

SUBSURFACE INVESTIGATION REPORT

Olympic Pipeline Company

Allen Pump Station

16292 Ovenell Road

Mount Vernon, Washington

Antea[®]Group Project No. WAALLEA152

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Subsurface Investigation Report

OPLC Allen Pump Station

16292 Ovenell Road, Mount Vernon, Washington

1.0 INTRODUCTION

1.1 Purpose and Scope of Work

On behalf of Remediation Management (A BP affiliated company), Antea®Group (Antea Group) has prepared this *Subsurface Investigation Report* for work completed at the Olympic Pipe Line Company (OPLC) Allen Pump Station located at 16292 Ovenell Road in Mount Vernon, Skagit County, Washington (hereinafter referred to as the “Site”). The 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. The subsequent investigation scope of work included:

- Preparing a site specific Health and Safety Plan (HASP) and Site Safety, Health, and Environmental Plan (SSHEP);
- Placing a call to the Utility Notification Center requesting the marking of all public utilities;
- Contracting a private utility locator and licensed driller in the State of Washington;
- Meeting the private utility locator to identify all private utilities at the Site;
- Pre-clearing the soil boring locations to a minimum of 6.5 feet below ground surface (bgs) using a vacuum truck with air-knife and/or hand auger;
- Installing 12 soil borings and subsequently completing all borings as groundwater monitoring wells MW-55 through MW-66;
- Collecting soil samples during pre-clearing and drilling activities;
- Developing newly installed groundwater monitoring wells MW-55 through MW-66;
- Collecting groundwater samples for quantitative chemical analyses;
- Surveying the top of casing elevations of the newly installed groundwater monitoring wells relative to existing groundwater monitoring wells;
- Interpreting the data obtained; and
- Preparing this report.

1.2 Site Description

The Site is an active petroleum pipeline pumping station operated by OPLC. The Site is located adjacent to State Route 20 (SR-20) between Avon-Allen Road and Higgins Airport Way in Mount Vernon, Washington. A Site Location Map is presented as Figure 1. The pump station receives refined petroleum products from four refineries through two incoming 16-inch pipelines. The products received at Allen Station are pumped south to OPLC’s Renton Station through an outgoing 16-inch pipeline and an outgoing 20-inch main pipeline. Allen Pump Station is fenced, and Site

features include a control building, a storage facility, an 84,000-gallon above ground utility storage tank, and various pipeline, pumps, and monitoring equipment. A Puget Sound Energy (PSE) substation is located within the fenced perimeter of Allen Pump Station along the southern portion of the Site. Outside and west of the fenced perimeter of the pump station are pipe racks, miscellaneous equipment storage, an access road and an undeveloped field. To the north of the fenced perimeter is a private residence and tillable farmland with periodic cattle grazing. To the south is a Burlington Northern Santa Fe (BNSF) operating railroad and associated easement. The fenced portion of the pump station is approximately three acres in size; OPLC owns the adjacent undeveloped 12-acre parcel located west of the fenced facility. An Expanded Site Map detailing the site features is presented as Figure 2.

The surface of the Site consists of gravel, asphalt, and concrete within the fenced facility, and undeveloped grassland outside of the fenced facility. The Site is generally flat with surrounding topography sloping gradually to the south. The surrounding area adjacent to the Site is predominately agricultural land with some residential properties. According to Google Earth, the Site is approximately 17 feet above sea level. The nearest surface water bodies are Indian Slough located along the eastern property boundary and the Skagit River located approximately 2,000 feet to the southeast.

1.3 Site History

1.3.1 1973 through 1983 - Documented Releases

According to historical reports, four releases of petroleum products to the environment occurred at the Site between 1973 and 1983. The first documented release reportedly occurred on December 21, 1973, when approximately eight barrels (336 gallons) of diesel were released. Reports indicate that the entire volume of diesel released was recovered. The second release occurred on August 8, 1975, when approximately 570 barrels (24,000 gallons) of gasoline and diesel were released, and approximately 502 barrels (21,000 gallons) were recovered. The third release occurred on August 18, 1980, when four barrels of diesel were released. There was no reported product recovery following this release. The fourth release occurred on August 14, 1983, when 1,019 barrels (42,800 gallons) of diesel were released, and approximately 870 barrels (36,500 gallons) of product were recovered.

Additional information may be found in GeoEngineers' *October 2000 Quarterly Ground Water Monitoring and 1992/1993 Site Characterization Data* report dated February 8, 2001.

1.3.2 August 1988 – Pipeline Rupture

On August 23, 1988, the 16-inch diameter high-pressure pipeline located under the OPLC Allen Pump Station ruptured. The pipeline ruptured in the southwest corner of the fenced perimeter of Allen Station, and released approximately 4,000 barrels (168,000 gallons) of diesel fuel. Immediately following the 1988 release, vacuum trucks were used to remove diesel from a recovery trench and from product recovery wells that were installed in the affected area. Approximately 1,079 barrels (45,318 gallons) of diesel had been recovered within two days after the release. Records indicate that 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 existing monitoring wