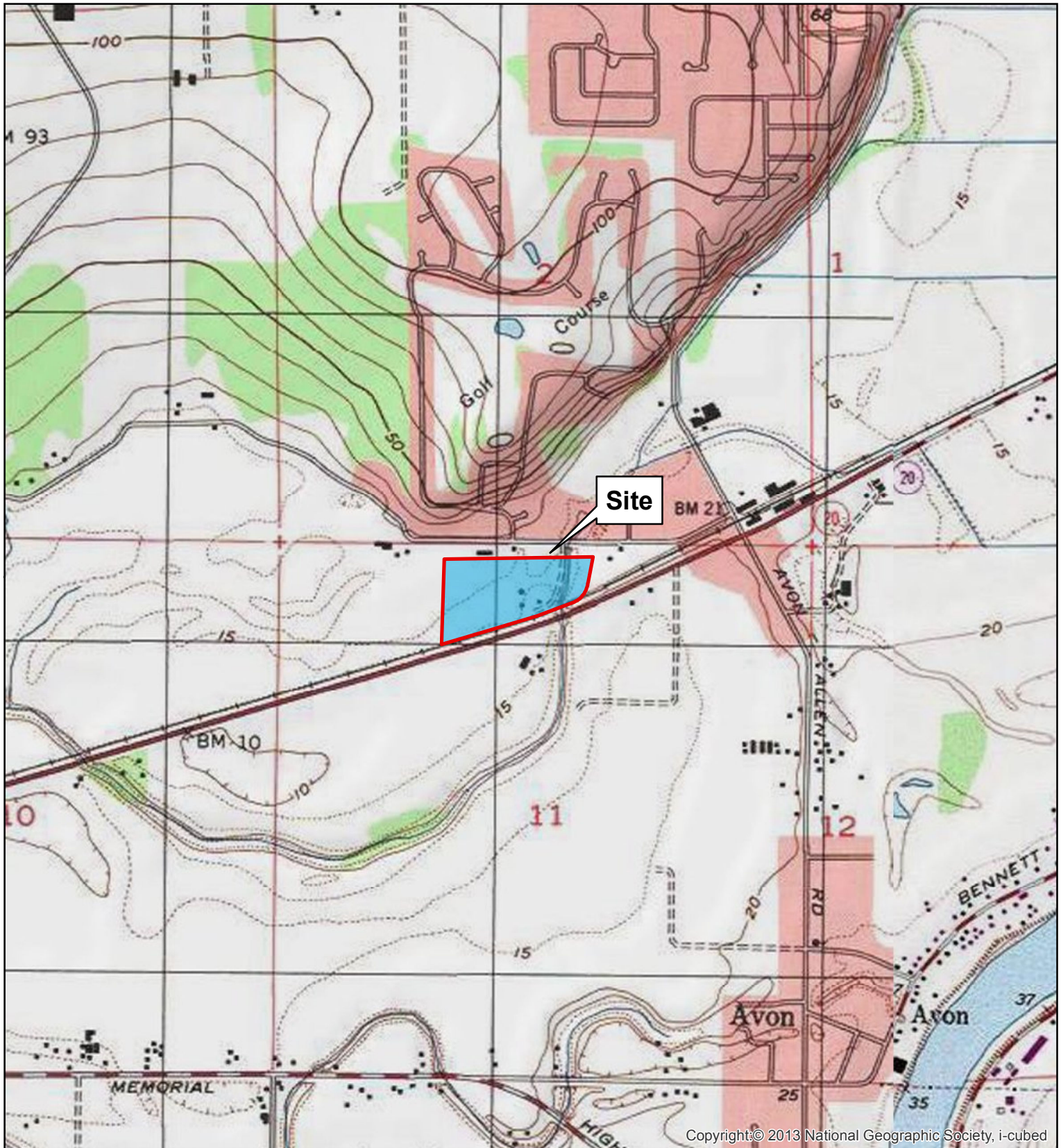
F2 = MS/MSD RPD exceeds control limits

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	Potentiometric Surface Map - August 29, 2018
Figure 3B	Groundwater Analytical Data Map - August 29-30, 2018
Figure 3C	Groundwater Analytical Data Map - August 29-30, 2018
Figure 4A	Potentiometric Surface Map - November 7, 2018
Figure 4B	Groundwater Analytical Data Map - November 6-7, 2018
Figure 4C	Groundwater Analytical Data Map - November 6-7, 2018



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SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAP;
LA CONNER & MT VERNON, WASHINGTON



Washington



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

FIGURE 1

Site Location Map

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

PROJECT NO.

WAALLAA181

PREPARED BY

JH

REF SCALE

1:24,000

DATE

1/9/2019

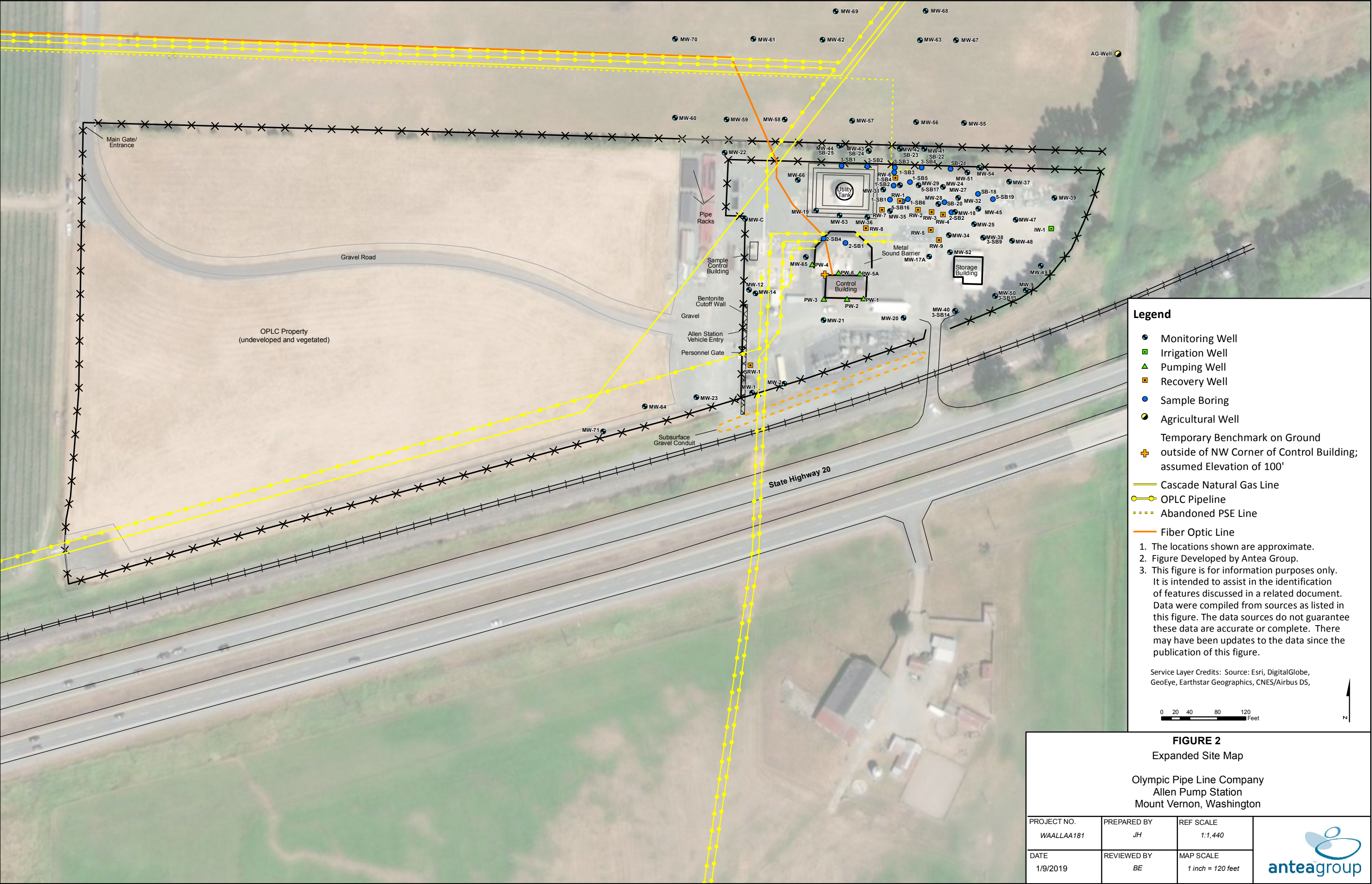
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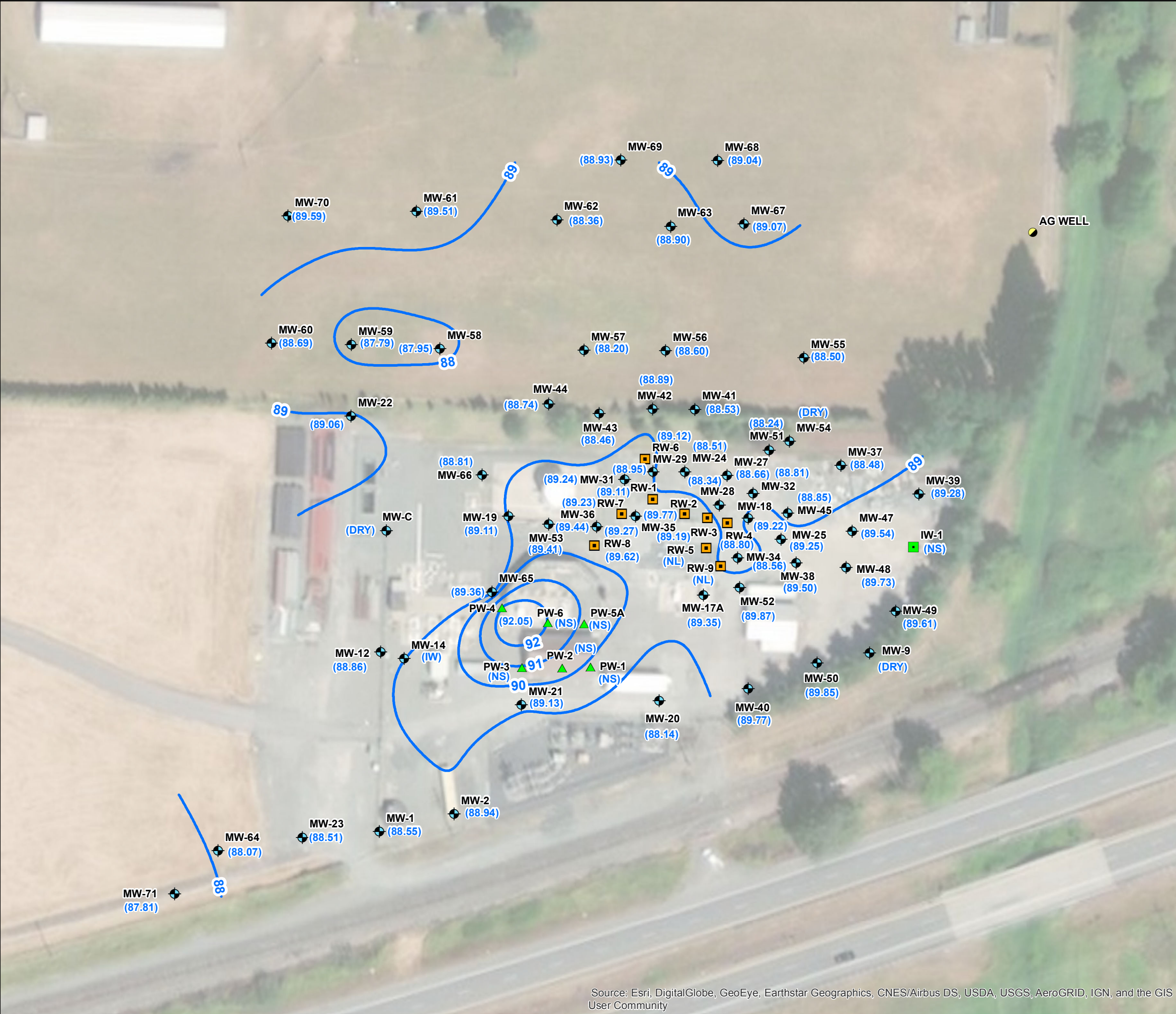
BE

MAP SCALE

1 inch = 2,000 feet







Legend

- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Agricultural Well
- Groundwater Elevation Contour (feet)
Contour Interval = 1 foot
- (89.56) Groundwater Elevation (feet)
- (NS) Not Surveyed
- (NL) Not Located
- (IW) Insufficient Water

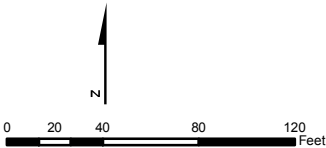


FIGURE 3A
Potentiometric Surface Map
August 29, 2018
Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

PROJECT NO. WAALLAA181	PREPARED BY JH	REF SCALE 1:960	
DATE 1/09/2019	REVIEWED BY BE	MAP SCALE 1 inch = 80 feet	

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

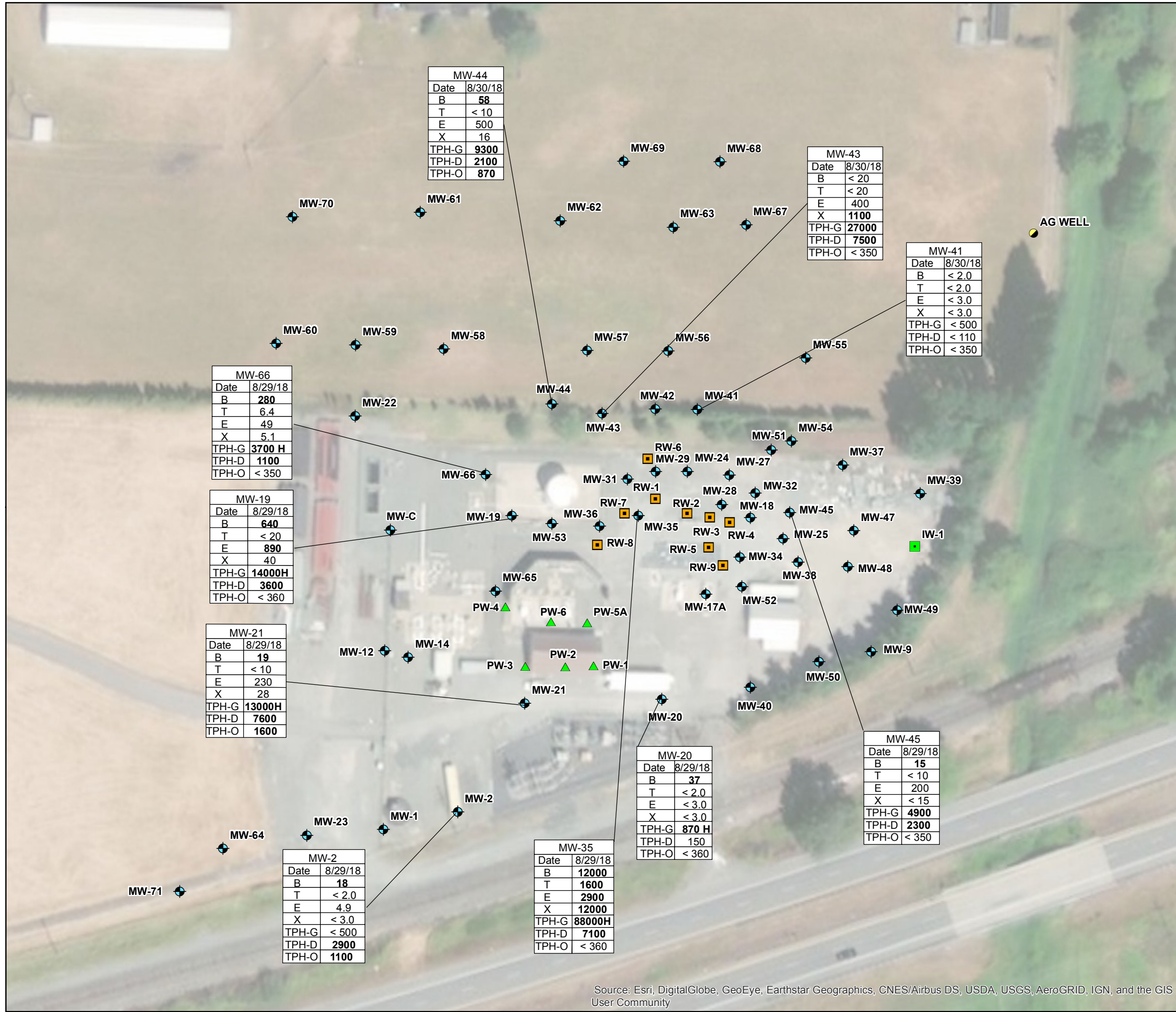


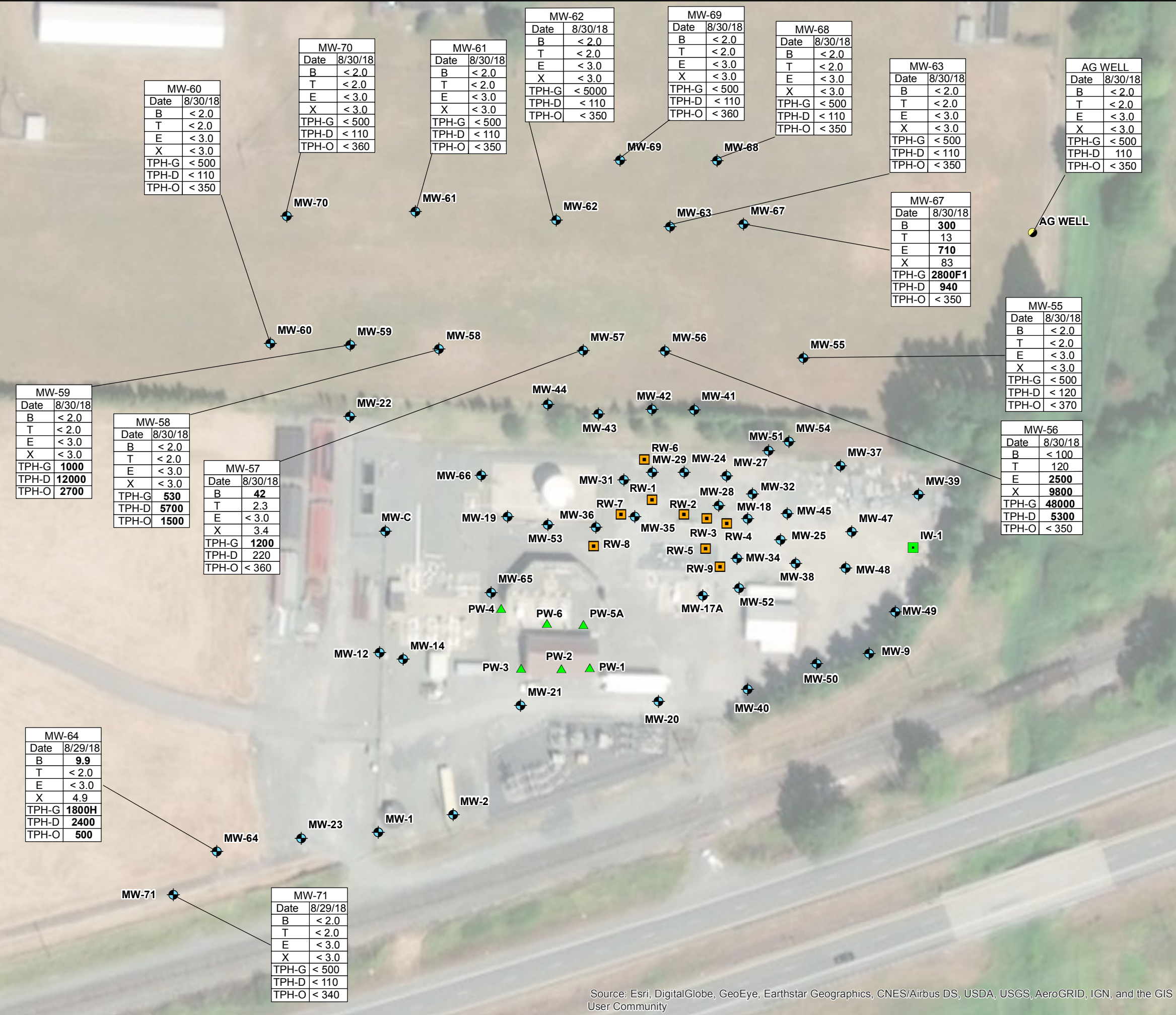
FIGURE 3B
Groundwater Analytical Data Map
August 29 - 30, 2018
Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

PROJECT NO. WAALLAA181	PREPARED BY JH	REF SCALE 1:960
DATE 01/09/19	REVIEWED BY BE	MAP SCALE 1 inch = 80 feet

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

Document Path: \\gis-s3\GIS_Data\Sandbox\Projects\A-E\BP_Seattle\BP_Pipeline\Allen_Station\Layout\2018\3Q18\Fig3a.mxd

anteagroup



Legend

- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Agricultural Well

Notes

All values reported in micrograms per liter (µg/L).

B = Benzene by EPA Method 8260

T = Toluene by EPA Method 8260

E = Ethylbenzene by EPA Method 8260

X = Total Xylenes by EPA Method 8260

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

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

MTCA = Model Toxics Control Act

BOLD = concentrations in excess of MTCA Method A Cleanup Levels

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

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

FIGURE 3C

Groundwater Analytical Data Map

August 29-30, 2018

Olympic Pipe Line Company

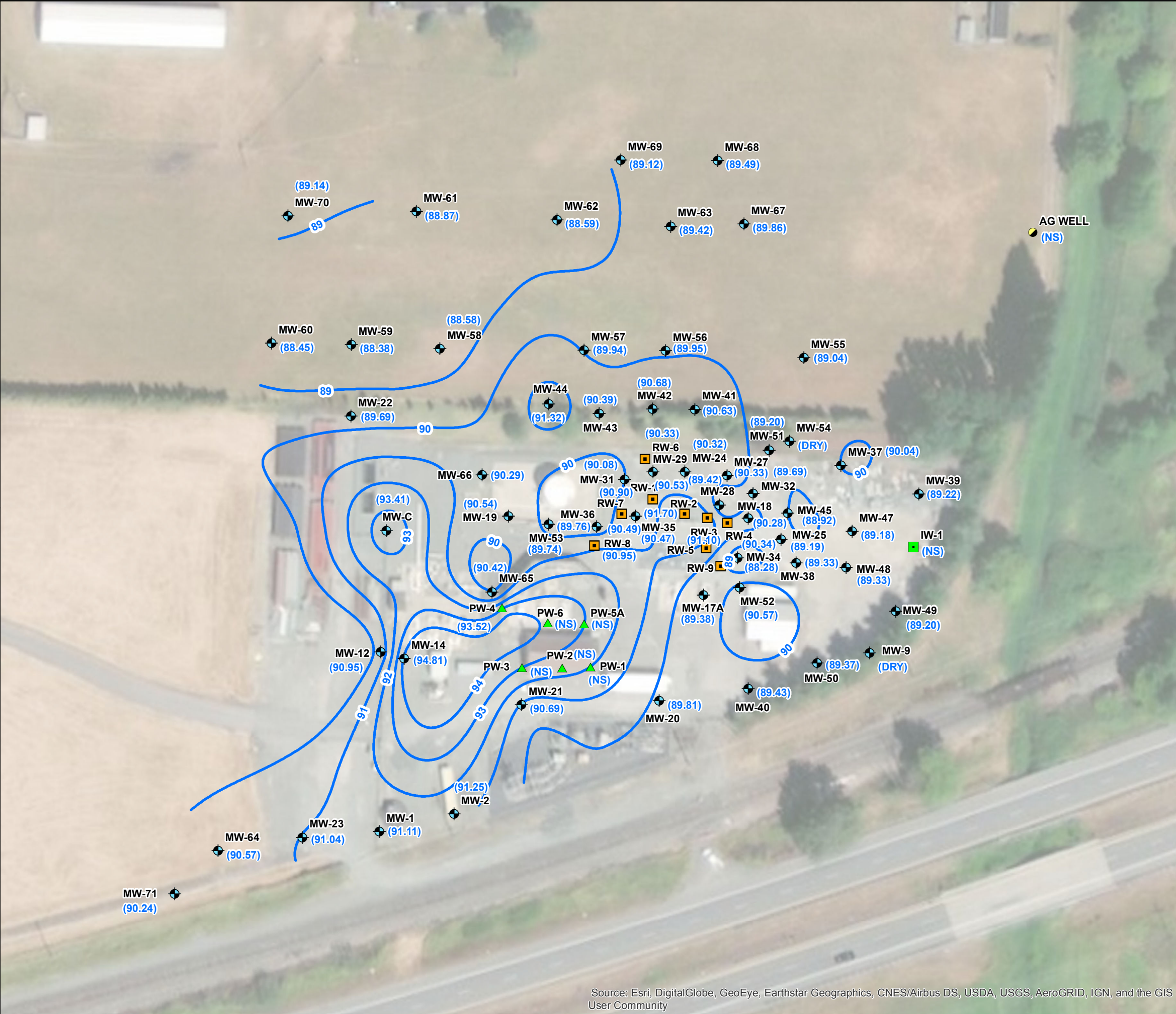
Allen Pump Station

Mount Vernon, Washington

PROJECT NO. WAALLAA181	PREPARED BY JH	REF SCALE 1:960
DATE 01/09/2019	REVIEWED BY BE	MAP SCALE 1 inch = 80 feet

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

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Legend

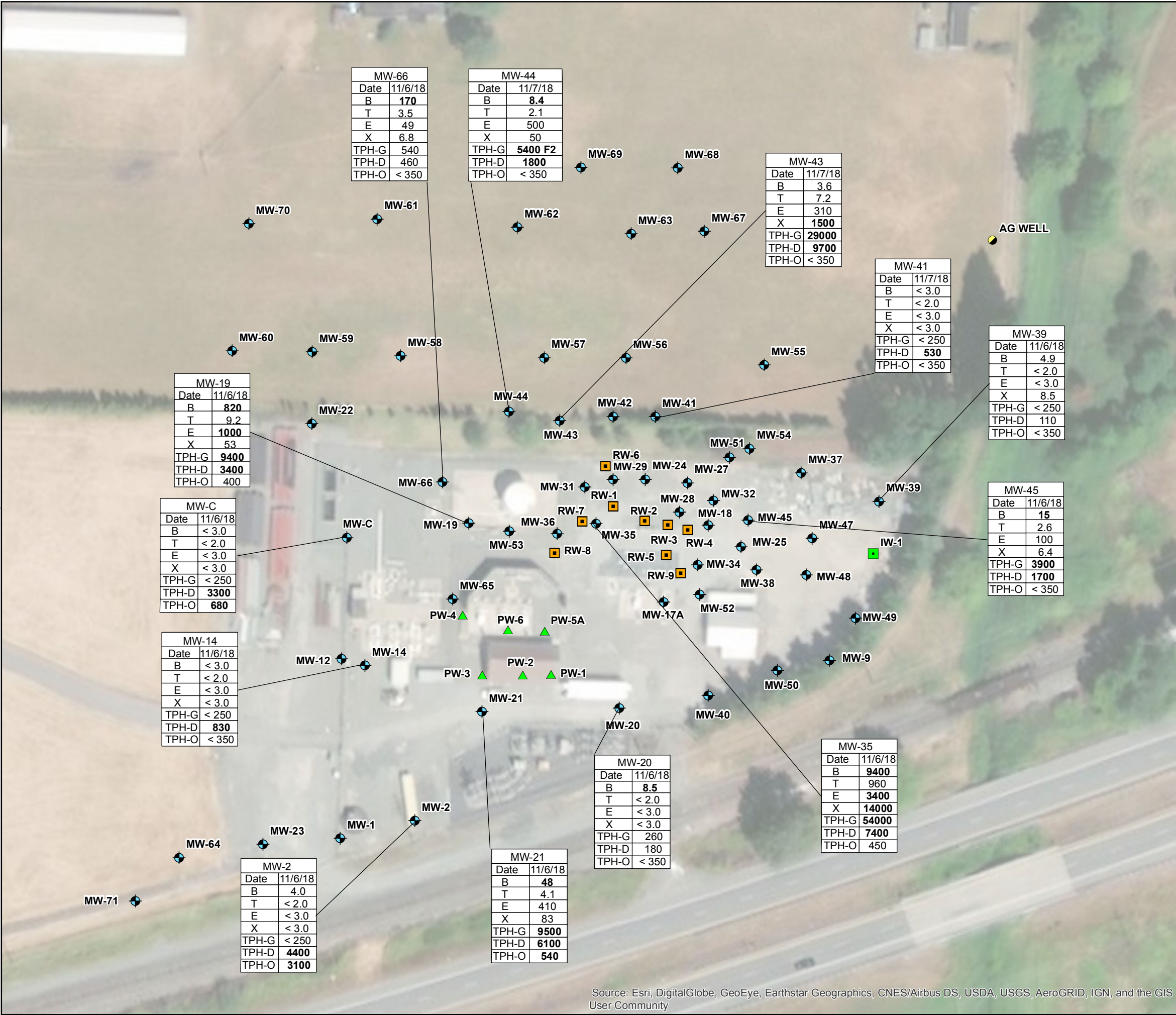
- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Agricultural Well
- Groundwater Elevation Contour (feet)
Contour Interval = 1 foot
- (89.56) Groundwater Elevation (feet)
- (NS) Not Surveyed

FIGURE 4A

Potentiometric Surface Map
November 7, 2018
Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

PROJECT NO. WAALLAA181	PREPARED BY JH	REF SCALE 1:960	
DATE 01/09/2019	REVIEWED BY BE	MAP SCALE 1 inch = 80 feet	

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



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

FIGURE 4B
Groundwater Analytical Data Map
November 6- 7, 2018
Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

PROJECT NO. WAALLAA181	PREPARED BY JH	REF SCALE 1:960
DATE 01/09/19	REVIEWED BY BE	MAP SCALE 1 inch = 80 feet

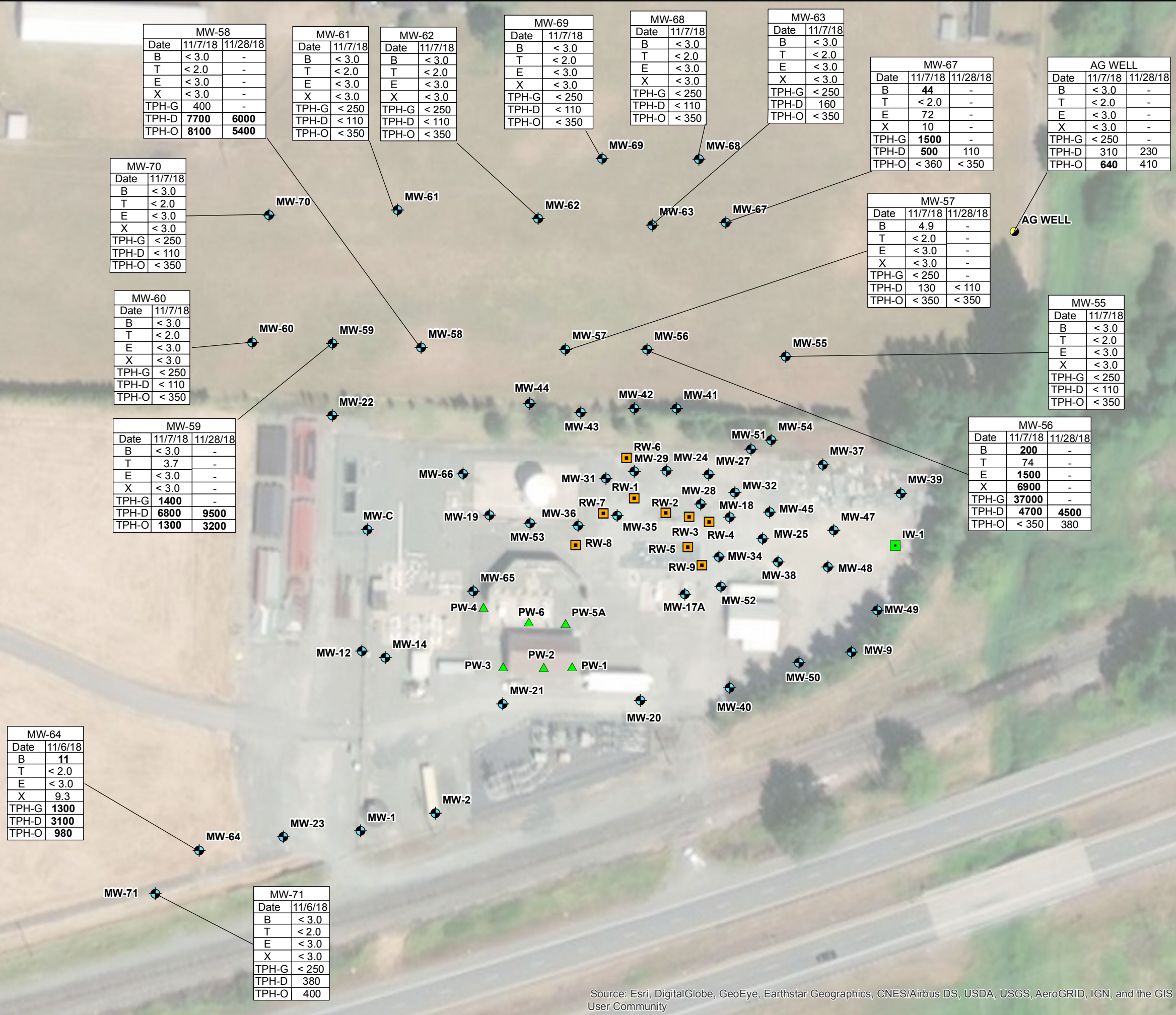


FIGURE 4C
Groundwater Analytical Data Map
November 6 - 7, 2018
Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

PROJECT NO. WAALLAA181	PREPARED BY JH	REF SCALE 1:960
DATE 1/9/2019	REVIEWED BY BE	MAP SCALE 1 inch = 80 feet

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: 580-80027-1

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

Kristine D. Allen

Authorized for release by:

9/18/2018 5:19:53 PM

Kristine Allen, Manager of Project Management
(253)248-4970

kristine.allen@testamericainc.com

Designee for

Elaine Walker, Project Manager II
(253)248-4972

elaine.walker@testamericainc.com

LINKS

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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.

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. 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.



Kristine Allen
Manager of Project Management
9/18/2018 5:19:54 PM



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Case Narrative

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

TestAmerica Job ID: 580-80027-1

Job ID: 580-80027-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-80027-1

Comments

No additional comments.

Receipt

The samples were received on 8/31/2018 12:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.8° C, 5.6° C, 5.8° C and 6.4° C.

Receipt Exceptions

The client did not provide any containers for the following samples Trip Blank-1 (580-80027-27), Trip Blank-2 (580-80027-28) and Trip Blank-3 (580-80027-29)

GC/MS VOA

Method(s) 8260C: The following samples were diluted due to the nature of the sample matrix: MW-21_20180829 (580-80027-4), MW-44_20180830 (580-80027-8), MW-45_20180829 (580-80027-9) and MW-67_20180830 (580-80027-21). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted due to the nature of the sample matrix: MW-19_20180829 (580-80027-2), MW-43_20180830 (580-80027-7) and MW-56_20180830 (580-80027-11). 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: Both in hold and out of hold data is reported for the following sample(s) due to the sample needing a dilution: MW-19_20180829 (580-80027-2), MW-20_20180829 (580-80027-3), MW-21_20180829 (580-80027-4), MW-35_20180829 (580-80027-5).

Method(s) NWTPH-Gx: The following sample(s) was analyzed outside of analytical holding time due to instrumentation issues: MW-19_20180829 (580-80027-2), MW-20_20180829 (580-80027-3), MW-21_20180829 (580-80027-4), MW-35_20180829 (580-80027-5), MW-64_20180829 (580-80027-19) and MW-66_20180829 (580-80027-20), MW-71_20180829 (580-80027-25), Dup-1_20180830 (580-80027-30) and Dup-2_20180830 (580-80027-31).

Method(s) NWTPH-Gx: Surrogate recovery for the following sample was outside control limits: MW-21_20180829 (580-80027-4). 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 continuing calibration verification (CCV) associated with batch 580-283128 recovered above the upper control limit for #2 Diesel (C10-C24). 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-41_20180830 (580-80027-6), MW-55_20180830 (580-80027-10), MW-60_20180830 (580-80027-15), MW-61_20180830 (580-80027-16), MW-62_20180830 (580-80027-17), MW-63_20180830 (580-80027-18) and (CCV 580-283128/35).

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-19_20180829 (580-80027-2).

Method(s) NWTPH-Dx: Surrogate recovery for the following samples were outside control limits: MW-20_20180829 (580-80027-3) and MW-44_20180830 (580-80027-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was

Case Narrative

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

TestAmerica Job ID: 580-80027-1

Job ID: 580-80027-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-20_20180829 (580-80027-3), MW-21_20180829 (580-80027-4), MW-35_20180829 (580-80027-5), MW-43_20180830 (580-80027-7), MW-44_20180830 (580-80027-8), MW-45_20180829 (580-80027-9), MW-56_20180830 (580-80027-11) and MW-57_20180830 (580-80027-12).

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

Organic Prep

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

VOA Prep

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

Definitions/Glossary

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

TestAmerica Job ID: 580-80027-1

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.

GC VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside control limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside 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: 580-80027-1

Client Sample ID: MW-2_20180829

Lab Sample ID: 580-80027-1

Date Collected: 08/29/18 16:15

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	18		2.0		ug/L			09/07/18 17:07	1
Ethylbenzene	4.9		3.0		ug/L			09/07/18 17:07	1
Toluene	ND		2.0		ug/L			09/07/18 17:07	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		09/07/18 17:07	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/07/18 17:07	1
Dibromofluoromethane (Surr)	106		70 - 130		09/07/18 17:07	1
Toluene-d8 (Surr)	98		70 - 130		09/07/18 17:07	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			09/12/18 15:37	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	109		50 - 150		09/12/18 15:37	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)	2900		110		ug/L		09/02/18 12:09	09/04/18 22:21	1
Motor Oil (>C24-C36)	1100		350		ug/L		09/02/18 12:09	09/04/18 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	09/02/18 12:09	09/04/18 22:21	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-19_20180829

Lab Sample ID: 580-80027-2

Date Collected: 08/29/18 11:30

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	640		20		ug/L			09/08/18 07:38	10
Ethylbenzene	890		30		ug/L			09/08/18 07:38	10
Toluene	ND		20		ug/L			09/08/18 07:38	10
Xylenes, Total	40		30		ug/L			09/08/18 07:38	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130					09/08/18 07:38	10
4-Bromofluorobenzene (Surr)	93		70 - 130					09/08/18 07:38	10
Dibromofluoromethane (Surr)	106		70 - 130					09/08/18 07:38	10
Toluene-d8 (Surr)	97		70 - 130					09/08/18 07:38	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	14000	E	500		ug/L			09/12/18 16:08	1
-C6-C12									
Gasoline Range Organics (GRO)	14000	H	5000		ug/L			09/13/18 10:05	10
-C6-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	222	X	50 - 150					09/12/18 16:08	1
a,a,a-Trifluorotoluene	87		50 - 150					09/13/18 10:05	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)	3600		110		ug/L		09/02/18 12:09	09/04/18 22:43	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/02/18 12:09	09/04/18 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150				09/02/18 12:09	09/04/18 22:43	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-20_20180829

Lab Sample ID: 580-80027-3

Date Collected: 08/29/18 12:50

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	37		2.0		ug/L			09/07/18 20:45	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 20:45	1
Toluene	ND		2.0		ug/L			09/07/18 20:45	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130					09/07/18 20:45	1
4-Bromofluorobenzene (Surr)	94		70 - 130					09/07/18 20:45	1
Dibromofluoromethane (Surr)	108		70 - 130					09/07/18 20:45	1
Toluene-d8 (Surr)	96		70 - 130					09/07/18 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	930		500		ug/L			09/12/18 16:39	1
-C6-C12									
Gasoline Range Organics (GRO)	870	H	500		ug/L			09/13/18 09:34	1
-C6-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	108		50 - 150					09/12/18 16:39	1
a,a,a-Trifluorotoluene	81		50 - 150					09/13/18 09:34	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)	150		110		ug/L		09/02/18 12:09	09/05/18 14:51	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/02/18 12:09	09/05/18 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	22	X	50 - 150				09/02/18 12:09	09/05/18 14:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-21_20180829

Lab Sample ID: 580-80027-4

Date Collected: 08/29/18 15:15

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19		10		ug/L			09/07/18 21:40	5
Ethylbenzene	230		15		ug/L			09/07/18 21:40	5
Toluene	ND		10		ug/L			09/07/18 21:40	5
Xylenes, Total	28		15		ug/L			09/07/18 21:40	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		09/07/18 21:40	5
4-Bromofluorobenzene (Surr)	94		70 - 130		09/07/18 21:40	5
Dibromofluoromethane (Surr)	105		70 - 130		09/07/18 21:40	5
Toluene-d8 (Surr)	96		70 - 130		09/07/18 21:40	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	12000	E	500		ug/L			09/12/18 17:10	1
-C6-C12									
Gasoline Range Organics (GRO)	13000	H	5000		ug/L			09/13/18 10:35	10
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	257	X	50 - 150		09/12/18 17:10	1
a,a,a-Trifluorotoluene	74		50 - 150		09/13/18 10:35	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)	7600		110		ug/L		09/02/18 12:09	09/05/18 15:13	1
Motor Oil (>C24-C36)	1600		350		ug/L		09/02/18 12:09	09/05/18 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	99		50 - 150	09/02/18 12:09	09/05/18 15:13	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-35_20180829

Lab Sample ID: 580-80027-5

Date Collected: 08/29/18 11:55

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12000		200		ug/L			09/08/18 08:33	100
Ethylbenzene	2900		300		ug/L			09/08/18 08:33	100
Toluene	1600		200		ug/L			09/08/18 08:33	100
Xylenes, Total	12000		300		ug/L			09/08/18 08:33	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		09/08/18 08:33	100
4-Bromofluorobenzene (Surr)	93		70 - 130		09/08/18 08:33	100
Dibromofluoromethane (Surr)	108		70 - 130		09/08/18 08:33	100
Toluene-d8 (Surr)	98		70 - 130		09/08/18 08:33	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	60000	E	500		ug/L			09/12/18 17:40	1
-C6-C12									
Gasoline Range Organics (GRO)	88000	H	25000		ug/L			09/13/18 11:06	50
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	72		50 - 150		09/12/18 17:40	1
a,a,a-Trifluorotoluene	102		50 - 150		09/13/18 11:06	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)	7100		110		ug/L		09/02/18 12:09	09/05/18 15:35	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/02/18 12:09	09/05/18 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150	09/02/18 12:09	09/05/18 15:35	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-41_20180830

Lab Sample ID: 580-80027-6

Date Collected: 08/30/18 09:25

Matrix: Water

Date Received: 08/31/18 12:00

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			09/07/18 17:35	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 17:35	1
Toluene	ND		2.0		ug/L			09/07/18 17:35	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		09/07/18 17:35	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/07/18 17:35	1
Dibromofluoromethane (Surr)	104		70 - 130		09/07/18 17:35	1
Toluene-d8 (Surr)	98		70 - 130		09/07/18 17:35	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			09/13/18 12:08	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	105		50 - 150		09/13/18 12:08	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		110		ug/L		09/02/18 12:09	09/05/18 00:34	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	09/02/18 12:09	09/05/18 00:34	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-43_20180830

Lab Sample ID: 580-80027-7

Date Collected: 08/30/18 09:45

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/L			09/08/18 07:11	10
Ethylbenzene	400		30		ug/L			09/08/18 07:11	10
Toluene	ND		20		ug/L			09/08/18 07:11	10
Xylenes, Total	1100		30		ug/L			09/08/18 07:11	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 130					09/08/18 07:11	10
4-Bromofluorobenzene (Surr)	94		70 - 130					09/08/18 07:11	10
Dibromofluoromethane (Surr)	107		70 - 130					09/08/18 07:11	10
Toluene-d8 (Surr)	96		70 - 130					09/08/18 07:11	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	27000		13000		ug/L			09/13/18 14:55	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	107		50 - 150					09/13/18 14:55	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)	7500		110		ug/L		09/02/18 12:09	09/05/18 15:57	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150				09/02/18 12:09	09/05/18 15:57	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-44_20180830

Lab Sample ID: 580-80027-8

Date Collected: 08/30/18 10:00

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	58		10		ug/L			09/07/18 22:07	5
Ethylbenzene	500		15		ug/L			09/07/18 22:07	5
Toluene	ND		10		ug/L			09/07/18 22:07	5
Xylenes, Total	16		15		ug/L			09/07/18 22:07	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 130					09/07/18 22:07	5
4-Bromofluorobenzene (Surr)	93		70 - 130					09/07/18 22:07	5
Dibromofluoromethane (Surr)	105		70 - 130					09/07/18 22:07	5
Toluene-d8 (Surr)	95		70 - 130					09/07/18 22:07	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	9300		5000		ug/L			09/13/18 15:27	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	96		50 - 150					09/13/18 15:27	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)	2100		110		ug/L		09/02/18 12:09	09/05/18 16:48	1
Motor Oil (>C24-C36)	870		350		ug/L		09/02/18 12:09	09/05/18 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	161	X	50 - 150				09/02/18 12:09	09/05/18 16:48	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-45_20180829

Lab Sample ID: 580-80027-9

Date Collected: 08/29/18 12:25

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15		10		ug/L			09/07/18 22:34	5
Ethylbenzene	200		15		ug/L			09/07/18 22:34	5
Toluene	ND		10		ug/L			09/07/18 22:34	5
Xylenes, Total	ND		15		ug/L			09/07/18 22:34	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 130					09/07/18 22:34	5
4-Bromofluorobenzene (Surr)	94		70 - 130					09/07/18 22:34	5
Dibromofluoromethane (Surr)	104		70 - 130					09/07/18 22:34	5
Toluene-d8 (Surr)	97		70 - 130					09/07/18 22:34	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	4900		500		ug/L			09/12/18 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		50 - 150					09/12/18 19:53	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)	2300		110		ug/L		09/02/18 12:09	09/05/18 17:10	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150				09/02/18 12:09	09/05/18 17:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-55_20180830

Lab Sample ID: 580-80027-10

Date Collected: 08/30/18 10:46

Matrix: Water

Date Received: 08/31/18 12:00

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			09/08/18 05:22	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 05:22	1
Toluene	ND		2.0		ug/L			09/08/18 05:22	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 05:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130					09/08/18 05:22	1
4-Bromofluorobenzene (Surr)	95		70 - 130					09/08/18 05:22	1
Dibromofluoromethane (Surr)	107		70 - 130					09/08/18 05:22	1
Toluene-d8 (Surr)	97		70 - 130					09/08/18 05:22	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			09/12/18 20:29	1
-C6-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150					09/12/18 20:29	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)	ND		120		ug/L		09/02/18 12:09	09/05/18 02:02	1
Motor Oil (>C24-C36)	ND		370		ug/L		09/02/18 12:09	09/05/18 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				09/02/18 12:09	09/05/18 02:02	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-56_20180830

Lab Sample ID: 580-80027-11

Date Collected: 08/30/18 11:10

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		100		ug/L			09/08/18 08:05	50
Ethylbenzene	2500		150		ug/L			09/08/18 08:05	50
Toluene	120		100		ug/L			09/08/18 08:05	50
Xylenes, Total	9800		150		ug/L			09/08/18 08:05	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		09/08/18 08:05	50
4-Bromofluorobenzene (Surr)	95		70 - 130		09/08/18 08:05	50
Dibromofluoromethane (Surr)	105		70 - 130		09/08/18 08:05	50
Toluene-d8 (Surr)	97		70 - 130		09/08/18 08:05	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	48000		13000		ug/L			09/13/18 08:55	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		50 - 150		09/13/18 08:55	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		09/02/18 12:09	09/05/18 17:32	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	09/02/18 12:09	09/05/18 17:32	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-57_20180830

Lab Sample ID: 580-80027-12

Date Collected: 08/30/18 11:45

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	42		2.0		ug/L			09/08/18 05:49	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 05:49	1
Toluene	2.3		2.0		ug/L			09/08/18 05:49	1
Xylenes, Total	3.4		3.0		ug/L			09/08/18 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130					09/08/18 05:49	1
4-Bromofluorobenzene (Surr)	94		70 - 130					09/08/18 05:49	1
Dibromofluoromethane (Surr)	105		70 - 130					09/08/18 05:49	1
Toluene-d8 (Surr)	98		70 - 130					09/08/18 05:49	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	1200		500		ug/L			09/13/18 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150					09/13/18 17:00	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)	220		110		ug/L		09/02/18 12:09	09/05/18 17:54	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/02/18 12:09	09/05/18 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150				09/02/18 12:09	09/05/18 17:54	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-58_20180830

Lab Sample ID: 580-80027-13

Date Collected: 08/30/18 12:20

Matrix: Water

Date Received: 08/31/18 12:00

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			09/07/18 18:02	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 18:02	1
Toluene	ND		2.0		ug/L			09/07/18 18:02	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		09/07/18 18:02	1
4-Bromofluorobenzene (Surr)	94		70 - 130		09/07/18 18:02	1
Dibromofluoromethane (Surr)	109		70 - 130		09/07/18 18:02	1
Toluene-d8 (Surr)	97		70 - 130		09/07/18 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	530		500		ug/L			09/13/18 08:19	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		50 - 150		09/13/18 08:19	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)	5700		110		ug/L		09/02/18 12:09	09/05/18 19:23	1
Motor Oil (>C24-C36)	1500		360		ug/L		09/02/18 12:09	09/05/18 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150	09/02/18 12:09	09/05/18 19:23	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-59_20180830

Lab Sample ID: 580-80027-14

Date Collected: 08/30/18 12:45

Matrix: Water

Date Received: 08/31/18 12:00

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			09/07/18 18:29	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 18:29	1
Toluene	ND		2.0		ug/L			09/07/18 18:29	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		09/07/18 18:29	1
4-Bromofluorobenzene (Surr)	96		70 - 130		09/07/18 18:29	1
Dibromofluoromethane (Surr)	106		70 - 130		09/07/18 18:29	1
Toluene-d8 (Surr)	98		70 - 130		09/07/18 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	1000		500		ug/L			09/12/18 22:16	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		09/12/18 22:16	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)	12000		110		ug/L		09/02/18 12:09	09/05/18 19:45	1
Motor Oil (>C24-C36)	2700		360		ug/L		09/02/18 12:09	09/05/18 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	09/02/18 12:09	09/05/18 19:45	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-60_20180830

Lab Sample ID: 580-80027-15

Date Collected: 08/30/18 12:25

Matrix: Water

Date Received: 08/31/18 12:00

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			09/07/18 18:56	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 18:56	1
Toluene	ND		2.0		ug/L			09/07/18 18:56	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		09/07/18 18:56	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/07/18 18:56	1
Dibromofluoromethane (Surr)	104		70 - 130		09/07/18 18:56	1
Toluene-d8 (Surr)	97		70 - 130		09/07/18 18:56	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			09/12/18 22:51	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		50 - 150		09/12/18 22:51	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		110		ug/L		09/02/18 12:09	09/05/18 04:58	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	09/02/18 12:09	09/05/18 04:58	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-61_20180830

Lab Sample ID: 580-80027-16

Date Collected: 08/30/18 11:35

Matrix: Water

Date Received: 08/31/18 12:00

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			09/07/18 19:23	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 19:23	1
Toluene	ND		2.0		ug/L			09/07/18 19:23	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		09/07/18 19:23	1
4-Bromofluorobenzene (Surr)	94		70 - 130		09/07/18 19:23	1
Dibromofluoromethane (Surr)	106		70 - 130		09/07/18 19:23	1
Toluene-d8 (Surr)	97		70 - 130		09/07/18 19:23	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			09/12/18 23:27	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		50 - 150		09/12/18 23:27	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		09/02/18 12:09	09/05/18 05:20	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	09/02/18 12:09	09/05/18 05:20	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-62_20180830

Lab Sample ID: 580-80027-17

Date Collected: 08/30/18 11:15

Matrix: Water

Date Received: 08/31/18 12:00

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			09/07/18 19:51	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 19:51	1
Toluene	ND		2.0		ug/L			09/07/18 19:51	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		09/07/18 19:51	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/07/18 19:51	1
Dibromofluoromethane (Surr)	107		70 - 130		09/07/18 19:51	1
Toluene-d8 (Surr)	98		70 - 130		09/07/18 19:51	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		5000		ug/L			09/13/18 00:02	10
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		50 - 150		09/13/18 00:02	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)	ND		110		ug/L		09/02/18 12:09	09/05/18 05:42	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	09/02/18 12:09	09/05/18 05:42	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-63_20180830

Lab Sample ID: 580-80027-18

Date Collected: 08/30/18 10:50

Matrix: Water

Date Received: 08/31/18 12:00

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			09/07/18 20:18	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 20:18	1
Toluene	ND		2.0		ug/L			09/07/18 20:18	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130					09/07/18 20:18	1
4-Bromofluorobenzene (Surr)	94		70 - 130					09/07/18 20:18	1
Dibromofluoromethane (Surr)	105		70 - 130					09/07/18 20:18	1
Toluene-d8 (Surr)	98		70 - 130					09/07/18 20:18	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			09/13/18 01:49	1
-C6-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150					09/13/18 01:49	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)	ND		110		ug/L		09/02/18 12:09	09/05/18 06:04	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/05/18 06:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150				09/02/18 12:09	09/05/18 06:04	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-64_20180829

Lab Sample ID: 580-80027-19

Date Collected: 08/29/18 16:35

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.9		2.0		ug/L			09/08/18 06:16	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 06:16	1
Toluene	ND		2.0		ug/L			09/08/18 06:16	1
Xylenes, Total	4.9		3.0		ug/L			09/08/18 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130					09/08/18 06:16	1
4-Bromofluorobenzene (Surr)	93		70 - 130					09/08/18 06:16	1
Dibromofluoromethane (Surr)	105		70 - 130					09/08/18 06:16	1
Toluene-d8 (Surr)	95		70 - 130					09/08/18 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	1800	H	500		ug/L			09/13/18 08:15	1
-C6-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	96		50 - 150					09/13/18 08:15	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)	2400		110		ug/L		09/05/18 15:19	09/07/18 12:10	1
Motor Oil (>C24-C36)	500		360		ug/L		09/05/18 15:19	09/07/18 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150				09/05/18 15:19	09/07/18 12:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-66_20180829

Lab Sample ID: 580-80027-20

Date Collected: 08/29/18 11:10

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	280		10		ug/L			09/10/18 16:42	5
Ethylbenzene	49		3.0		ug/L			09/08/18 06:44	1
Toluene	6.4		2.0		ug/L			09/08/18 06:44	1
Xylenes, Total	5.1		3.0		ug/L			09/08/18 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		09/08/18 06:44	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		09/10/18 16:42	5
4-Bromofluorobenzene (Surr)	94		70 - 130		09/08/18 06:44	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/10/18 16:42	5
Dibromofluoromethane (Surr)	102		70 - 130		09/08/18 06:44	1
Dibromofluoromethane (Surr)	105		70 - 130		09/10/18 16:42	5
Toluene-d8 (Surr)	95		70 - 130		09/08/18 06:44	1
Toluene-d8 (Surr)	96		70 - 130		09/10/18 16:42	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	3700	H	500		ug/L			09/13/18 08:46	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	81		50 - 150		09/13/18 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)	1100		110		ug/L		09/05/18 15:19	09/07/18 12:31	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/05/18 15:19	09/07/18 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	09/05/18 15:19	09/07/18 12:31	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-67_20180830

Lab Sample ID: 580-80027-21

Date Collected: 08/30/18 10:15

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	300		10		ug/L			09/07/18 21:12	5
Ethylbenzene	710		15		ug/L			09/07/18 21:12	5
Toluene	13		10		ug/L			09/07/18 21:12	5
Xylenes, Total	83		15		ug/L			09/07/18 21:12	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 130					09/07/18 21:12	5
4-Bromofluorobenzene (Surr)	92		70 - 130					09/07/18 21:12	5
Dibromofluoromethane (Surr)	103		70 - 130					09/07/18 21:12	5
Toluene-d8 (Surr)	95		70 - 130					09/07/18 21:12	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	2800	F1	500		ug/L			09/13/18 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		50 - 150					09/13/18 02:24	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)	940		110		ug/L		09/05/18 15:19	09/07/18 12:54	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/05/18 15:19	09/07/18 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150				09/05/18 15:19	09/07/18 12:54	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-68_20180830

Lab Sample ID: 580-80027-22

Date Collected: 08/30/18 10:00

Matrix: Water

Date Received: 08/31/18 12:00

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			09/08/18 03:06	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 03:06	1
Toluene	ND		2.0		ug/L			09/08/18 03:06	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		09/08/18 03:06	1
4-Bromofluorobenzene (Surr)	95		70 - 130		09/08/18 03:06	1
Dibromofluoromethane (Surr)	107		70 - 130		09/08/18 03:06	1
Toluene-d8 (Surr)	98		70 - 130		09/08/18 03:06	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			09/13/18 04:10	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		50 - 150		09/13/18 04:10	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		110		ug/L		09/05/18 15:19	09/07/18 14:00	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/05/18 15:19	09/07/18 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	09/05/18 15:19	09/07/18 14:00	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-69_20180830

Lab Sample ID: 580-80027-23

Date Collected: 08/30/18 09:25

Matrix: Water

Date Received: 08/31/18 12:00

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			09/08/18 03:33	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 03:33	1
Toluene	ND		2.0		ug/L			09/08/18 03:33	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130		09/08/18 03:33	1
4-Bromofluorobenzene (Surr)	95		70 - 130		09/08/18 03:33	1
Dibromofluoromethane (Surr)	107		70 - 130		09/08/18 03:33	1
Toluene-d8 (Surr)	98		70 - 130		09/08/18 03:33	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			09/13/18 04:46	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		09/13/18 04:46	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		09/05/18 15:19	09/07/18 14:22	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/05/18 15:19	09/07/18 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	09/05/18 15:19	09/07/18 14:22	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-70_20180830

Lab Sample ID: 580-80027-24

Date Collected: 08/30/18 11:55

Matrix: Water

Date Received: 08/31/18 12:00

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			09/08/18 04:00	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 04:00	1
Toluene	ND		2.0		ug/L			09/08/18 04:00	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		09/08/18 04:00	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/08/18 04:00	1
Dibromofluoromethane (Surr)	106		70 - 130		09/08/18 04:00	1
Toluene-d8 (Surr)	97		70 - 130		09/08/18 04:00	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			09/13/18 05:21	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		09/13/18 05:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		09/05/18 15:19	09/07/18 15:06	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/05/18 15:19	09/07/18 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	09/05/18 15:19	09/07/18 15:06	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-71_20180829

Lab Sample ID: 580-80027-25

Date Collected: 08/29/18 17:00

Matrix: Water

Date Received: 08/31/18 12:00

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			09/08/18 04:28	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 04:28	1
Toluene	ND		2.0		ug/L			09/08/18 04:28	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		09/08/18 04:28	1
4-Bromofluorobenzene (Surr)	94		70 - 130		09/08/18 04:28	1
Dibromofluoromethane (Surr)	106		70 - 130		09/08/18 04:28	1
Toluene-d8 (Surr)	97		70 - 130		09/08/18 04:28	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	H	500		ug/L			09/13/18 05:57	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		09/13/18 05:57	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)	ND		110		ug/L		09/05/18 15:19	09/07/18 15:28	1
Motor Oil (>C24-C36)	ND		340		ug/L		09/05/18 15:19	09/07/18 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	09/05/18 15:19	09/07/18 15:28	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: AG-WELL_

Lab Sample ID: 580-80027-26

Date Collected: 08/30/18 10:30

Matrix: Water

Date Received: 08/31/18 12:00

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			09/08/18 04:55	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 04:55	1
Toluene	ND		2.0		ug/L			09/08/18 04:55	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130					09/08/18 04:55	1
4-Bromofluorobenzene (Surr)	92		70 - 130					09/08/18 04:55	1
Dibromofluoromethane (Surr)	106		70 - 130					09/08/18 04:55	1
Toluene-d8 (Surr)	97		70 - 130					09/08/18 04:55	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			09/13/18 06:32	1
-C6-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		50 - 150					09/13/18 06:32	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)	110		110		ug/L		09/05/18 15:19	09/07/18 15:50	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/05/18 15:19	09/07/18 15:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150				09/05/18 15:19	09/07/18 15:50	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: Dup-1_20180830

Lab Sample ID: 580-80027-30

Date Collected: 08/30/18 00:00

Matrix: Water

Date Received: 08/31/18 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	93		2.0		ug/L			09/08/18 09:27	1
Ethylbenzene	2400		150		ug/L			09/10/18 17:09	50
Toluene	100		2.0		ug/L			09/08/18 09:27	1
Xylenes, Total	9600		150		ug/L			09/10/18 17:09	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		09/08/18 09:27	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		09/10/18 17:09	50
4-Bromofluorobenzene (Surr)	96		70 - 130		09/08/18 09:27	1
4-Bromofluorobenzene (Surr)	96		70 - 130		09/10/18 17:09	50
Dibromofluoromethane (Surr)	103		70 - 130		09/08/18 09:27	1
Dibromofluoromethane (Surr)	109		70 - 130		09/10/18 17:09	50
Toluene-d8 (Surr)	94		70 - 130		09/08/18 09:27	1
Toluene-d8 (Surr)	97		70 - 130		09/10/18 17:09	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	33000	H	5000		ug/L			09/17/18 11:46	10
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	101		50 - 150		09/17/18 11:46	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)	5500		110		ug/L		09/05/18 15:19	09/07/18 16:12	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/05/18 15:19	09/07/18 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	09/05/18 15:19	09/07/18 16:12	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: Dup-2_20180830

Lab Sample ID: 580-80027-31

Date Collected: 08/30/18 00:00

Matrix: Water

Date Received: 08/31/18 12:00

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			09/08/18 09:54	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 09:54	1
Toluene	ND		2.0		ug/L			09/08/18 09:54	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 09:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		09/08/18 09:54	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/08/18 09:54	1
Dibromofluoromethane (Surr)	104		70 - 130		09/08/18 09:54	1
Toluene-d8 (Surr)	98		70 - 130		09/08/18 09:54	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	H	500		ug/L			09/17/18 11:11	1
-C6-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		50 - 150		09/17/18 11:11	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		09/05/18 15:19	09/07/18 16:34	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/05/18 15:19	09/07/18 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	09/05/18 15:19	09/07/18 16:34	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-80027-1

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

Lab Sample ID: MB 490-541261/6

Matrix: Water

Analysis Batch: 541261

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			09/07/18 14:47	1
Ethylbenzene	ND		3.0		ug/L			09/07/18 14:47	1
Toluene	ND		2.0		ug/L			09/07/18 14:47	1
Xylenes, Total	ND		3.0		ug/L			09/07/18 14:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		09/07/18 14:47	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/07/18 14:47	1
Dibromofluoromethane (Surr)	106		70 - 130		09/07/18 14:47	1
Toluene-d8 (Surr)	98		70 - 130		09/07/18 14:47	1

Lab Sample ID: LCS 490-541261/3

Matrix: Water

Analysis Batch: 541261

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	20.7		ug/L		104	80 - 121
Ethylbenzene	20.0	20.4		ug/L		102	80 - 130
Toluene	20.0	20.4		ug/L		102	80 - 126
m-Xylene & p-Xylene	20.0	20.1		ug/L		101	80 - 141
o-Xylene	20.0	20.2		ug/L		101	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 490-541261/4

Matrix: Water

Analysis Batch: 541261

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	20.4		ug/L		102	80 - 121	2	12
Ethylbenzene	20.0	20.0		ug/L		100	80 - 130	2	12
Toluene	20.0	19.9		ug/L		99	80 - 126	2	13
m-Xylene & p-Xylene	20.0	19.6		ug/L		98	80 - 141	3	12
o-Xylene	20.0	19.8		ug/L		99	80 - 127	2	11

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	96		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: 580-80027-1

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

Lab Sample ID: 580-80027-21 MS

Matrix: Water

Analysis Batch: 541261

Client Sample ID: MW-67_20180830

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	300		100	388		ug/L		83	55 - 147
Ethylbenzene	710		100	780	4	ug/L		74	65 - 139
Toluene	13		100	116		ug/L		103	64 - 136
m-Xylene & p-Xylene	83		100	179		ug/L		96	70 - 130
o-Xylene	ND		100	104		ug/L		102	70 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: 580-80027-21 MSD

Matrix: Water

Analysis Batch: 541261

Client Sample ID: MW-67_20180830

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	300		100	392		ug/L		87	55 - 147	1	17
Ethylbenzene	710		100	779	4	ug/L		73	65 - 139	0	15
Toluene	13		100	118		ug/L		106	64 - 136	2	15
m-Xylene & p-Xylene	83		100	180		ug/L		97	70 - 130	1	16
o-Xylene	ND		100	105		ug/L		103	70 - 131	1	14

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MB 490-541382/6

Matrix: Water

Analysis Batch: 541382

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			09/08/18 02:39	1
Ethylbenzene	ND		3.0		ug/L			09/08/18 02:39	1
Toluene	ND		2.0		ug/L			09/08/18 02:39	1
Xylenes, Total	ND		3.0		ug/L			09/08/18 02:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130		09/08/18 02:39	1
4-Bromofluorobenzene (Surr)	94		70 - 130		09/08/18 02:39	1
Dibromofluoromethane (Surr)	108		70 - 130		09/08/18 02:39	1
Toluene-d8 (Surr)	100		70 - 130		09/08/18 02:39	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-80027-1

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

Lab Sample ID: LCS 490-541382/4

Matrix: Water

Analysis Batch: 541382

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	21.1		ug/L		105	80 - 121
Ethylbenzene	20.0	20.5		ug/L		103	80 - 130
Toluene	20.0	20.5		ug/L		103	80 - 126
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	80 - 141
o-Xylene	20.0	20.3		ug/L		102	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: 580-80027-12 MS

Matrix: Water

Analysis Batch: 541382

Client Sample ID: MW-57_20180830

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	42		20.0	63.2		ug/L		103	55 - 147
Ethylbenzene	ND		20.0	21.2		ug/L		105	65 - 139
Toluene	2.3		20.0	23.4		ug/L		106	64 - 136
m-Xylene & p-Xylene	3.4		20.0	24.7		ug/L		107	70 - 130
o-Xylene	ND		20.0	21.0		ug/L		104	70 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: 580-80027-12 MSD

Matrix: Water

Analysis Batch: 541382

Client Sample ID: MW-57_20180830

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	42		20.0	64.9		ug/L		112	55 - 147	3	17
Ethylbenzene	ND		20.0	21.4		ug/L		106	65 - 139	1	15
Toluene	2.3		20.0	23.9		ug/L		108	64 - 136	2	15
m-Xylene & p-Xylene	3.4		20.0	24.6		ug/L		106	70 - 130	0	16
o-Xylene	ND		20.0	21.3		ug/L		105	70 - 131	2	14

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-80027-1

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

Lab Sample ID: MB 490-541719/6

Matrix: Water

Analysis Batch: 541719

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			09/10/18 15:09	1
Ethylbenzene	ND		3.0		ug/L			09/10/18 15:09	1
Toluene	ND		2.0		ug/L			09/10/18 15:09	1
Xylenes, Total	ND		3.0		ug/L			09/10/18 15:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		09/10/18 15:09	1
4-Bromofluorobenzene (Surr)	93		70 - 130		09/10/18 15:09	1
Dibromofluoromethane (Surr)	106		70 - 130		09/10/18 15:09	1
Toluene-d8 (Surr)	99		70 - 130		09/10/18 15:09	1

Lab Sample ID: LCS 490-541719/3

Matrix: Water

Analysis Batch: 541719

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	20.8		ug/L		104	80 - 121
Ethylbenzene	20.0	20.7		ug/L		104	80 - 130
Toluene	20.0	20.8		ug/L		104	80 - 126
m-Xylene & p-Xylene	20.0	20.3		ug/L		102	80 - 141
o-Xylene	20.0	20.3		ug/L		102	80 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCSD 490-541719/4

Matrix: Water

Analysis Batch: 541719

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	21.1		ug/L		106	80 - 121	2	12
Ethylbenzene	20.0	20.7		ug/L		103	80 - 130	0	12
Toluene	20.0	20.8		ug/L		104	80 - 126	0	13
m-Xylene & p-Xylene	20.0	20.3		ug/L		101	80 - 141	0	12
o-Xylene	20.0	20.4		ug/L		102	80 - 127	0	11

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	106		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: 580-80027-1

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

Lab Sample ID: MB 490-541820/29

Matrix: Water

Analysis Batch: 541820

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			09/12/18 19:17	1
-C6-C12									
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	100		50 - 150					09/12/18 19:17	1

Lab Sample ID: LCS 490-541820/28

Matrix: Water

Analysis Batch: 541820

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)		1000	1090		ug/L		109	39 - 143	
-C6-C12									
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
a,a,a-Trifluorotoluene	89		50 - 150						

Lab Sample ID: 580-80027-21 MS

Matrix: Water

Analysis Batch: 541820

Client Sample ID: MW-67_20180830

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range Organics (GRO)	2800	F1	1000	7880	E F1	ug/L		505	39 - 143	
-C6-C12										
Surrogate	MS %Recovery	MS Qualifier	Limits							
a,a,a-Trifluorotoluene	86		50 - 150							

Lab Sample ID: 580-80027-21 MSD

Matrix: Water

Analysis Batch: 541820

Client Sample ID: MW-67_20180830

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)	2800	F1	1000	7640	E F1	ug/L		481	39 - 143	3	18
-C6-C12											
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene	86		50 - 150								

Lab Sample ID: MB 490-542107/10

Matrix: Water

Analysis Batch: 542107

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			09/12/18 14:27	1
-C6-C12									

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-80027-1

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

Lab Sample ID: MB 490-542107/10

Matrix: Water

Analysis Batch: 542107

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	104		50 - 150		09/12/18 14:27	1

Lab Sample ID: LCS 490-542107/8

Matrix: Water

Analysis Batch: 542107

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	1150		ug/L		115	39 - 143
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	80		50 - 150				

Lab Sample ID: 580-80027-12 MS

Matrix: Water

Analysis Batch: 542107

Client Sample ID: MW-57_20180830

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	1200		1000	2220		ug/L		97	39 - 143
Surrogate	MS %Recovery	MS Qualifier	Limits						
a,a,a-Trifluorotoluene	73		50 - 150						

Lab Sample ID: 580-80027-12 MSD

Matrix: Water

Analysis Batch: 542107

Client Sample ID: MW-57_20180830

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	1200		1000	2350		ug/L		110	39 - 143	6	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene	78		50 - 150								

Lab Sample ID: 580-80027-12 DU

Matrix: Water

Analysis Batch: 542107

Client Sample ID: MW-57_20180830

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	1200		1460		ug/L		15	18
Surrogate	DU %Recovery	DU Qualifier	Limits					
a,a,a-Trifluorotoluene	91		50 - 150					

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-80027-1

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

Lab Sample ID: MB 490-543153/7

Matrix: Water

Analysis Batch: 543153

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			09/17/18 10:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		50 - 150					09/17/18 10:35	1

Lab Sample ID: LCS 490-543153/5

Matrix: Water

Analysis Batch: 543153

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	1140		ug/L		114	39 - 143		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
a,a,a-Trifluorotoluene	87		50 - 150						

Lab Sample ID: LCSD 490-543153/6

Matrix: Water

Analysis Batch: 543153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO) -C6-C12	1000	1120		ug/L		112	39 - 143	2	18
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	86		50 - 150						

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

Lab Sample ID: MB 580-283078/1-A

Matrix: Water

Analysis Batch: 283128

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 283078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		09/02/18 12:09	09/04/18 21:14	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/02/18 12:09	09/04/18 21:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	100		50 - 150				09/02/18 12:09	09/04/18 21:14	1

Lab Sample ID: LCS 580-283078/2-A

Matrix: Water

Analysis Batch: 283128

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 283078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2000	1700		ug/L		85	50 - 120		

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-80027-1

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

Lab Sample ID: LCS 580-283078/2-A

Matrix: Water

Analysis Batch: 283128

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 283078

				Spike	LCS	LCS				
Analyte				Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits
Motor Oil (>C24-C36)				2000	1860		ug/L		93	64 - 120
		LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits							
o-Terphenyl	109		50 - 150							

Lab Sample ID: LCSD 580-283078/3-A

Matrix: Water

Analysis Batch: 283128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 283078

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)			2000	1640		ug/L	-	82	50 - 120	4	26
Motor Oil (>C24-C36)			2000	1900		ug/L		95	64 - 120	2	24

Lab Sample ID: 580-80027-12 MS

Matrix: Water

Analysis Batch: 283242

Client Sample ID: MW-57_20180830

Prep Type: Total/NA

Prep Batch: 283078

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	220		2050	1810		ug/L		78	50 - 120		
Motor Oil (>C24-C36)	ND		2050	1860		ug/L		91	64 - 120		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
<i>o</i> -Terphenyl	108		50 - 150								

Lab Sample ID: 580-80027-12 MSD

Matrix: Water

Analysis Batch: 283242

Client Sample ID: MW-57_20180830

Prep Type: Total/NA

Prep Batch: 283078

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
#2 Diesel (C10-C24)	220		2020	1780		ug/L		77	50 - 120	1	26
Motor Oil (>C24-C36)	ND		2020	1850		ug/L		91	64 - 120	1	24
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
o-Terphenyl	109		50 - 150								

Lab Sample ID: MB 580-283273/1-A

Matrix: Water

Analysis Batch: 283440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 283273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		09/05/18 15:19	09/07/18 10:14	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/05/18 15:19	09/07/18 10:14	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-80027-1

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

Lab Sample ID: MB 580-283273/1-A

Matrix: Water

Analysis Batch: 283440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 283273

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	09/05/18 15:19	09/07/18 10:14	1

Lab Sample ID: LCS 580-283273/2-A

Matrix: Water

Analysis Batch: 283440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 283273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1370		ug/L		68	50 - 120
Motor Oil (>C24-C36)	2000	1460		ug/L		73	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	80		50 - 150				

Lab Sample ID: LCSD 580-283273/3-A

Matrix: Water

Analysis Batch: 283440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 283273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1420		ug/L		71	50 - 120	4	26
Motor Oil (>C24-C36)	2000	1450		ug/L		72	64 - 120	1	24
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	85		50 - 150						

Lab Sample ID: 580-80027-21 MS

Matrix: Water

Analysis Batch: 283440

Client Sample ID: MW-67_20180830

Prep Type: Total/NA

Prep Batch: 283273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	940		2020	2940		ug/L		99	50 - 120
Motor Oil (>C24-C36)	ND		2020	1850		ug/L		84	64 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
o-Terphenyl	87		50 - 150						

Lab Sample ID: 580-80027-21 MSD

Matrix: Water

Analysis Batch: 283440

Client Sample ID: MW-67_20180830

Prep Type: Total/NA

Prep Batch: 283273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	940		2010	2670		ug/L		86	50 - 120	9	26
Motor Oil (>C24-C36)	ND		2010	1600		ug/L		72	64 - 120	14	24
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	91		50 - 150								

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-2_20180829

Date Collected: 08/29/18 16:15

Date Received: 08/31/18 12:00

Lab Sample ID: 580-80027-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 17:07	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/12/18 15:37	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/04/18 22:21	AEK	TAL SEA

Client Sample ID: MW-19_20180829

Date Collected: 08/29/18 11:30

Date Received: 08/31/18 12:00

Lab Sample ID: 580-80027-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	541382	09/08/18 07:38	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/12/18 16:08	GWM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	542107	09/13/18 10:05	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/04/18 22:43	AEK	TAL SEA

Client Sample ID: MW-20_20180829

Date Collected: 08/29/18 12:50

Date Received: 08/31/18 12:00

Lab Sample ID: 580-80027-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 20:45	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/12/18 16:39	GWM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/13/18 09:34	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 14:51	AEK	TAL SEA

Client Sample ID: MW-21_20180829

Date Collected: 08/29/18 15:15

Date Received: 08/31/18 12:00

Lab Sample ID: 580-80027-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	541261	09/07/18 21:40	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/12/18 17:10	GWM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	542107	09/13/18 10:35	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 15:13	AEK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-35_20180829

Lab Sample ID: 580-80027-5

Date Collected: 08/29/18 11:55

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	541382	09/08/18 08:33	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/12/18 17:40	GWM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		50	542107	09/13/18 11:06	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 15:35	AEK	TAL SEA

Client Sample ID: MW-41_20180830

Lab Sample ID: 580-80027-6

Date Collected: 08/30/18 09:25

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 17:35	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/13/18 12:08	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/05/18 00:34	AEK	TAL SEA

Client Sample ID: MW-43_20180830

Lab Sample ID: 580-80027-7

Date Collected: 08/30/18 09:45

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	541382	09/08/18 07:11	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		25	542107	09/13/18 14:55	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 15:57	AEK	TAL SEA

Client Sample ID: MW-44_20180830

Lab Sample ID: 580-80027-8

Date Collected: 08/30/18 10:00

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	541261	09/07/18 22:07	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	542107	09/13/18 15:27	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 16:48	AEK	TAL SEA

Client Sample ID: MW-45_20180829

Lab Sample ID: 580-80027-9

Date Collected: 08/29/18 12:25

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	541261	09/07/18 22:34	P1B	TAL NSH

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-45_20180829

Lab Sample ID: 580-80027-9

Date Collected: 08/29/18 12:25

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	541820	09/12/18 19:53	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 17:10	AEK	TAL SEA

Client Sample ID: MW-55_20180830

Lab Sample ID: 580-80027-10

Date Collected: 08/30/18 10:46

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 05:22	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/12/18 20:29	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/05/18 02:02	AEK	TAL SEA

Client Sample ID: MW-56_20180830

Lab Sample ID: 580-80027-11

Date Collected: 08/30/18 11:10

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	541382	09/08/18 08:05	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		25	541820	09/13/18 08:55	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 17:32	AEK	TAL SEA

Client Sample ID: MW-57_20180830

Lab Sample ID: 580-80027-12

Date Collected: 08/30/18 11:45

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 05:49	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/13/18 17:00	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 17:54	AEK	TAL SEA

Client Sample ID: MW-58_20180830

Lab Sample ID: 580-80027-13

Date Collected: 08/30/18 12:20

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 18:02	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 08:19	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-58_20180830

Lab Sample ID: 580-80027-13

Date Collected: 08/30/18 12:20

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 19:23	AEK	TAL SEA

Client Sample ID: MW-59_20180830

Lab Sample ID: 580-80027-14

Date Collected: 08/30/18 12:45

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 18:29	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/12/18 22:16	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283242	09/05/18 19:45	AEK	TAL SEA

Client Sample ID: MW-60_20180830

Lab Sample ID: 580-80027-15

Date Collected: 08/30/18 12:25

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 18:56	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/12/18 22:51	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/05/18 04:58	AEK	TAL SEA

Client Sample ID: MW-61_20180830

Lab Sample ID: 580-80027-16

Date Collected: 08/30/18 11:35

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 19:23	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/12/18 23:27	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/05/18 05:20	AEK	TAL SEA

Client Sample ID: MW-62_20180830

Lab Sample ID: 580-80027-17

Date Collected: 08/30/18 11:15

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 19:51	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	541820	09/13/18 00:02	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/05/18 05:42	AEK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-63_20180830

Lab Sample ID: 580-80027-18

Date Collected: 08/30/18 10:50

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541261	09/07/18 20:18	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 01:49	GWM	TAL NSH
Total/NA	Prep	3510C			283078	09/02/18 12:09	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283128	09/05/18 06:04	AEK	TAL SEA

Client Sample ID: MW-64_20180829

Lab Sample ID: 580-80027-19

Date Collected: 08/29/18 16:35

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 06:16	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/13/18 08:15	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 12:10	TL1	TAL SEA

Client Sample ID: MW-66_20180829

Lab Sample ID: 580-80027-20

Date Collected: 08/29/18 11:10

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 06:44	S1S	TAL NSH
Total/NA	Analysis	8260C		5	541719	09/10/18 16:42	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	542107	09/13/18 08:46	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 12:31	TL1	TAL SEA

Client Sample ID: MW-67_20180830

Lab Sample ID: 580-80027-21

Date Collected: 08/30/18 10:15

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	541261	09/07/18 21:12	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 02:24	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 12:54	TL1	TAL SEA

Client Sample ID: MW-68_20180830

Lab Sample ID: 580-80027-22

Date Collected: 08/30/18 10:00

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 03:06	S1S	TAL NSH

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: MW-68_20180830

Lab Sample ID: 580-80027-22

Date Collected: 08/30/18 10:00

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 04:10	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 14:00	TL1	TAL SEA

Client Sample ID: MW-69_20180830

Lab Sample ID: 580-80027-23

Date Collected: 08/30/18 09:25

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 03:33	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 04:46	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 14:22	TL1	TAL SEA

Client Sample ID: MW-70_20180830

Lab Sample ID: 580-80027-24

Date Collected: 08/30/18 11:55

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 04:00	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 05:21	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 15:06	TL1	TAL SEA

Client Sample ID: MW-71_20180829

Lab Sample ID: 580-80027-25

Date Collected: 08/29/18 17:00

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 04:28	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 05:57	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 15:28	TL1	TAL SEA

Client Sample ID: AG-WELL_

Lab Sample ID: 580-80027-26

Date Collected: 08/30/18 10:30

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 04:55	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	541820	09/13/18 06:32	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-80027-1

Client Sample ID: AG-WELL_

Lab Sample ID: 580-80027-26

Date Collected: 08/30/18 10:30

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 15:50	TL1	TAL SEA

Client Sample ID: Dup-1_20180830

Lab Sample ID: 580-80027-30

Date Collected: 08/30/18 00:00

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 09:27	S1S	TAL NSH
Total/NA	Analysis	8260C		50	541719	09/10/18 17:09	P1B	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	543153	09/17/18 11:46	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 16:12	TL1	TAL SEA

Client Sample ID: Dup-2_20180830

Lab Sample ID: 580-80027-31

Date Collected: 08/30/18 00:00

Matrix: Water

Date Received: 08/31/18 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	541382	09/08/18 09:54	S1S	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	543153	09/17/18 11:11	GWM	TAL NSH
Total/NA	Prep	3510C			283273	09/05/18 15:19	JCM	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	283440	09/07/18 16:34	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: 580-80027-1

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	02-17-19
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.				
Analysis Method	Prep Method	Matrix	Analyte	

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	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	06-30-19
Arizona	State Program	9	AZ0473	05-05-19
Arkansas DEQ	State Program	6	88-0737	04-25-19
California	State Program	9	2938	10-31-18
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-19
Georgia	State Program	4	NA: NELAP & A2LA	12-31-19
Illinois	NELAP	5	200010	12-09-18
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-18
Kentucky (UST)	State Program	4	19	06-30-19
Kentucky (WW)	State Program	4	90038	12-31-18
Louisiana	NELAP	6	30613	06-30-19
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-19
Massachusetts	State Program	1	M-TN032	06-30-19
Minnesota	NELAP	5	047-999-345	12-31-18
Mississippi	State Program	4	N/A	06-30-19
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-19
New Hampshire	NELAP	1	2963	10-09-18
New Jersey	NELAP	2	TN965	06-30-19
New York	NELAP	2	11342	03-31-19
North Carolina (WW/SW)	State Program	4	387	12-31-18
North Dakota	State Program	8	R-146	06-30-19
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-19
Oregon	NELAP	10	TN200001	04-26-19
Pennsylvania	NELAP	3	68-00585	07-31-19
Rhode Island	State Program	1	LAO00268	12-30-18
South Carolina	State Program	4	84009 (001)	02-28-19
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-19
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-19
Washington	State Program	10	C789	07-19-19
West Virginia DEP	State Program	3	219	02-28-19
Wisconsin	State Program	5	998020430	08-31-19

TestAmerica Seattle

Accreditation/Certification Summary

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

TestAmerica Job ID: 580-80027-1

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
Wyoming (UST)	A2LA	8	453.07	12-31-19

Sample Summary

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

TestAmerica Job ID: 580-80027-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-80027-1	MW-2_20180829	Water	08/29/18 16:15	08/31/18 12:00
580-80027-2	MW-19_20180829	Water	08/29/18 11:30	08/31/18 12:00
580-80027-3	MW-20_20180829	Water	08/29/18 12:50	08/31/18 12:00
580-80027-4	MW-21_20180829	Water	08/29/18 15:15	08/31/18 12:00
580-80027-5	MW-35_20180829	Water	08/29/18 11:55	08/31/18 12:00
580-80027-6	MW-41_20180830	Water	08/30/18 09:25	08/31/18 12:00
580-80027-7	MW-43_20180830	Water	08/30/18 09:45	08/31/18 12:00
580-80027-8	MW-44_20180830	Water	08/30/18 10:00	08/31/18 12:00
580-80027-9	MW-45_20180829	Water	08/29/18 12:25	08/31/18 12:00
580-80027-10	MW-55_20180830	Water	08/30/18 10:46	08/31/18 12:00
580-80027-11	MW-56_20180830	Water	08/30/18 11:10	08/31/18 12:00
580-80027-12	MW-57_20180830	Water	08/30/18 11:45	08/31/18 12:00
580-80027-13	MW-58_20180830	Water	08/30/18 12:20	08/31/18 12:00
580-80027-14	MW-59_20180830	Water	08/30/18 12:45	08/31/18 12:00
580-80027-15	MW-60_20180830	Water	08/30/18 12:25	08/31/18 12:00
580-80027-16	MW-61_20180830	Water	08/30/18 11:35	08/31/18 12:00
580-80027-17	MW-62_20180830	Water	08/30/18 11:15	08/31/18 12:00
580-80027-18	MW-63_20180830	Water	08/30/18 10:50	08/31/18 12:00
580-80027-19	MW-64_20180829	Water	08/29/18 16:35	08/31/18 12:00
580-80027-20	MW-66_20180829	Water	08/29/18 11:10	08/31/18 12:00
580-80027-21	MW-67_20180830	Water	08/30/18 10:15	08/31/18 12:00
580-80027-22	MW-68_20180830	Water	08/30/18 10:00	08/31/18 12:00
580-80027-23	MW-69_20180830	Water	08/30/18 09:25	08/31/18 12:00
580-80027-24	MW-70_20180830	Water	08/30/18 11:55	08/31/18 12:00
580-80027-25	MW-71_20180829	Water	08/29/18 17:00	08/31/18 12:00
580-80027-26	AG-WELL_	Water	08/30/18 10:30	08/31/18 12:00
580-80027-30	Dup-1_20180830	Water	08/30/18 00:00	08/31/18 12:00
580-80027-31	Dup-2_20180830	Water	08/30/18 00:00	08/31/18 12:00



Laboratory Management Program LaMP Chain of Custody Record

Loc: 580
80027

Page 1 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: 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: WAALLAA271.10123
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: WR313781/00BHW-0006	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 Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.
	G-2017				X		8				8			X	X	X									dry (BE)
	MW-2_20180929	8-29-18	1615		X		8				8			X	X	X									
	MW-9_2017				X		8				8			X	X	X									dry (BE)
	MW-11_2017				X		8				8			X	X	X									dry (BE)
	MW-19_20180929	8-29-18	1130		X		8				8			X	X	X									
	MW-20_20180929	8-29-18	1250		X		8				8			X	X	X									
	MW-21_20180929	8-29-18	1515		X		8				8			X	X	X									
	MW-35_20180929	8-29-18	1155		X		8				8			X	X	X									
	MW-36_2017				X		8				8			X	X	X									(BE)
	MW-41_20180930	8-30-18	0925		X		8				8			X	X	X									

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Antea Group	<u>Bethany Erickson / Antea Group</u>	8/31/18	12:00	<u>Z B / TA-SEA</u>	8/31/18	1200
Shipment Method:	Ship Date:					
Shipment Tracking No:						

Special Instructions:	580-80027 Chain of Custody			
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

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>WR313781/00BHW-0006</u>	Phone: <u>P: 425.498.7711 F: 425.869.1892</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: <u>Provision X OOC-BU OOC-RM</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 _____

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:																										Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor																				Comments	
	MW-43_20180828	8-30-18	0945		X			8				8			X	X	X										
	MW-44_20180830	8-30-18	1000		X			8				8			X	X	X										
	MW-45_20180829	8-29-18	1225		X			8				8			X	X	X										
	MW-54_2017				X			8				8			X	X	X									dry (BC)	
	MW-55_20180830	8-30-18	1046		X			8				8			X	X	X										
	MW-56_20180830	8-30-18	1110		X			24				24			X	X	X									MS/MSD	
	MW-57_20180830	8-30-18	1145		X			8				8			X	X	X									MS/MSD	
	MW-58_20180830	8-30-18	1220		X			8				8			X	X	X										
	MW-59_20180830	8-30-18	1245		X			24				24			X	X	X									MS/MSD	
	MW-60_20180830	8-30-18	1225		X			8				8			X	X	X										

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Antea Group</u>	<u>Bethany Erickson / Antea Group</u>	<u>8/31/18</u>	<u>12:00</u>	<u>[Signature] / TASEA</u>	<u>8/31/18</u>	<u>1200</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 Page 55 of 67 Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No

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Therm. ID: A2 Cor: 2.8 ° Unc: 2.7 °
Cooler Dsc: 1.9 8/14 FedEx: _____
Packing: 8/14/14 UPS: _____
Cust. Seal: Yes No X Lab Cour: X
Wet/Packs/Dry Ice/None Other: _____

Therm. ID: I11 Cor: 5.6 ° Unc: 5.5 °
Cooler Dsc: 1.4 8/14 FedEx: _____
Packing: 8/14/14 UPS: _____
Cust. Seal: Yes No X Lab Cour: X
Wet/Packs/Dry Ice/None Other: _____

Therm. ID: A2 Cor: 5.8 ° Unc: 5.7 °
Cooler Dsc: 1.9 8/14 FedEx: _____
Packing: 8/14/14 UPS: _____
Cust. Seal: Yes No X Lab Cour: X
Wet/Packs/Dry Ice/None Other: _____

Therm. ID: A7 Cor: 6.4 ° Unc: 6.3 °
Cooler Dsc: 1.9 8/14 FedEx: _____
Packing: 8/14/14 UPS: _____
Cust. Seal: Yes No X Lab Cour: _____
Wet/Packs/Dry Ice/None Other: _____

COOLER RECEIPT FORM



580-80027 Chain of Custody

Cooler Received/Opened On 9/7/2018 @ 9:50

Time Samples Removed From Cooler 16:00 Time Samples Placed In Storage 16:09 (2 Hour Window)

1. Tracking # 8806 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 31470366 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 2.7 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) TR

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 # KA

I certify that I unloaded the cooler and answered questions 7-14 (initial) KA

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) KA

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) KA

I certify that I attached a label with the unique LIMS number to each container (initial) KA

21. Were there Non-Conformance issues at login? YES...NO... Was a NCM generated? YES...NO...# KA

COOLER RECEIPT FORM

Cooler Received/Opened On 9/7/2018 @ 0950
Time Samples Removed From Cooler 16:00 Time Samples Placed In Storage 16:09 (2 Hour Window)

1. Tracking # 8817 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 97310166 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 5.3 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) J.2

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 # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) KA

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) KA

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) KA

I certify that I attached a label with the unique LIMS number to each container (initial) KA

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#

Client Information (Sub Contract Lab)				Lab PIV: Walker, Elaine M E-Mail: elaine.walker@testamericalab.com Phone: (505) 241-1111							
Company: TestAmerica Laboratories, Inc Address: 2960 Foster Creighton Drive, City: Nashville State, Zip: TN, 37204 Phone: 615-726-0177(Tel) 615-726-3404(Fax) Email: 615-726-0177(Tel)				Accreditations Required (See note): State Program - Washington							
Due Date Requested: 9/13/2018 TAT Requested (days):				COC No: 580-58911.1 Page: Page 1 of 4 Job #: 580-80027-1							
Project Name: BP - OPLC - Allen Station Site: Allen Station				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:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, or Tissue, A=Air)	Field Filtered Sample (Yes or No)	Retention MS/MS (Yes or No)	NWTPH, Gx/5030B C6-C12 Range	Analysis Requested		Total Number of Containers	Special Instructions/Note:
MW-2_20180829 (580-80027-1)	8/29/18	16:15 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-19_20180829 (580-80027-2)	8/29/18	11:30 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-20_20180829 (580-80027-3)	8/29/18	12:50 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-21_20180829 (580-80027-4)	8/29/18	15:15 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-35_20180829 (580-80027-5)	8/29/18	11:55 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-41_20180830 (580-80027-6)	8/30/18	09:25 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-43_20180830 (580-80027-7)	8/30/18	09:45 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-44_20180830 (580-80027-8)	8/30/18	10:00 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-45_20180829 (580-80027-9)	8/29/18	12:25 Pacific	Water	Water			X			6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD 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. 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 Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____											
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: _____											
Empty Kit Relinquished by: _____				Date: _____				Method of Shipment: _____			
Relinquished by: B. Allen				Date/Time: 9.5.18				Received by: [Signature]			
Relinquished by:				Date/Time:				Received by:			
Relinquished by:				Date/Time:				Received by:			
Custody Seal No.: _____				Custody Seal No.: _____				Cooler Temperature(s) °C and Other Remarks: 2.7, 5.3			

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: Walker, Elaine M Shipping/Receiving: elaine.walker@testamericainc.com Company: State Program - Washington Address: 2960 Foster Creighton Drive, Nashville, TN, 37204 Phone: 615-726-0177(Tel) 615-726-3404(Fax) Email: elaine.walker@testamericainc.com		Lab PM: Walker, Elaine M E-Mail: elaine.walker@testamericainc.com Due Date Requested: 9/13/2018 TAT Requested (days): 1		COC No: 580-58911.2 Page: Page 2 of 4 Job #: 580-80027-1 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:	
Sample Identification - Client ID (Lab ID) MW-55_20180830 (580-80027-10) MW-56_20180830 (580-80027-11) MW-57_20180830 (580-80027-12) MW-57_20180830 (580-80027-12MS) MW-57_20180830 (580-80027-12MSD) MW-58_20180830 (580-80027-13) MW-59_20180830 (580-80027-14) MW-60_20180830 (580-80027-15) MW-61_20180830 (580-80027-16)		Date/Time: 8/30/18 10:46 Pacific Date/Time: 8/30/18 11:10 Pacific Date/Time: 8/30/18 11:45 Pacific Date/Time: 8/30/18 11:45 Pacific Date/Time: 8/30/18 11:45 Pacific Date/Time: 8/30/18 12:20 Pacific Date/Time: 8/30/18 12:45 Pacific Date/Time: 8/30/18 12:25 Pacific Date/Time: 8/30/18 11:35 Pacific		Matrix (W=Water, S=Solid, O=waste/lot, BT=Time, A=Alt) Water Water Water Water Water Water Water Water Water	
Sample Date 8/30/18 8/30/18 8/30/18 8/30/18 8/30/18 8/30/18 8/30/18 8/30/18 8/30/18		Sample Time 10:46 Pacific 11:10 Pacific 11:45 Pacific 11:45 Pacific 11:45 Pacific 12:20 Pacific 12:45 Pacific 12:25 Pacific 11:35 Pacific		Preservation Code: MS MSD MS MSD MS MSD MS MSD MS	
Field Filtered Sample (Yes or No) X X X X X X X X X		Retention MS/MSD (Yes or No) X X X X X X X X X		NWTPH_Gx/5030B C6-C12 Range X X X X X X X X X	
Total Number of Containers 6 6 6 6 6 6 6 6 6		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.		Loc: 580 80027	
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)					
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:					
Empty Kit Relinquished by: B. Hall Date: 9.5.18 Time: 1415 Company: SEA TA					
Relinquished by: B. Hall Date/Time: 9.5.18 1415 Company: SEA TA					
Relinquished by: B. Hall Date/Time: 9.5.18 1415 Company: SEA TA					
Relinquished by: B. Hall Date/Time: 9.5.18 1415 Company: SEA TA					
Custody Seals Intact: Yes ☐ No ☐					
Cooler Temperature(s) °C and Other Remarks: 2.7, 5.3					

Ver: 09/20/2016

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:		Lab PIM:		Carrier Tracking No(s):		COC No:	
Client Contact: Shipping/Receiving		Phone:		Walker, Elaine M				580-58911.3	
Company:				E-Mail:		State of Origin:		Page:	
TestAmerica Laboratories, Inc				elaine.walker@testamericainc.com		Washington		Page 3 of 4	
Address:		Due Date Requested:		Accreditations Required (See note):		Job #:		Preservation Codes:	
2960 Foster Creighton Drive,		9/13/2018		State Program - Washington		580-80027-1		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:	
City:		TAT Requested (days):		Analysis Requested					
Nashville									
State, Zip:									
TN, 37204									
Phone:		PO #:							
615-726-0177(Tel) 615-726-3404(Fax)									
Email:		WO #:							
Project Name:		Project #:							
BP - OPLC - Allen Station		58007597							
Site:		SSOW#:							
Allen Station									

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, B=biomass, A=air)	Field Filtered Sample (Yes or No)	8260C/30C (MOD) 8260C BTEX Volatiles	NWTFH_Gx/5030B C6-C12 Range	Total Number of Containers	Special Instructions/Note:
MW-62_20180830 (580-80027-17)	8/30/18	11:15 Pacific	Water	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-63_20180830 (580-80027-18)	8/30/18	10:50 Pacific	Water	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-64_20180829 (580-80027-19)	8/29/18	16:35 Pacific	Water	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-66_20180829 (580-80027-20)	8/29/18	11:10 Pacific	Water	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-67_20180830 (580-80027-21)	8/30/18	10:15 Pacific	Water	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-67_20180830 (580-80027-21MS)	8/30/18	10:15 Pacific	MS	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-67_20180830 (580-80027-21MSD)	8/30/18	10:15 Pacific	MSD	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-68_20180830 (580-80027-22)	8/30/18	10:00 Pacific	Water	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD volume is available.
MW-69_20180830 (580-80027-23)	8/30/18	09:25 Pacific	Water	Water	X	X	X	6	BP LAMP ICOC, Analyze LCS/LCSD if no MSMSD 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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Deliverable Requested: I, II, III, IV, Other (specify)	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements:	
Empty Kit Relinquished by:	
Relinquished by: <i>B. Allen</i>	Date: 9.5.18
Relinquished by:	Date: 1415
Relinquished by:	Date:
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:

Ver: 09/20/2016

[illegible]

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-80027-1

Login Number: 80027

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Walker, M Elaine

From: Megan Richard <Megan.Richard@anteagroup.com>
Sent: Tuesday, September 04, 2018 4:34 PM
To: Walker, M Elaine
Subject: RE: Nashville Lab - LaMP Certification

External Email

Great, thank you!

Megan Richard, LG | Project Manager
Antea Group
Direct +1 425 498 7711 | Mobile +1 206 854 0399 | USA Toll Free 800 477 7411
Megan.Richard@anteagroup.com | www.anteagroup.com
Member of Inogen | www.inogenet.com

From: Walker, M Elaine [mailto:M.Elaine.Walker@testamericainc.com]
Sent: Tuesday, September 4, 2018 4:34 PM
To: Megan Richard <Megan.Richard@anteagroup.us>
Subject: RE: Nashville Lab - LaMP Certification

Thank you Megan. Nashville did say they can take them and I will forward to them tomorrow.

Thanks,
M. ELAINE WALKER
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

5755 8th Street East
Tacoma, WA 98424
Tel 253.248.4972 | Fax 253.922.5047
www.testamericainc.com

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From: Megan Richard [mailto:Megan.Richard@anteagroup.com]
Sent: Tuesday, September 04, 2018 4:23 PM
To: Walker, M Elaine
Subject: RE: Nashville Lab - LaMP Certification

External Email

Hi Elaine, BP has approved the use of the Nashville lab

Thanks,
Megan

On Sep 4, 2018 3:09 PM, "Walker, M Elaine" <M.Elaine.Walker@testamericainc.com> wrote:
Yes, Nashville is a BP approved laboratory.

M. ELAINE WALKER
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Tacoma, WA 98424
Tel 253.248.4972 | Fax 253.922.5047
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From: Megan Richard [<mailto:Megan.Richard@anteagroup.com>]
Sent: Tuesday, September 04, 2018 2:52 PM
To: Walker, M Elaine
Subject: Nashville Lab - LaMP Certification

External Email

Good afternoon, Elaine. I received your voicemail. I'm am contacting the BP Project manager for approval, and wanted to confirm that Nashville is in fact a LaMP certified lab. Can you confirm they're LaMP certified? As for the trip blanks, the field leads that day are on vacation so I can't verify with them that trip blanks were submitted or were included at the bottle order. But if they're not there with you, then they're not there.

I'll get back to you soon regarding approval to ship to Nashville.

Thank you,

Megan Richard, LG | Project Manager
Antea Group
Direct +1 425 498 7711 | Mobile +1 206 854 0399 | USA Toll Free 800 477 7411
4006 148th Avenue NE, Redmond, WA 98052 U.S.A.
Megan.Richard@anteagroup.com | www.anteagroup.com



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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 580-81708-1

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:
11/21/2018 2:46:38 PM

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

LINKS

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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.

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. 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
11/21/2018 2:46:38 PM

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Case Narrative

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

TestAmerica Job ID: 580-81708-1

Job ID: 580-81708-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-81708-1

Receipt

Thirty-five samples were received on 11/8/2018 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 0.6° C, 0.6° C, 0.6° C, 1.5° C and 6.1° C.

Receipt Exceptions

The Chain of Custody does not list any samples for MS/MSD; however, we received triple volume for the following sample: MW-44_20181107 (580-81708-11) and MW-57_20181107 (580-81708-15). It is assumed that these additional bottles are for MS/MSD and logged in as such. Client was notified and confirmed this extra volume to be logged for MS/MSD volume for the two samples indicated on the container labels.

GC/MS VOA

Method(s) 8260C: The matrix spike duplicate (/MSD) recoveries and precision for analytical batch 580-28812 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the MS and associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries and precision were within acceptance limits.

Method(s) 8260C: The matrix spike duplicate (/MSD) recovery for analytical batch 580-288738 was outside control limits for m-Xylene & p-Xylene. 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) 8260C: Due to the high concentration of Ethylbenzene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 580-289245 could not be evaluated for accuracy and precision. The MS and associated laboratory control samples (LCS/LCSD) recoveries met acceptance criteria.

Method(s) 8260C: The following samples required a dilution due to the nature of the sample matrix: MW-21_20181106 (580-81708-6) and MW-35_20181106 (580-81708-7). 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 following samples were diluted to bring the concentration of target analytes within the calibration range: MW-19_20181106 (580-81708-4), MW-21_20181106 (580-81708-6), MW-35_20181106 (580-81708-7), MW-43_20181107 (580-81708-10), MW-44_20181107 (580-81708-11), MW-45_20181106 (580-81708-12) and MW-56_20181107 (580-81708-14). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: Surrogate recovery for the following samples were outside control limits: MW-19_20181106 (580-81708-4), MW-21_20181106 (580-81708-6), MW-35_20181106 (580-81708-7) and MW-45_20181106 (580-81708-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The following sample was spiked at double concentration for Trifluorotoluene (Surr). The data have been reported. C_20181106 (580-81708-1).

Method(s) NWTPH-Gx: Surrogate recovery for the following samples were outside control limits: MW-44_20181107 (580-81708-11), MW-44_20181107 (580-81708-11[MS]) and MW-44_20181107 (580-81708-11[MSD]). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-56_20181107 (580-81708-14). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) recoveries and precision for analytical batch 580-289274 was outside control limits. 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.

Case Narrative

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

TestAmerica Job ID: 580-81708-1

Job ID: 580-81708-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

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: MW-58_20181107 (580-81708-16), MW-63_20181107 (580-81708-21), MW-64_20181106 (580-81708-22), MW-71_20181106 (580-81708-28), and AG-WELL_20181107 (580-81708-29).

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-20_20181106 (580-81708-5), MW-66_20181106 (580-81708-23), MW-67_20181107 (580-81708-24) and Dup-1_20181107 (580-81708-33).

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: 580-81708-1

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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds 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.

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: 580-81708-1

Client Sample ID: C_20181106

Date Collected: 11/06/18 15:35

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/13/18 12:00	1
Toluene	ND		2.0		ug/L			11/13/18 12:00	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 12:00	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/13/18 12:00	1
Toluene-d8 (Surr)	100		80 - 122		11/13/18 12:00	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/13/18 12:00	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/13/18 12:00	1
Dibromofluoromethane (Surr)	100		77 - 120		11/13/18 12:00	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			11/13/18 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150		11/13/18 19:32	1
Trifluorotoluene (Surr)	100		50 - 150		11/13/18 19:32	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)	3300		110		ug/L		11/16/18 08:13	11/16/18 19:10	1
Motor Oil (>C24-C36)	680		350		ug/L		11/16/18 08:13	11/16/18 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	11/16/18 08:13	11/16/18 19:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-2_20181106

Date Collected: 11/06/18 15:05

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.0		3.0		ug/L			11/13/18 12:24	1
Toluene	ND		2.0		ug/L			11/13/18 12:24	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 12:24	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/13/18 12:24	1
Toluene-d8 (Surr)	100		80 - 122		11/13/18 12:24	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		11/13/18 12:24	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/13/18 12:24	1
Dibromofluoromethane (Surr)	99		77 - 120		11/13/18 12:24	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			11/13/18 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		11/13/18 19:59	1
Trifluorotoluene (Surr)	123		50 - 150		11/13/18 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)	4400		110		ug/L		11/16/18 08:13	11/16/18 19:30	1
Motor Oil (>C24-C36)	3100		350		ug/L		11/16/18 08:13	11/16/18 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	103		50 - 150	11/16/18 08:13	11/16/18 19:30	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-14_20181106

Date Collected: 11/06/18 10:15

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/13/18 12:49	1
Toluene	ND		2.0		ug/L			11/13/18 12:49	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 12:49	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/13/18 12:49	1
Toluene-d8 (Surr)	100		80 - 122		11/13/18 12:49	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/13/18 12:49	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/13/18 12:49	1
Dibromofluoromethane (Surr)	98		77 - 120		11/13/18 12:49	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			11/13/18 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		11/13/18 20:26	1
Trifluorotoluene (Surr)	115		50 - 150		11/13/18 20:26	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)	830		110		ug/L		11/16/18 08:13	11/16/18 19:50	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/16/18 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	98		50 - 150	11/16/18 08:13	11/16/18 19:50	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-19_20181106

Lab Sample ID: 580-81708-4

Date Collected: 11/06/18 11:00

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	9.2		2.0		ug/L			11/13/18 13:14	1
Xylenes, Total	53		3.0		ug/L			11/13/18 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					11/13/18 13:14	1
Toluene-d8 (Surr)	100		80 - 122					11/13/18 13:14	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 126					11/13/18 13:14	1
4-Bromofluorobenzene (Surr)	104		80 - 125					11/13/18 13:14	1
Dibromofluoromethane (Surr)	96		77 - 120					11/13/18 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	820		60		ug/L			11/14/18 16:24	20
Ethylbenzene	1000		60		ug/L			11/14/18 16:24	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		80 - 120					11/14/18 16:24	20
Toluene-d8 (Surr)	101		80 - 122					11/14/18 16:24	20
1,2-Dichloroethane-d4 (Surr)	100		80 - 126					11/14/18 16:24	20
4-Bromofluorobenzene (Surr)	98		80 - 125					11/14/18 16:24	20
Dibromofluoromethane (Surr)	102		77 - 120					11/14/18 16:24	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9400		250		ug/L			11/13/18 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	236	X	50 - 150					11/13/18 20:54	1
Trifluorotoluene (Surr)	165	X	50 - 150					11/13/18 20:54	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)	3400		110		ug/L		11/16/18 08:13	11/16/18 20:10	1
Motor Oil (>C24-C36)	400		350		ug/L		11/16/18 08:13	11/16/18 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150				11/16/18 08:13	11/16/18 20:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-20_20181106

Lab Sample ID: 580-81708-5

Date Collected: 11/06/18 12:30

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.5		3.0		ug/L			11/13/18 13:39	1
Toluene	ND		2.0		ug/L			11/13/18 13:39	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 13:39	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/13/18 13:39	1
Toluene-d8 (Surr)	99		80 - 122		11/13/18 13:39	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		11/13/18 13:39	1
4-Bromofluorobenzene (Surr)	102		80 - 125		11/13/18 13:39	1
Dibromofluoromethane (Surr)	98		77 - 120		11/13/18 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	260		250		ug/L			11/13/18 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150		11/13/18 21:21	1
Trifluorotoluene (Surr)	120		50 - 150		11/13/18 21:21	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)	180		110		ug/L		11/20/18 09:20	11/20/18 18:52	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	11/20/18 09:20	11/20/18 18:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-21_20181106

Lab Sample ID: 580-81708-6

Date Collected: 11/06/18 14:50

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	48		3.0		ug/L			11/13/18 14:04	1
Toluene	4.1		2.0		ug/L			11/13/18 14:04	1
Xylenes, Total	83		3.0		ug/L			11/13/18 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/13/18 14:04	1
Toluene-d8 (Surr)	98		80 - 122		11/13/18 14:04	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		11/13/18 14:04	1
4-Bromofluorobenzene (Surr)	104		80 - 125		11/13/18 14:04	1
Dibromofluoromethane (Surr)	97		77 - 120		11/13/18 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	410		30		ug/L			11/14/18 16:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		11/14/18 16:48	10
Toluene-d8 (Surr)	108		80 - 122		11/14/18 16:48	10
1,2-Dichloroethane-d4 (Surr)	63	X	80 - 126		11/14/18 16:48	10
4-Bromofluorobenzene (Surr)	92		80 - 125		11/14/18 16:48	10
Dibromofluoromethane (Surr)	87		77 - 120		11/14/18 16:48	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9500		250		ug/L			11/13/18 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	229	X	50 - 150		11/13/18 21:48	1
Trifluorotoluene (Surr)	158	X	50 - 150		11/13/18 21:48	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)	6100		110		ug/L		11/16/18 08:13	11/16/18 20:50	1
Motor Oil (>C24-C36)	540		350		ug/L		11/16/18 08:13	11/16/18 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/16/18 08:13	11/16/18 20:50	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-35_20181106

Date Collected: 11/06/18 11:15

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	960		80		ug/L			11/14/18 17:14	40
Ethylbenzene	3400		120		ug/L			11/14/18 17:14	40
Xylenes, Total	14000		120		ug/L			11/14/18 17:14	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	118		80 - 120		11/14/18 17:14	40
Toluene-d8 (Surr)	121		80 - 122		11/14/18 17:14	40
1,2-Dichloroethane-d4 (Surr)	37	X	80 - 126		11/14/18 17:14	40
4-Bromofluorobenzene (Surr)	88		80 - 125		11/14/18 17:14	40
Dibromofluoromethane (Surr)	64	X	77 - 120		11/14/18 17:14	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9400		300		ug/L			11/17/18 00:19	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		11/17/18 00:19	100
Toluene-d8 (Surr)	103		80 - 122		11/17/18 00:19	100
1,2-Dichloroethane-d4 (Surr)	88		80 - 126		11/17/18 00:19	100
4-Bromofluorobenzene (Surr)	103		80 - 125		11/17/18 00:19	100
Dibromofluoromethane (Surr)	95		77 - 120		11/17/18 00:19	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	54000		2500		ug/L			11/15/18 22:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		50 - 150		11/15/18 22:35	10
Trifluorotoluene (Surr)	120		50 - 150		11/15/18 22:35	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)	7400		110		ug/L		11/16/18 08:13	11/16/18 21:10	1
Motor Oil (>C24-C36)	450		350		ug/L		11/16/18 08:13	11/16/18 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/16/18 08:13	11/16/18 21:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-39_20181106

Lab Sample ID: 580-81708-8

Date Collected: 11/06/18 12:10

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.9		3.0		ug/L			11/13/18 14:55	1
Toluene	ND		2.0		ug/L			11/13/18 14:55	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 14:55	1
Xylenes, Total	8.5		3.0		ug/L			11/13/18 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/13/18 14:55	1
Toluene-d8 (Surr)	99		80 - 122		11/13/18 14:55	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/13/18 14:55	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/13/18 14:55	1
Dibromofluoromethane (Surr)	99		77 - 120		11/13/18 14:55	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			11/13/18 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		50 - 150		11/13/18 23:09	1
Trifluorotoluene (Surr)	121		50 - 150		11/13/18 23:09	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)	110		110		ug/L		11/16/18 08:13	11/16/18 21:51	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/16/18 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	11/16/18 08:13	11/16/18 21:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-41_20181107

Date Collected: 11/07/18 09:15

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/13/18 15:20	1
Toluene	ND		2.0		ug/L			11/13/18 15:20	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 15:20	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/13/18 15:20	1
Toluene-d8 (Surr)	99		80 - 122		11/13/18 15:20	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		11/13/18 15:20	1
4-Bromofluorobenzene (Surr)	100		80 - 125		11/13/18 15:20	1
Dibromofluoromethane (Surr)	98		77 - 120		11/13/18 15:20	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			11/15/18 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150		11/15/18 23:02	1
Trifluorotoluene (Surr)	112		50 - 150		11/15/18 23:02	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)	530		110		ug/L		11/16/18 08:13	11/16/18 22:11	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/16/18 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	11/16/18 08:13	11/16/18 22:11	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-43_20181107

Lab Sample ID: 580-81708-10

Date Collected: 11/07/18 09:40

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.6		3.0		ug/L			11/13/18 15:45	1
Toluene	7.2		2.0		ug/L			11/13/18 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		11/13/18 15:45	1
Toluene-d8 (Surr)	96		80 - 122		11/13/18 15:45	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		11/13/18 15:45	1
4-Bromofluorobenzene (Surr)	113		80 - 125		11/13/18 15:45	1
Dibromofluoromethane (Surr)	98		77 - 120		11/13/18 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	310		60		ug/L			11/17/18 00:43	20
Xylenes, Total	1500		60		ug/L			11/17/18 00:43	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		11/17/18 00:43	20
Toluene-d8 (Surr)	102		80 - 122		11/17/18 00:43	20
1,2-Dichloroethane-d4 (Surr)	94		80 - 126		11/17/18 00:43	20
4-Bromofluorobenzene (Surr)	99		80 - 125		11/17/18 00:43	20
Dibromofluoromethane (Surr)	102		77 - 120		11/17/18 00:43	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	29000		2500		ug/L			11/17/18 21:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		50 - 150		11/17/18 21:08	10
Trifluorotoluene (Surr)	115		50 - 150		11/17/18 21:08	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)	9700		110		ug/L		11/16/18 08:13	11/16/18 22:31	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/16/18 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150	11/16/18 08:13	11/16/18 22:31	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-44_20181107

Lab Sample ID: 580-81708-11

Date Collected: 11/07/18 09:10

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.4		3.0		ug/L			11/13/18 16:10	1
Toluene	2.1		2.0		ug/L			11/13/18 16:10	1
Xylenes, Total	50		3.0		ug/L			11/13/18 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		11/13/18 16:10	1
Trifluorotoluene (Surr)	100		80 - 120		11/19/18 22:48	10
Toluene-d8 (Surr)	100		80 - 122		11/13/18 16:10	1
Toluene-d8 (Surr)	103		80 - 122		11/19/18 22:48	10
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/13/18 16:10	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 126		11/19/18 22:48	10
4-Bromofluorobenzene (Surr)	103		80 - 125		11/13/18 16:10	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/19/18 22:48	10
Dibromofluoromethane (Surr)	97		77 - 120		11/13/18 16:10	1
Dibromofluoromethane (Surr)	101		77 - 120		11/19/18 22:48	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	500		30		ug/L			11/17/18 01:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	95		80 - 120		11/17/18 01:08	10
Toluene-d8 (Surr)	104		80 - 122		11/17/18 01:08	10
1,2-Dichloroethane-d4 (Surr)	85		80 - 126		11/17/18 01:08	10
4-Bromofluorobenzene (Surr)	95		80 - 125		11/17/18 01:08	10
Dibromofluoromethane (Surr)	97		77 - 120		11/17/18 01:08	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5400	F2	250		ug/L			11/15/18 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	188	X	50 - 150		11/15/18 23:56	1
Trifluorotoluene (Surr)	141		50 - 150		11/15/18 23:56	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)	1800		110		ug/L		11/16/18 08:13	11/16/18 22:51	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/16/18 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	107		50 - 150	11/16/18 08:13	11/16/18 22:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-45_20181106

Lab Sample ID: 580-81708-12

Date Collected: 11/06/18 11:40

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15		3.0		ug/L			11/13/18 17:25	1
Toluene	2.6		2.0		ug/L			11/13/18 17:25	1
Xylenes, Total	6.4		3.0		ug/L			11/13/18 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120					11/13/18 17:25	1
Toluene-d8 (Surr)	100		80 - 122					11/13/18 17:25	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126					11/13/18 17:25	1
4-Bromofluorobenzene (Surr)	102		80 - 125					11/13/18 17:25	1
Dibromofluoromethane (Surr)	98		77 - 120					11/13/18 17:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	100		6.0		ug/L			11/17/18 01:33	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120					11/17/18 01:33	2
Toluene-d8 (Surr)	104		80 - 122					11/17/18 01:33	2
1,2-Dichloroethane-d4 (Surr)	85		80 - 126					11/17/18 01:33	2
4-Bromofluorobenzene (Surr)	98		80 - 125					11/17/18 01:33	2
Dibromofluoromethane (Surr)	96		77 - 120					11/17/18 01:33	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3900		250		ug/L			11/13/18 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	224	X	50 - 150					11/13/18 23:37	1
Trifluorotoluene (Surr)	131		50 - 150					11/13/18 23:37	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)	1700		110		ug/L		11/16/18 08:13	11/16/18 23:51	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/16/18 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150				11/16/18 08:13	11/16/18 23:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-55_20181107

Lab Sample ID: 580-81708-13

Date Collected: 11/07/18 14:40

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/13/18 17:50	1
Toluene	ND		2.0		ug/L			11/13/18 17:50	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 17:50	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/13/18 17:50	1
Toluene-d8 (Surr)	100		80 - 122		11/13/18 17:50	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		11/13/18 17:50	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/13/18 17:50	1
Dibromofluoromethane (Surr)	99		77 - 120		11/13/18 17:50	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			11/18/18 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		11/18/18 01:12	1
Trifluorotoluene (Surr)	110		50 - 150		11/18/18 01:12	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		110		ug/L		11/16/18 08:13	11/17/18 00:11	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/17/18 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/16/18 08:13	11/17/18 00:11	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-56_20181107

Lab Sample ID: 580-81708-14

Date Collected: 11/07/18 14:10

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	74		2.0		ug/L			11/13/18 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 120					11/13/18 18:14	1
Toluene-d8 (Surr)	96		80 - 122					11/13/18 18:14	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126					11/13/18 18:14	1
4-Bromofluorobenzene (Surr)	112		80 - 125					11/13/18 18:14	1
Dibromofluoromethane (Surr)	98		77 - 120					11/13/18 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	200		60		ug/L			11/17/18 01:57	20
Ethylbenzene	1500		60		ug/L			11/17/18 01:57	20
Xylenes, Total	6900		300		ug/L			11/20/18 00:02	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120					11/17/18 01:57	20
Trifluorotoluene (Surr)	94		80 - 120					11/20/18 00:02	100
Toluene-d8 (Surr)	107		80 - 122					11/17/18 01:57	20
Toluene-d8 (Surr)	102		80 - 122					11/20/18 00:02	100
1,2-Dichloroethane-d4 (Surr)	80		80 - 126					11/17/18 01:57	20
1,2-Dichloroethane-d4 (Surr)	85		80 - 126					11/20/18 00:02	100
4-Bromofluorobenzene (Surr)	100		80 - 125					11/17/18 01:57	20
4-Bromofluorobenzene (Surr)	95		80 - 125					11/20/18 00:02	100
Dibromofluoromethane (Surr)	92		77 - 120					11/17/18 01:57	20
Dibromofluoromethane (Surr)	98		77 - 120					11/20/18 00:02	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	37000		2500		ug/L			11/19/18 17:28	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150					11/19/18 17:28	10
Trifluorotoluene (Surr)	80		50 - 150					11/19/18 17:28	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)	4700		110		ug/L		11/16/18 08:13	11/17/18 00:32	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/17/18 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	116		50 - 150				11/16/18 08:13	11/17/18 00:32	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-57_20181107

Lab Sample ID: 580-81708-15

Date Collected: 11/07/18 13:40

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.9		3.0		ug/L			11/13/18 23:39	1
Toluene	ND		2.0		ug/L			11/13/18 23:39	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 23:39	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/13/18 23:39	1
Toluene-d8 (Surr)	100		80 - 122		11/13/18 23:39	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/13/18 23:39	1
4-Bromofluorobenzene (Surr)	100		80 - 125		11/13/18 23:39	1
Dibromofluoromethane (Surr)	99		77 - 120		11/13/18 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/18/18 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		11/18/18 07:01	1
Trifluorotoluene (Surr)	106		50 - 150		11/18/18 07:01	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)	130		110		ug/L		11/16/18 08:13	11/17/18 00:52	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/17/18 00:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/16/18 08:13	11/17/18 00:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-58_20181107

Lab Sample ID: 580-81708-16

Date Collected: 11/07/18 11:50

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 00:54	1
Toluene	ND		2.0		ug/L			11/14/18 00:54	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 00:54	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 00:54	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 00:54	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 00:54	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 00:54	1
Dibromofluoromethane (Surr)	100		77 - 120		11/14/18 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	400		250		ug/L			11/19/18 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150		11/19/18 17:01	1
Trifluorotoluene (Surr)	119		50 - 150		11/19/18 17:01	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)	7700		110		ug/L		11/20/18 09:20	11/20/18 19:13	1
Motor Oil (>C24-C36)	8100		350		ug/L		11/20/18 09:20	11/20/18 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	11/20/18 09:20	11/20/18 19:13	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-59_20181107

Lab Sample ID: 580-81708-17

Date Collected: 11/07/18 10:30

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 01:19	1
Toluene	3.7		2.0		ug/L			11/14/18 01:19	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 01:19	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 01:19	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 01:19	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 01:19	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 01:19	1
Dibromofluoromethane (Surr)	100		77 - 120		11/14/18 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1400		250		ug/L			11/18/18 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		50 - 150		11/18/18 02:32	1
Trifluorotoluene (Surr)	107		50 - 150		11/18/18 02:32	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)	6800		110		ug/L		11/20/18 09:20	11/20/18 19:33	1
Motor Oil (>C24-C36)	1300		350		ug/L		11/20/18 09:20	11/20/18 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	11/20/18 09:20	11/20/18 19:33	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-60_20181107

Lab Sample ID: 580-81708-18

Date Collected: 11/07/18 10:05

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 01:44	1
Toluene	ND		2.0		ug/L			11/14/18 01:44	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 01:44	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/14/18 01:44	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 01:44	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 01:44	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/14/18 01:44	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 01:44	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			11/18/18 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		50 - 150		11/18/18 02:59	1
Trifluorotoluene (Surr)	108		50 - 150		11/18/18 02:59	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)	ND		110		ug/L		11/20/18 09:20	11/20/18 19:53	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	11/20/18 09:20	11/20/18 19:53	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-61_20181107

Lab Sample ID: 580-81708-19

Date Collected: 11/07/18 11:10

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 02:09	1
Toluene	ND		2.0		ug/L			11/14/18 02:09	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 02:09	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 02:09	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 02:09	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 02:09	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/14/18 02:09	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 02:09	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			11/18/18 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150		11/18/18 05:13	1
Trifluorotoluene (Surr)	107		50 - 150		11/18/18 05:13	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		11/20/18 09:20	11/20/18 20:13	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/20/18 09:20	11/20/18 20:13	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-62_20181107

Lab Sample ID: 580-81708-20

Date Collected: 11/07/18 11:25

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 02:34	1
Toluene	ND		2.0		ug/L			11/14/18 02:34	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 02:34	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/14/18 02:34	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 02:34	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 02:34	1
4-Bromofluorobenzene (Surr)	100		80 - 125		11/14/18 02:34	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 02:34	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			11/18/18 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		11/18/18 05:40	1
Trifluorotoluene (Surr)	111		50 - 150		11/18/18 05:40	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		11/20/18 09:20	11/20/18 20:33	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	11/20/18 09:20	11/20/18 20:33	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-63_20181107

Lab Sample ID: 580-81708-21

Date Collected: 11/07/18 11:55

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 02:59	1
Toluene	ND		2.0		ug/L			11/14/18 02:59	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 02:59	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 02:59	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 02:59	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 02:59	1
4-Bromofluorobenzene (Surr)	98		80 - 125		11/14/18 02:59	1
Dibromofluoromethane (Surr)	97		77 - 120		11/14/18 02:59	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			11/18/18 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		11/18/18 06:07	1
Trifluorotoluene (Surr)	110		50 - 150		11/18/18 06:07	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)	160		110		ug/L		11/20/18 09:20	11/20/18 20:53	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	11/20/18 09:20	11/20/18 20:53	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-64_20181106

Lab Sample ID: 580-81708-22

Date Collected: 11/06/18 15:50

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11		3.0		ug/L			11/13/18 18:40	1
Toluene	ND		2.0		ug/L			11/13/18 18:40	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 18:40	1
Xylenes, Total	9.3		3.0		ug/L			11/13/18 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/13/18 18:40	1
Toluene-d8 (Surr)	100		80 - 122		11/13/18 18:40	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/13/18 18:40	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/13/18 18:40	1
Dibromofluoromethane (Surr)	98		77 - 120		11/13/18 18:40	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			11/14/18 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147		50 - 150		11/14/18 00:04	1
Trifluorotoluene (Surr)	118		50 - 150		11/14/18 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)	3100		110		ug/L		11/15/18 07:31	11/16/18 19:40	1
Motor Oil (>C24-C36)	980		350		ug/L		11/15/18 07:31	11/16/18 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150	11/15/18 07:31	11/16/18 19:40	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-66_20181106

Lab Sample ID: 580-81708-23

Date Collected: 11/06/18 10:40

Matrix: Water

Date Received: 11/08/18 12:30

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			11/13/18 19:04	1
Ethylbenzene	49		3.0		ug/L			11/13/18 19:04	1
Xylenes, Total	6.8		3.0		ug/L			11/13/18 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120					11/13/18 19:04	1
Toluene-d8 (Surr)	100		80 - 122					11/13/18 19:04	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126					11/13/18 19:04	1
4-Bromofluorobenzene (Surr)	101		80 - 125					11/13/18 19:04	1
Dibromofluoromethane (Surr)	97		77 - 120					11/13/18 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	170		120		ug/L			11/20/18 02:28	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120					11/20/18 02:28	40
Toluene-d8 (Surr)	106		80 - 122					11/20/18 02:28	40
1,2-Dichloroethane-d4 (Surr)	85		80 - 126					11/20/18 02:28	40
4-Bromofluorobenzene (Surr)	104		80 - 125					11/20/18 02:28	40
Dibromofluoromethane (Surr)	94		77 - 120					11/20/18 02:28	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	540		250		ug/L			11/14/18 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		50 - 150					11/14/18 00:31	1
Trifluorotoluene (Surr)	117		50 - 150					11/14/18 00:31	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)	460		110		ug/L		11/15/18 07:31	11/16/18 20:02	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/15/18 07:31	11/16/18 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150				11/15/18 07:31	11/16/18 20:02	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-67_20181107

Lab Sample ID: 580-81708-24

Date Collected: 11/07/18 14:15

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	44		3.0		ug/L			11/14/18 03:24	1
Toluene	ND		2.0		ug/L			11/14/18 03:24	1
Ethylbenzene	72		3.0		ug/L			11/14/18 03:24	1
Xylenes, Total	10		3.0		ug/L			11/14/18 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		11/14/18 03:24	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 03:24	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 126		11/14/18 03:24	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 03:24	1
Dibromofluoromethane (Surr)	98		77 - 120		11/14/18 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1500		250		ug/L			11/18/18 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131		50 - 150		11/18/18 06:34	1
Trifluorotoluene (Surr)	115		50 - 150		11/18/18 06:34	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)	500		110		ug/L		11/20/18 09:20	11/20/18 21:33	1
Motor Oil (>C24-C36)	ND		360		ug/L		11/20/18 09:20	11/20/18 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150	11/20/18 09:20	11/20/18 21:33	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-68_20181107

Lab Sample ID: 580-81708-25

Date Collected: 11/07/18 13:45

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 03:48	1
Toluene	ND		2.0		ug/L			11/14/18 03:48	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 03:48	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/14/18 03:48	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 03:48	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 03:48	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 03:48	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 03:48	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			11/19/18 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		50 - 150		11/19/18 17:55	1
Trifluorotoluene (Surr)	117		50 - 150		11/19/18 17:55	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		110		ug/L		11/20/18 09:20	11/20/18 21:53	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	11/20/18 09:20	11/20/18 21:53	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-69_20181107

Lab Sample ID: 580-81708-26

Date Collected: 11/07/18 13:25

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 04:14	1
Toluene	ND		2.0		ug/L			11/14/18 04:14	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 04:14	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 04:14	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 04:14	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 04:14	1
4-Bromofluorobenzene (Surr)	100		80 - 125		11/14/18 04:14	1
Dibromofluoromethane (Surr)	98		77 - 120		11/14/18 04:14	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			11/19/18 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150		11/19/18 18:22	1
Trifluorotoluene (Surr)	119		50 - 150		11/19/18 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		110		ug/L		11/20/18 09:20	11/20/18 22:14	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	11/20/18 09:20	11/20/18 22:14	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-70_20181107

Lab Sample ID: 580-81708-27

Date Collected: 11/07/18 10:45

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 04:38	1
Toluene	ND		2.0		ug/L			11/14/18 04:38	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 04:38	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 04:38	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 04:38	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 04:38	1
4-Bromofluorobenzene (Surr)	98		80 - 125		11/14/18 04:38	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 04:38	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			11/19/18 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		50 - 150		11/19/18 19:16	1
Trifluorotoluene (Surr)	116		50 - 150		11/19/18 19:16	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		11/20/18 09:20	11/20/18 22:34	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	11/20/18 09:20	11/20/18 22:34	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-71_20181106

Lab Sample ID: 580-81708-28

Date Collected: 11/06/18 16:10

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/13/18 19:30	1
Toluene	ND		2.0		ug/L			11/13/18 19:30	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 19:30	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/13/18 19:30	1
Toluene-d8 (Surr)	99		80 - 122		11/13/18 19:30	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		11/13/18 19:30	1
4-Bromofluorobenzene (Surr)	101		80 - 125		11/13/18 19:30	1
Dibromofluoromethane (Surr)	98		77 - 120		11/13/18 19:30	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			11/17/18 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		11/17/18 01:24	1
Trifluorotoluene (Surr)	121		50 - 150		11/17/18 01:24	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)	380		110		ug/L		11/15/18 07:31	11/16/18 20:24	1
Motor Oil (>C24-C36)	400		360		ug/L		11/15/18 07:31	11/16/18 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	11/15/18 07:31	11/16/18 20:24	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: AG-WELL_20181107

Lab Sample ID: 580-81708-29

Date Collected: 11/07/18 14:20

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 05:04	1
Toluene	ND		2.0		ug/L			11/14/18 05:04	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 05:04	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 05:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/14/18 05:04	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 05:04	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 05:04	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 05:04	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 05:04	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			11/19/18 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150		11/19/18 19:44	1
Trifluorotoluene (Surr)	122		50 - 150		11/19/18 19:44	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)	310		110		ug/L		11/20/18 09:20	11/20/18 22:54	1
Motor Oil (>C24-C36)	640		350		ug/L		11/20/18 09:20	11/20/18 22:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	103		50 - 150	11/20/18 09:20	11/20/18 22:54	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: Trip Blank-1_

Lab Sample ID: 580-81708-30

Date Collected: 11/07/18 00:00

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 05:28	1
Toluene	ND		2.0		ug/L			11/14/18 05:28	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 05:28	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/14/18 05:28	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 05:28	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 05:28	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 05:28	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 05:28	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			11/19/18 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		50 - 150		11/19/18 15:39	1
Trifluorotoluene (Surr)	120		50 - 150		11/19/18 15:39	1

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: Trip Blank-2_

Lab Sample ID: 580-81708-31

Date Collected: 11/07/18 00:00

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 05:53	1
Toluene	ND		2.0		ug/L			11/14/18 05:53	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 05:53	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 05:53	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 05:53	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 05:53	1
4-Bromofluorobenzene (Surr)	100		80 - 125		11/14/18 05:53	1
Dibromofluoromethane (Surr)	98		77 - 120		11/14/18 05:53	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			11/19/18 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		50 - 150		11/19/18 16:06	1
Trifluorotoluene (Surr)	117		50 - 150		11/19/18 16:06	1

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: Trip Blank-3_

Lab Sample ID: 580-81708-32

Date Collected: 11/07/18 00:00

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 06:18	1
Toluene	ND		2.0		ug/L			11/14/18 06:18	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 06:18	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 06:18	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 06:18	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 06:18	1
4-Bromofluorobenzene (Surr)	98		80 - 125		11/14/18 06:18	1
Dibromofluoromethane (Surr)	98		77 - 120		11/14/18 06:18	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			11/19/18 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150		11/19/18 16:33	1
Trifluorotoluene (Surr)	124		50 - 150		11/19/18 16:33	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: Dup-1_20181107

Lab Sample ID: 580-81708-33

Date Collected: 11/07/18 05:00

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 06:43	1
Toluene	ND		2.0		ug/L			11/14/18 06:43	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 06:43	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/14/18 06:43	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 06:43	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 06:43	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 06:43	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 06:43	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			11/19/18 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150		11/19/18 20:11	1
Trifluorotoluene (Surr)	121		50 - 150		11/19/18 20:11	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)	560		110		ug/L		11/20/18 09:20	11/20/18 23:14	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	11/20/18 09:20	11/20/18 23:14	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: Dup-2_20181107

Lab Sample ID: 580-81708-34

Date Collected: 11/07/18 05:05

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 07:08	1
Toluene	ND		2.0		ug/L			11/14/18 07:08	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 07:08	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 07:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		11/14/18 07:08	1
Toluene-d8 (Surr)	100		80 - 122		11/14/18 07:08	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 07:08	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 07:08	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 07:08	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			11/19/18 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		50 - 150		11/19/18 20:38	1
Trifluorotoluene (Surr)	119		50 - 150		11/19/18 20:38	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		110		ug/L		11/20/18 09:20	11/20/18 23:34	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	11/20/18 09:20	11/20/18 23:34	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: Dup-3_20181107

Lab Sample ID: 580-81708-35

Date Collected: 11/07/18 05:15

Matrix: Water

Date Received: 11/08/18 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 07:33	1
Toluene	ND		2.0		ug/L			11/14/18 07:33	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 07:33	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		11/14/18 07:33	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 07:33	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/14/18 07:33	1
4-Bromofluorobenzene (Surr)	98		80 - 125		11/14/18 07:33	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 07:33	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			11/19/18 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150		11/19/18 21:05	1
Trifluorotoluene (Surr)	121		50 - 150		11/19/18 21:05	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)	ND		110		ug/L		11/20/18 09:20	11/20/18 23:54	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150	11/20/18 09:20	11/20/18 23:54	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: MB 580-288738/5

Matrix: Water

Analysis Batch: 288738

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/13/18 10:44	1
Toluene	ND		2.0		ug/L			11/13/18 10:44	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 10:44	1
Xylenes, Total	ND		3.0		ug/L			11/13/18 10:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		11/13/18 10:44	1
Toluene-d8 (Surr)	99		80 - 122		11/13/18 10:44	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		11/13/18 10:44	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/13/18 10:44	1
Dibromofluoromethane (Surr)	99		77 - 120		11/13/18 10:44	1

Lab Sample ID: LCS 580-288738/6

Matrix: Water

Analysis Batch: 288738

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	9.70		ug/L		97	75 - 128
Toluene	10.0	10.0		ug/L		100	75 - 120
Ethylbenzene	10.0	9.92		ug/L		99	75 - 120
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 120
o-Xylene	10.0	9.92		ug/L		99	74 - 120
Xylenes, Total	20.0	20.0		ug/L		100	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126
4-Bromofluorobenzene (Surr)	102		80 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: LCSD 580-288738/7

Matrix: Water

Analysis Batch: 288738

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	9.64		ug/L		96	75 - 128	1	14
Toluene	10.0	9.85		ug/L		99	75 - 120	2	13
Ethylbenzene	10.0	9.62		ug/L		96	75 - 120	3	14
m-Xylene & p-Xylene	10.0	9.82		ug/L		98	75 - 120	3	14
o-Xylene	10.0	9.69		ug/L		97	74 - 120	2	16
Xylenes, Total	20.0	19.5		ug/L		98	74 - 120	3	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	101		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: BP - OPLC - Allen Station

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCSD 580-288738/7

Matrix: Water

Analysis Batch: 288738

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		80 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: 580-81708-11 MS

Matrix: Water

Analysis Batch: 288738

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	8.4		11.6	20.8		ug/L		107	75 - 128
Toluene	2.1		11.6	15.1		ug/L		112	75 - 120
m-Xylene & p-Xylene	50		11.6	61.5	4	ug/L		95	75 - 120
o-Xylene	ND		11.6	13.5		ug/L		110	74 - 120
Xylenes, Total	50		23.3	75.0		ug/L		107	74 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	104		80 - 126
4-Bromofluorobenzene (Surr)	104		80 - 125
Dibromofluoromethane (Surr)	98		77 - 120

Lab Sample ID: 580-81708-11 MSD

Matrix: Water

Analysis Batch: 288738

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	8.4		11.6	19.9		ug/L		99	75 - 128	5	35
Toluene	2.1		11.6	14.5		ug/L		106	75 - 120	4	35
m-Xylene & p-Xylene	50		11.6	59.0	4	ug/L		74	75 - 120	4	35
o-Xylene	ND		11.6	13.1		ug/L		107	74 - 120	3	35
Xylenes, Total	50		23.3	72.1		ug/L		95	74 - 120	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	103		80 - 120
Toluene-d8 (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		80 - 126
4-Bromofluorobenzene (Surr)	102		80 - 125
Dibromofluoromethane (Surr)	99		77 - 120

Lab Sample ID: MB 580-288812/5

Matrix: Water

Analysis Batch: 288812

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/13/18 22:24	1
Toluene	ND		2.0		ug/L			11/13/18 22:24	1
Ethylbenzene	ND		3.0		ug/L			11/13/18 22:24	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: MB 580-288812/5

Matrix: Water

Analysis Batch: 288812

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		3.0		ug/L			11/13/18 22:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	101		80 - 120		11/13/18 22:24	1
Toluene-d8 (Surr)	100		80 - 122		11/13/18 22:24	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		11/13/18 22:24	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/13/18 22:24	1
Dibromofluoromethane (Surr)	100		77 - 120		11/13/18 22:24	1

Lab Sample ID: LCS 580-288812/6

Matrix: Water

Analysis Batch: 288812

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 - 128
Toluene	10.0	10.3		ug/L		103	75 - 120
Ethylbenzene	10.0	10.1		ug/L		101	75 - 120
m-Xylene & p-Xylene	10.0	10.5		ug/L		105	75 - 120
o-Xylene	10.0	10.2		ug/L		102	74 - 120
Xylenes, Total	20.0	20.7		ug/L		104	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	102		80 - 120
Toluene-d8 (Surr)	99		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		80 - 126
4-Bromofluorobenzene (Surr)	99		80 - 125
Dibromofluoromethane (Surr)	101		77 - 120

Lab Sample ID: LCSD 580-288812/7

Matrix: Water

Analysis Batch: 288812

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	9.76		ug/L		98	75 - 128	3	14
Toluene	10.0	9.93		ug/L		99	75 - 120	3	13
Ethylbenzene	10.0	9.91		ug/L		99	75 - 120	2	14
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	75 - 120	3	14
o-Xylene	10.0	9.81		ug/L		98	74 - 120	4	16
Xylenes, Total	20.0	20.0		ug/L		100	74 - 120	3	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	103		80 - 120
Toluene-d8 (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		80 - 126
4-Bromofluorobenzene (Surr)	100		80 - 125
Dibromofluoromethane (Surr)	100		77 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: 580-81708-15 MS

Matrix: Water

Analysis Batch: 288812

Client Sample ID: MW-57_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	4.9		11.6	17.3		ug/L		106	75 - 128
Toluene	ND		11.6	13.2		ug/L		114	75 - 120
Ethylbenzene	ND		11.6	12.9		ug/L		111	75 - 120
m-Xylene & p-Xylene	ND		11.6	13.7		ug/L		111	75 - 120
o-Xylene	ND		11.6	12.7		ug/L		109	74 - 120
Xylenes, Total	ND		23.3	26.4		ug/L		114	74 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	102		80 - 120
Toluene-d8 (Surr)	99		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		80 - 126
4-Bromofluorobenzene (Surr)	99		80 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: 580-81708-15 MSD

Matrix: Water

Analysis Batch: 288812

Client Sample ID: MW-57_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	4.9		11.6	23.3	F1	ug/L		158	75 - 128	30	35
Toluene	ND		11.6	19.2	F1 F2	ug/L		165	75 - 120	37	35
Ethylbenzene	ND		11.6	18.7	F1 F2	ug/L		161	75 - 120	37	35
m-Xylene & p-Xylene	ND		11.6	19.7	F1 F2	ug/L		163	75 - 120	36	35
o-Xylene	ND		11.6	18.7	F1 F2	ug/L		161	74 - 120	38	35
Xylenes, Total	ND		23.3	38.4	F1 F2	ug/L		165	74 - 120	37	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 122
1,2-Dichloroethane-d4 (Surr)	101		80 - 126
4-Bromofluorobenzene (Surr)	100		80 - 125
Dibromofluoromethane (Surr)	101		77 - 120

Lab Sample ID: MB 580-288874/5

Matrix: Water

Analysis Batch: 288874

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/14/18 11:07	1
Toluene	ND		2.0		ug/L			11/14/18 11:07	1
Ethylbenzene	ND		3.0		ug/L			11/14/18 11:07	1
Xylenes, Total	ND		3.0		ug/L			11/14/18 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	99		80 - 120		11/14/18 11:07	1
Toluene-d8 (Surr)	99		80 - 122		11/14/18 11:07	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		11/14/18 11:07	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: MB 580-288874/5

Matrix: Water

Analysis Batch: 288874

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 125		11/14/18 11:07	1
Dibromofluoromethane (Surr)	99		77 - 120		11/14/18 11:07	1

Lab Sample ID: LCS 580-288874/6

Matrix: Water

Analysis Batch: 288874

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 - 128
Toluene	10.0	10.1		ug/L		101	75 - 120
Ethylbenzene	10.0	9.84		ug/L		98	75 - 120
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	75 - 120
o-Xylene	10.0	10.0		ug/L		100	74 - 120
Xylenes, Total	20.0	20.1		ug/L		101	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	101		80 - 126
4-Bromofluorobenzene (Surr)	99		80 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: LCSD 580-288874/7

Matrix: Water

Analysis Batch: 288874

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	10.3		ug/L		103	75 - 128	1	14
Toluene	10.0	10.3		ug/L		103	75 - 120	2	13
Ethylbenzene	10.0	10.1		ug/L		101	75 - 120	2	14
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	75 - 120	2	14
o-Xylene	10.0	10.2		ug/L		102	74 - 120	2	16
Xylenes, Total	20.0	20.5		ug/L		103	74 - 120	2	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	101		80 - 126
4-Bromofluorobenzene (Surr)	99		80 - 125
Dibromofluoromethane (Surr)	100		77 - 120

Lab Sample ID: MB 580-289177/5

Matrix: Water

Analysis Batch: 289177

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/16/18 22:40	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: MB 580-289177/5

Matrix: Water

Analysis Batch: 289177

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			11/16/18 22:40	1
Ethylbenzene	ND		3.0		ug/L			11/16/18 22:40	1
Xylenes, Total	ND		3.0		ug/L			11/16/18 22:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	98		80 - 120		11/16/18 22:40	1
Toluene-d8 (Surr)	103		80 - 122		11/16/18 22:40	1
1,2-Dichloroethane-d4 (Surr)	97		80 - 126		11/16/18 22:40	1
4-Bromofluorobenzene (Surr)	99		80 - 125		11/16/18 22:40	1
Dibromofluoromethane (Surr)	98		77 - 120		11/16/18 22:40	1

Lab Sample ID: LCS 580-289177/6

Matrix: Water

Analysis Batch: 289177

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 - 128
Toluene	10.0	10.0		ug/L		100	75 - 120
Ethylbenzene	10.0	10.4		ug/L		104	75 - 120
m-Xylene & p-Xylene	10.0	10.5		ug/L		105	75 - 120
o-Xylene	10.0	9.92		ug/L		99	74 - 120
Xylenes, Total	20.0	20.4		ug/L		102	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	96		80 - 120
Toluene-d8 (Surr)	103		80 - 122
1,2-Dichloroethane-d4 (Surr)	91		80 - 126
4-Bromofluorobenzene (Surr)	99		80 - 125
Dibromofluoromethane (Surr)	96		77 - 120

Lab Sample ID: LCSD 580-289177/7

Matrix: Water

Analysis Batch: 289177

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	9.62		ug/L		96	75 - 128	5	14
Toluene	10.0	9.88		ug/L		99	75 - 120	1	13
Ethylbenzene	10.0	10.1		ug/L		101	75 - 120	2	14
m-Xylene & p-Xylene	10.0	10.5		ug/L		105	75 - 120	0	14
o-Xylene	10.0	9.88		ug/L		99	74 - 120	0	16
Xylenes, Total	20.0	20.4		ug/L		102	74 - 120	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	97		80 - 120
Toluene-d8 (Surr)	102		80 - 122
1,2-Dichloroethane-d4 (Surr)	92		80 - 126
4-Bromofluorobenzene (Surr)	98		80 - 125

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCSD 580-289177/7

Matrix: Water

Analysis Batch: 289177

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	97		77 - 120

Lab Sample ID: MB 580-289245/23

Matrix: Water

Analysis Batch: 289245

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			11/19/18 18:24	1
Toluene	ND		2.0		ug/L			11/19/18 18:24	1
Ethylbenzene	ND		3.0		ug/L			11/19/18 18:24	1
Xylenes, Total	ND		3.0		ug/L			11/19/18 18:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	96		80 - 120		11/19/18 18:24	1
Toluene-d8 (Surr)	101		80 - 122		11/19/18 18:24	1
1,2-Dichloroethane-d4 (Surr)	82		80 - 126		11/19/18 18:24	1
4-Bromofluorobenzene (Surr)	97		80 - 125		11/19/18 18:24	1
Dibromofluoromethane (Surr)	95		77 - 120		11/19/18 18:24	1

Lab Sample ID: LCS 580-289245/24

Matrix: Water

Analysis Batch: 289245

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 - 128
Toluene	10.0	10.5		ug/L		105	75 - 120
Ethylbenzene	10.0	9.94		ug/L		99	75 - 120
m-Xylene & p-Xylene	10.0	10.7		ug/L		107	75 - 120
o-Xylene	10.0	9.83		ug/L		98	74 - 120
Xylenes, Total	20.0	20.5		ug/L		103	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	95		80 - 120
Toluene-d8 (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	84		80 - 126
4-Bromofluorobenzene (Surr)	97		80 - 125
Dibromofluoromethane (Surr)	97		77 - 120

Lab Sample ID: LCSD 580-289245/25

Matrix: Water

Analysis Batch: 289245

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	9.58		ug/L		96	75 - 128	5	14
Toluene	10.0	10.3		ug/L		103	75 - 120	2	13
Ethylbenzene	10.0	9.75		ug/L		97	75 - 120	2	14
m-Xylene & p-Xylene	10.0	10.7		ug/L		107	75 - 120	0	14

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCSD 580-289245/25

Matrix: Water

Analysis Batch: 289245

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	9.73		ug/L		97	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)	94		80 - 120
Toluene-d8 (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	84		80 - 126
4-Bromofluorobenzene (Surr)	100		80 - 125
Dibromofluoromethane (Surr)	95		77 - 120

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

Lab Sample ID: 580-81708-11 MS

Matrix: Water

Analysis Batch: 289245

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene - DL	500		116	575	4	ug/L		67	75 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr) - DL	96		80 - 120
Toluene-d8 (Surr) - DL	97		80 - 122
1,2-Dichloroethane-d4 (Surr) - DL	94		80 - 126
4-Bromofluorobenzene (Surr) - DL	99		80 - 125
Dibromofluoromethane (Surr) - DL	100		77 - 120

Lab Sample ID: 580-81708-11 MSD

Matrix: Water

Analysis Batch: 289245

Client Sample ID: MW-44_20181107

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	500		116	569	4	ug/L		62	75 - 120	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr) - DL	95		80 - 120
Toluene-d8 (Surr) - DL	99		80 - 122
1,2-Dichloroethane-d4 (Surr) - DL	88		80 - 126
4-Bromofluorobenzene (Surr) - DL	99		80 - 125
Dibromofluoromethane (Surr) - DL	96		77 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: MB 580-288857/6

Matrix: Water

Analysis Batch: 288857

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			11/13/18 18:11	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150					11/13/18 18:11	1
Trifluorotoluene (Surr)	107		50 - 150					11/13/18 18:11	1

Lab Sample ID: LCS 580-288857/7

Matrix: Water

Analysis Batch: 288857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	806		ug/L		81	79 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	95		50 - 150				
Trifluorotoluene (Surr)	112		50 - 150				

Lab Sample ID: LCSD 580-288857/8

Matrix: Water

Analysis Batch: 288857

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	837		ug/L		84	79 - 120	4	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		50 - 150						
Trifluorotoluene (Surr)	114		50 - 150						

Lab Sample ID: MB 580-289063/6

Matrix: Water

Analysis Batch: 289063

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			11/15/18 20:47	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150					11/15/18 20:47	1
Trifluorotoluene (Surr)	106		50 - 150					11/15/18 20:47	1

Lab Sample ID: LCS 580-289063/7

Matrix: Water

Analysis Batch: 289063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	912		ug/L		91	79 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCS 580-289063/7

Matrix: Water

Analysis Batch: 289063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		50 - 150
Trifluorotoluene (Surr)	117		50 - 150

Lab Sample ID: LCSD 580-289063/8

Matrix: Water

Analysis Batch: 289063

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	934		ug/L		93	79 - 120	2	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		50 - 150
Trifluorotoluene (Surr)	118		50 - 150

Lab Sample ID: 580-81708-11 MS

Matrix: Water

Analysis Batch: 289063

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	5400	F2	1000	5670	4	ug/L		31	79 - 120		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	203	X	50 - 150
Trifluorotoluene (Surr)	143		50 - 150

Lab Sample ID: 580-81708-11 MSD

Matrix: Water

Analysis Batch: 289063

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	5400	F2	1000	4080	4 F2	ug/L		-128	79 - 120	33	10

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	181	X	50 - 150
Trifluorotoluene (Surr)	143		50 - 150

Lab Sample ID: MB 580-289142/6

Matrix: Water

Analysis Batch: 289142

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			11/16/18 17:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		11/16/18 17:43	1
Trifluorotoluene (Surr)	120		50 - 150		11/16/18 17:43	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCS 580-289142/7

Matrix: Water

Analysis Batch: 289142

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	925		ug/L		93	79 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		50 - 150								
Trifluorotoluene (Surr)	113		50 - 150								

Lab Sample ID: LCSD 580-289142/8

Matrix: Water

Analysis Batch: 289142

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	884		ug/L		88	79 - 120	5	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		50 - 150								
Trifluorotoluene (Surr)	110		50 - 150								

Lab Sample ID: MB 580-289216/6

Matrix: Water

Analysis Batch: 289216

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline	ND		250		ug/L			11/17/18 19:19	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	92		50 - 150					11/17/18 19:19	1
Trifluorotoluene (Surr)	110		50 - 150					11/17/18 19:19	1

Lab Sample ID: LCS 580-289216/7

Matrix: Water

Analysis Batch: 289216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	938		ug/L		94	79 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		50 - 150								
Trifluorotoluene (Surr)	98		50 - 150								

Lab Sample ID: LCSD 580-289216/8

Matrix: Water

Analysis Batch: 289216

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	915		ug/L		91	79 - 120	3	10

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCSD 580-289216/8

Matrix: Water

Analysis Batch: 289216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		50 - 150
Trifluorotoluene (Surr)	97		50 - 150

Lab Sample ID: 580-81708-15 MS

Matrix: Water

Analysis Batch: 289216

Client Sample ID: MW-57_20181107

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	ND		1000	908		ug/L		91	79 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		50 - 150						
Trifluorotoluene (Surr)	106		50 - 150						

Lab Sample ID: 580-81708-15 MSD

Matrix: Water

Analysis Batch: 289216

Client Sample ID: MW-57_20181107

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	953		ug/L		95	79 - 120	5	10
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		50 - 150								
Trifluorotoluene (Surr)	110		50 - 150								

Lab Sample ID: MB 580-289274/6

Matrix: Water

Analysis Batch: 289274

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			11/19/18 14:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150					11/19/18 14:18	1
Trifluorotoluene (Surr)	91		50 - 150					11/19/18 14:18	1

Lab Sample ID: LCS 580-289274/7

Matrix: Water

Analysis Batch: 289274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	925		ug/L		93	79 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	92		50 - 150				
Trifluorotoluene (Surr)	120		50 - 150				

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCSD 580-289274/8

Matrix: Water

Analysis Batch: 289274

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	927		ug/L		93	79 - 120	0	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		50 - 150						
Trifluorotoluene (Surr)	118		50 - 150						

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

Lab Sample ID: MB 580-288963/1-A

Matrix: Water

Analysis Batch: 289120

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 288963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/15/18 07:31	11/16/18 13:49	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/15/18 07:31	11/16/18 13:49	1
Surrogate	%Recovery	MB Qualifier	Limits						
o-Terphenyl	94		50 - 150						

Lab Sample ID: LCS 580-288963/2-A

Matrix: Water

Analysis Batch: 289120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 288963

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)			2000	1800		ug/L		90	50 - 120		
Motor Oil (>C24-C36)			2000	2040		ug/L		102	64 - 120		

Lab Sample ID: LCSD 580-288963/3-A

Matrix: Water

Analysis Batch: 289120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 288963

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1630		ug/L		81	50 - 120	10	26
Motor Oil (>C24-C36)	2000	1890		ug/L		95	64 - 120	8	24
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-Terphenyl	81		50 - 150						

Lab Sample ID: MB 580-289073/1-A

Matrix: Water

Analysis Batch: 289151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 289073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/16/18 08:13	11/16/18 18:09	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: MB 580-289073/1-A

Matrix: Water

Analysis Batch: 289151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 289073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	ND		350		ug/L		11/16/18 08:13	11/16/18 18:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				11/16/18 08:13	11/16/18 18:09	1

Lab Sample ID: LCS 580-289073/2-A

Matrix: Water

Analysis Batch: 289151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 289073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1390		ug/L		70	50 - 120
Motor Oil (>C24-C36)	2000	1580		ug/L		79	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	95		50 - 150				

Lab Sample ID: LCSD 580-289073/3-A

Matrix: Water

Analysis Batch: 289151

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 289073

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1530		ug/L		76	50 - 120	9	26
Motor Oil (>C24-C36)	2000	1770		ug/L		88	64 - 120	11	24
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	110		50 - 150						

Lab Sample ID: 580-81708-11 MS

Matrix: Water

Analysis Batch: 289151

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Prep Batch: 289073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	1800		2020	3210		ug/L		71	50 - 120
Motor Oil (>C24-C36)	ND		2020	1790		ug/L		78	64 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
o-Terphenyl	101		50 - 150						

Lab Sample ID: 580-81708-11 MSD

Matrix: Water

Analysis Batch: 289151

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Prep Batch: 289073

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	1800		2000	3220		ug/L		72	50 - 120	0	26
Motor Oil (>C24-C36)	ND		2000	1810		ug/L		80	64 - 120	1	24

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: 580-81708-11 MSD

Matrix: Water

Analysis Batch: 289151

Client Sample ID: MW-44_20181107

Prep Type: Total/NA

Prep Batch: 289073

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	108		50 - 150

Lab Sample ID: 580-81708-15 MS

Matrix: Water

Analysis Batch: 289151

Client Sample ID: MW-57_20181107

Prep Type: Total/NA

Prep Batch: 289073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	130		2000	1580		ug/L		72	50 - 120		
Motor Oil (>C24-C36)	ND		2000	1810		ug/L		84	64 - 120		
Surrogate	MS %Recovery	MS Qualifier	Limits								
o-Terphenyl	102		50 - 150								

Lab Sample ID: 580-81708-15 MSD

Matrix: Water

Analysis Batch: 289151

Client Sample ID: MW-57_20181107

Prep Type: Total/NA

Prep Batch: 289073

Report Date: 10/10/2017											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	130		2010	1530		ug/L		70	50 - 120	3	26
Motor Oil (>C24-C36)	ND		2010	1760		ug/L		81	64 - 120	3	24
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	103		50 - 150								

Lab Sample ID: MB 580-289315/1-A

Matrix: Water

Analysis Batch: 289373

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 289315

Print Date: 11/20/18									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/20/18 09:20	11/20/18 17:52	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/20/18 09:20	11/20/18 17:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				11/20/18 09:20	11/20/18 17:52	1

Lab Sample ID: LCS 580-289315/2-A

Matrix: Water

Analysis Batch: 289373

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 289315

			Spike	LCS	LCS					%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)			2000	1490		ug/L		74	50 - 120		
Motor Oil (>C24-C36)			2000	1670		ug/L		84	64 - 120		
</											

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-81708-1

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

Lab Sample ID: LCSD 580-289315/3-A

Matrix: Water

Analysis Batch: 289373

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 289315

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1540		ug/L		77	50 - 120	3	26
Motor Oil (>C24-C36)	2000	1660		ug/L		83	64 - 120	0	24

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	89		50 - 150

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: C_20181106

Date Collected: 11/06/18 15:35

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 12:00	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 19:32	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 19:10	TL1	TAL SEA

Client Sample ID: MW-2_20181106

Date Collected: 11/06/18 15:05

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 12:24	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 19:59	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 19:30	TL1	TAL SEA

Client Sample ID: MW-14_20181106

Date Collected: 11/06/18 10:15

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 12:49	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 20:26	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 19:50	TL1	TAL SEA

Client Sample ID: MW-19_20181106

Date Collected: 11/06/18 11:00

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 13:14	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	20	288874	11/14/18 16:24	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 20:54	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 20:10	TL1	TAL SEA

Client Sample ID: MW-20_20181106

Date Collected: 11/06/18 12:30

Date Received: 11/08/18 12:30

Lab Sample ID: 580-81708-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 13:39	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 21:21	CJB	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 18:52	T1W	TAL SEA

Client Sample ID: MW-21_20181106

Lab Sample ID: 580-81708-6

Date Collected: 11/06/18 14:50

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 14:04	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	10	288874	11/14/18 16:48	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 21:48	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 20:50	TL1	TAL SEA

Client Sample ID: MW-35_20181106

Lab Sample ID: 580-81708-7

Date Collected: 11/06/18 11:15

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	288874	11/14/18 17:14	T1W	TAL SEA
Total/NA	Analysis	8260C	DL	100	289177	11/17/18 00:19	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	289063	11/15/18 22:35	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 21:10	TL1	TAL SEA

Client Sample ID: MW-39_20181106

Lab Sample ID: 580-81708-8

Date Collected: 11/06/18 12:10

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 14:55	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 23:09	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 21:51	TL1	TAL SEA

Client Sample ID: MW-41_20181107

Lab Sample ID: 580-81708-9

Date Collected: 11/07/18 09:15

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 15:20	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289063	11/15/18 23:02	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 22:11	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-43_20181107

Lab Sample ID: 580-81708-10

Date Collected: 11/07/18 09:40

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 15:45	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	20	289177	11/17/18 00:43	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	289216	11/17/18 21:08	T1W	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 22:31	TL1	TAL SEA

Client Sample ID: MW-44_20181107

Lab Sample ID: 580-81708-11

Date Collected: 11/07/18 09:10

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 16:10	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	10	289177	11/17/18 01:08	TL1	TAL SEA
Total/NA	Analysis	8260C		10	289245	11/19/18 22:48	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289063	11/15/18 23:56	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 22:51	TL1	TAL SEA

Client Sample ID: MW-45_20181106

Lab Sample ID: 580-81708-12

Date Collected: 11/06/18 11:40

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 17:25	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	2	289177	11/17/18 01:33	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/13/18 23:37	CJB	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/16/18 23:51	TL1	TAL SEA

Client Sample ID: MW-55_20181107

Lab Sample ID: 580-81708-13

Date Collected: 11/07/18 14:40

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 17:50	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 01:12	T1W	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/17/18 00:11	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-56_20181107

Lab Sample ID: 580-81708-14

Date Collected: 11/07/18 14:10

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 18:14	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	20	289177	11/17/18 01:57	TL1	TAL SEA
Total/NA	Analysis	8260C	DL	100	289245	11/20/18 00:02	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	289274	11/19/18 17:28	CJ	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/17/18 00:32	TL1	TAL SEA

Client Sample ID: MW-57_20181107

Lab Sample ID: 580-81708-15

Date Collected: 11/07/18 13:40

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/13/18 23:39	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 07:01	T1W	TAL SEA
Total/NA	Prep	3510C			289073	11/16/18 08:13	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289151	11/17/18 00:52	TL1	TAL SEA

Client Sample ID: MW-58_20181107

Lab Sample ID: 580-81708-16

Date Collected: 11/07/18 11:50

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 00:54	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 17:01	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 19:13	T1W	TAL SEA

Client Sample ID: MW-59_20181107

Lab Sample ID: 580-81708-17

Date Collected: 11/07/18 10:30

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 01:19	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 02:32	T1W	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 19:33	T1W	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-60_20181107

Lab Sample ID: 580-81708-18

Date Collected: 11/07/18 10:05

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 01:44	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 02:59	T1W	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 19:53	T1W	TAL SEA

Client Sample ID: MW-61_20181107

Lab Sample ID: 580-81708-19

Date Collected: 11/07/18 11:10

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 02:09	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 05:13	T1W	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 20:13	T1W	TAL SEA

Client Sample ID: MW-62_20181107

Lab Sample ID: 580-81708-20

Date Collected: 11/07/18 11:25

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 02:34	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 05:40	T1W	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 20:33	T1W	TAL SEA

Client Sample ID: MW-63_20181107

Lab Sample ID: 580-81708-21

Date Collected: 11/07/18 11:55

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 02:59	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 06:07	T1W	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 20:53	T1W	TAL SEA

Client Sample ID: MW-64_20181106

Lab Sample ID: 580-81708-22

Date Collected: 11/06/18 15:50

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 18:40	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/14/18 00:04	CJB	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-64_20181106

Lab Sample ID: 580-81708-22

Date Collected: 11/06/18 15:50

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			288963	11/15/18 07:31	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289120	11/16/18 19:40	W1T	TAL SEA

Client Sample ID: MW-66_20181106

Lab Sample ID: 580-81708-23

Date Collected: 11/06/18 10:40

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 19:04	CJ	TAL SEA
Total/NA	Analysis	8260C	DL	40	289245	11/20/18 02:28	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	288857	11/14/18 00:31	CJB	TAL SEA
Total/NA	Prep	3510C			288963	11/15/18 07:31	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289120	11/16/18 20:02	W1T	TAL SEA

Client Sample ID: MW-67_20181107

Lab Sample ID: 580-81708-24

Date Collected: 11/07/18 14:15

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 03:24	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289216	11/18/18 06:34	T1W	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 21:33	T1W	TAL SEA

Client Sample ID: MW-68_20181107

Lab Sample ID: 580-81708-25

Date Collected: 11/07/18 13:45

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 03:48	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 17:55	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 21:53	T1W	TAL SEA

Client Sample ID: MW-69_20181107

Lab Sample ID: 580-81708-26

Date Collected: 11/07/18 13:25

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 04:14	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 18:22	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: MW-69_20181107

Lab Sample ID: 580-81708-26

Date Collected: 11/07/18 13:25

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 22:14	T1W	TAL SEA

Client Sample ID: MW-70_20181107

Lab Sample ID: 580-81708-27

Date Collected: 11/07/18 10:45

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 04:38	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 19:16	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 22:34	T1W	TAL SEA

Client Sample ID: MW-71_20181106

Lab Sample ID: 580-81708-28

Date Collected: 11/06/18 16:10

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288738	11/13/18 19:30	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289142	11/17/18 01:24	CJB	TAL SEA
Total/NA	Prep	3510C			288963	11/15/18 07:31	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289120	11/16/18 20:24	W1T	TAL SEA

Client Sample ID: AG-WELL_20181107

Lab Sample ID: 580-81708-29

Date Collected: 11/07/18 14:20

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 05:04	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 19:44	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 22:54	T1W	TAL SEA

Client Sample ID: Trip Blank-1_

Lab Sample ID: 580-81708-30

Date Collected: 11/07/18 00:00

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 05:28	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 15:39	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

Client Sample ID: Trip Blank-2_

Lab Sample ID: 580-81708-31

Date Collected: 11/07/18 00:00

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 05:53	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 16:06	CJ	TAL SEA

Client Sample ID: Trip Blank-3_

Lab Sample ID: 580-81708-32

Date Collected: 11/07/18 00:00

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 06:18	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 16:33	CJ	TAL SEA

Client Sample ID: Dup-1_20181107

Lab Sample ID: 580-81708-33

Date Collected: 11/07/18 05:00

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 06:43	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 20:11	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 23:14	T1W	TAL SEA

Client Sample ID: Dup-2_20181107

Lab Sample ID: 580-81708-34

Date Collected: 11/07/18 05:05

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 07:08	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 20:38	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 23:34	T1W	TAL SEA

Client Sample ID: Dup-3_20181107

Lab Sample ID: 580-81708-35

Date Collected: 11/07/18 05:15

Matrix: Water

Date Received: 11/08/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288812	11/14/18 07:33	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	289274	11/19/18 21:05	CJ	TAL SEA
Total/NA	Prep	3510C			289315	11/20/18 09:20	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289373	11/20/18 23:54	T1W	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-81708-1

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: 580-81708-1

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	02-17-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Xylenes, Total

Sample Summary

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

TestAmerica Job ID: 580-81708-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-81708-1	C_20181106	Water	11/06/18 15:35	11/08/18 12:30
580-81708-2	MW-2_20181106	Water	11/06/18 15:05	11/08/18 12:30
580-81708-3	MW-14_20181106	Water	11/06/18 10:15	11/08/18 12:30
580-81708-4	MW-19_20181106	Water	11/06/18 11:00	11/08/18 12:30
580-81708-5	MW-20_20181106	Water	11/06/18 12:30	11/08/18 12:30
580-81708-6	MW-21_20181106	Water	11/06/18 14:50	11/08/18 12:30
580-81708-7	MW-35_20181106	Water	11/06/18 11:15	11/08/18 12:30
580-81708-8	MW-39_20181106	Water	11/06/18 12:10	11/08/18 12:30
580-81708-9	MW-41_20181107	Water	11/07/18 09:15	11/08/18 12:30
580-81708-10	MW-43_20181107	Water	11/07/18 09:40	11/08/18 12:30
580-81708-11	MW-44_20181107	Water	11/07/18 09:10	11/08/18 12:30
580-81708-12	MW-45_20181106	Water	11/06/18 11:40	11/08/18 12:30
580-81708-13	MW-55_20181107	Water	11/07/18 14:40	11/08/18 12:30
580-81708-14	MW-56_20181107	Water	11/07/18 14:10	11/08/18 12:30
580-81708-15	MW-57_20181107	Water	11/07/18 13:40	11/08/18 12:30
580-81708-16	MW-58_20181107	Water	11/07/18 11:50	11/08/18 12:30
580-81708-17	MW-59_20181107	Water	11/07/18 10:30	11/08/18 12:30
580-81708-18	MW-60_20181107	Water	11/07/18 10:05	11/08/18 12:30
580-81708-19	MW-61_20181107	Water	11/07/18 11:10	11/08/18 12:30
580-81708-20	MW-62_20181107	Water	11/07/18 11:25	11/08/18 12:30
580-81708-21	MW-63_20181107	Water	11/07/18 11:55	11/08/18 12:30
580-81708-22	MW-64_20181106	Water	11/06/18 15:50	11/08/18 12:30
580-81708-23	MW-66_20181106	Water	11/06/18 10:40	11/08/18 12:30
580-81708-24	MW-67_20181107	Water	11/07/18 14:15	11/08/18 12:30
580-81708-25	MW-68_20181107	Water	11/07/18 13:45	11/08/18 12:30
580-81708-26	MW-69_20181107	Water	11/07/18 13:25	11/08/18 12:30
580-81708-27	MW-70_20181107	Water	11/07/18 10:45	11/08/18 12:30
580-81708-28	MW-71_20181106	Water	11/06/18 16:10	11/08/18 12:30
580-81708-29	AG-WELL_20181107	Water	11/07/18 14:20	11/08/18 12:30
580-81708-30	Trip Blank-1_	Water	11/07/18 00:00	11/08/18 12:30
580-81708-31	Trip Blank-2_	Water	11/07/18 00:00	11/08/18 12:30
580-81708-32	Trip Blank-3_	Water	11/07/18 00:00	11/08/18 12:30
580-81708-33	Dup-1_20181107	Water	11/07/18 05:00	11/08/18 12:30
580-81708-34	Dup-2_20181107	Water	11/07/18 05:05	11/08/18 12:30
580-81708-35	Dup-3_20181107	Water	11/07/18 05:15	11/08/18 12:30

Loc: 580
81708



580-81708 Chain of Custody



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

Page 1 of 6

BP Site Node Path: Olympic Pipeline Company
BP/RM Facility No: Allen Station

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

Lab Name: Test America	BP/ARC Facility Address: 16292 Ovenelli Road	Consultant/Contractor: Antea Group
Lab Address: Tacoma, WA	City, State, ZIP Code: Mt. Vernon, Washingto	Consultant/Contractor Project No: WAALLAA181.10123
Lab PM: Elaine Walker	Lead Regulatory Agency: Washington Department of Ecology	Address: 4006 148th Ave NE, Redmond, WA 98052
Lab Phone: 253.248.4972	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard
Lab Shipping Acct: NA	Enfos Proposal No: 00BHW-0009/WR321242	Phone: 425-498-7711 Email: <u>Megan.Richard@anteagroup.com</u>
Lab Bottle Order No: NA	Accounting Mode: Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>	Send/Submit EDD to: <u>Megan.Richard@anteagroup.com</u>
Other Info: <u>elaine.walker@testamericainc.com</u>	Stage <u>1</u> Appraise (10) Activity Interim Measures (123)	Invoice To: BP-RM <u> </u> BP/ARC <u>X</u>

BP/RM PM: Wade Melton	Sample Details	Requested Analyses	Report Type & QC Level
PM Phone: 360-594-7978			Limited (Standard) Package <u>Y</u>
PM Email: <u>wade.melton@bp.com</u>			Limited Plus Package <u> </u>
			Full Package <u> </u>

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Pres	Filt	3260BTEX	NWTPH-Gx	NWTPH-DX	Therm. ID: <u>A2</u> Cor: <u>1.5</u> ° Unc: <u>1.2</u> °	Cooler Dsc: <u>By Blue</u>	Packing: <u>Bubble</u>	FedEx: <u> </u>	Cust. Seal: Yes <u>X</u> No <u> </u>	UPS: <u> </u>	Lab Cour: <u>Y</u>	Blue Ice, <u>Wet</u> , None, Dry	Other: <u> </u>
	C_2018 1106	11/6/18	1535	W				G	8	X	X	X	X	X	X									
	MW-2_2018 1106	11/6/18	1505	W				G	8	X	X	X	X	X	X									
	MW-9_2018			W				G		X	X	X	X	X	X									
	MW-14_2018 1106	11/6/18	1015	W				G	8	X	X	X	X	X	X									
	MW-19_2018 1106	11/6/18	1100	W				G	8	X	X	X	X	X	X									
	MW-20_2018 1106	11/6/18	1230	W				G	8	X	X	X	X	X	X									
	MW-21_2018 1106	11/6/18	1450	W				G	8	X	X	X	X	X	X									

Sampler's Name: <u>Marissa Bernard</u>	Relinquished By / Affiliation: <u>Antea</u>	Date: <u>11/8/18</u>	Time: <u>12:30</u>	Accepted By / Affiliation: <u>TASEK</u>	Date: <u>11/8/18</u>	Time: <u>1230</u>
Sampler's Company: Antea Group						
Ship Method: <u> </u>	Ship Date: <u> </u>					
Shipment Tracking No: <u> </u>						

Special Instructions:

Therm. ID: <u>A7</u> Cor: <u>0.6</u> ° Unc: <u>0.3</u> °	Therm. ID: <u>IX4</u> Cor: <u>6.1</u> ° Unc: <u>6.1</u> °	Therm. ID: <u>A2</u> Cor: <u>0.6</u> ° Unc: <u>0.3</u> °	Therm. ID: <u>A2</u> Cor: <u>0.6</u> ° Unc: <u>0.3</u> °
Cooler Dsc: <u>By Blue</u>	Cooler Dsc: <u>By Blue</u>	Cooler Dsc: <u>By Blue</u>	Cooler Dsc: <u>By Blue</u>
Packing: <u>Bubble</u>	Packing: <u>Bubble</u>	Packing: <u>Bubble</u>	Packing: <u>Bubble</u>
Cust. Seal: Yes <u>X</u> No <u> </u>	Cust. Seal: Yes <u>X</u> No <u> </u>	Cust. Seal: Yes <u>X</u> No <u> </u>	Cust. Seal: Yes <u>X</u> No <u> </u>
Blue Ice, <u>Wet</u> , None, Dry	Blue Ice, <u>Wet</u> , None, Dry	Blue Ice, <u>Wet</u> , None, Dry	Blue Ice, <u>Wet</u> , None, Dry
FedEx: <u> </u>	FedEx: <u> </u>	FedEx: <u> </u>	FedEx: <u> </u>
UPS: <u> </u>	UPS: <u> </u>	UPS: <u> </u>	UPS: <u> </u>
Lab Cour: <u>Y</u>	Lab Cour: <u>X</u>	Lab Cour: <u>Y</u>	Lab Cour: <u>Y</u>
Other: <u> </u>	Other: <u> </u>	Other: <u> </u>	Other: <u> </u>



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

Page 2 of 6

BP Site Node Path: Olympic Pipeline Company
BP/RM Facility No: Allen Station

Req Due Date (mm/dd/yy): Standard TAT Rush TAT Yes No X
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, Washingto	Consultant/Contractor Project No: WAALLAA181.10123																																											
Lab PM: Elaine Walker	Lead Regulatory Agency: Washington Department of Ecology	Address: 4006 148th Ave NE, Redmond, WA 98052																																											
Lab Phone: 253.248.4972	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard																																											
Lab Shipping Acct: NA	Enfos Proposal No: 00BHW-0009/WR321242	Phone: 425-498-7711 Email: <u>Megan.Richard@anteagroup.com</u>																																											
Lab Bottle Order No: NA	Accounting Mode: Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>	Send/Submit EDD to: <u>Megan.Richard@anteagroup.com</u>																																											
Other Info: <u>elaine.walker@testamericainc.com</u>	Stage <u>1</u> _Appraise (10) Activity Interim Measures (123)	Invoice To: BP-RM <u> </u> BP/ARC <u>X</u>																																											
BP/RM PM: Wade Melton	Sample Details	Requested Analyses																																											
PM Phone: 360-594-7978		Report Type & QC Level																																											
PM Email: <u>wade.melton@bp.com</u>		Limited (Standard) Package <u>Y</u>																																											
		Limited Plus Package <u> </u>																																											
		Full Package <u> </u>																																											
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	3260BTEX	NWTPH-Gx	NWTPH-DX	Comments																															
	MW-35_2018 1106	11/6/18	1115	W				G	8		X	X	X																																
	MW-39_2018 1106	11/6/18	1210	W				G	1		X	X	X																																
	MW-41_2018 1107	11/7/18	0915	W				G	1		X	X	X																																
	MW-43_2018 1107	11/7/18	0940	W				G			X	X	X																																
	MW-44_2018 1107	11/7/18	0910	W				G			X	X	X																																
	MW-45_2018 1106	11/6/18	1140	W				G			X	X	X																																
	MW-54_2018			W				G			X	X	X	(M-B)																															
Sampler's Name: <u>Marissa Bernard</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time																																							
Sampler's Company: Antea Group	<u>Jim S. / Antea</u>	11/8/18	1230	<u>2301 TAGIEA</u>	11/8/18	1230																																							
Ship Method:	Ship Date:																																												
Shipment Tracking No:																																													
Special Instructions:																																													
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: <u> </u> °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No																																													

BP LaMP Soil/H2O COC July 2018



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

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BP Site Node Path: Olympic Pipeline Company

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

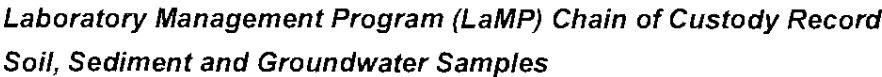
Rush TAT Yes No X

BP/RM 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, Washingto		Consultant/Contractor Project No: WAALLAA181.10123																																																													
Lab PM: Elaine Walker		Lead Regulatory Agency: Washington Department of Ecology		Address: 4006 148th Ave NE, Redmond, WA 98052																																																													
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Other Info: elaine.walker@testamericainc.com		Stage 1_Appraise (10) Activity Interim Measures (123)		Invoice To: BP-RM <u> </u> BP/ARC <u> X </u>																																																													
BP/RM PM: Wade Melton		Sample Details		Requested Analyses																																																													
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	MW-67_2018 1107	11/7/18	1415																																																														
	MW-68_2018 1107	11/7/18	1345																																																														
	MW-69_2018 1107	11/7/18	1325																																																														
Sampler's Name: Marissa Bernard		Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time																																																								
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BP LaMP Soil/H2O COC July 2018

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BP Site Node Path: Olympic Pipeline Company
BP/RM Facility No: Allen Station

Req Due Date (mm/dd/yy): Standard TAT Rush TAT Yes _____ No X

Lab Work Order Number: _____

[illegible]

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

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BP Site Node Path: Olympic Pipeline Company
BP/RM Facility No: Allen Station

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

Lab Work Order Number: _____

[illegible]

BP LaMP Soil/H2O COC July 2018

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-81708-1

Login Number: 81708

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.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	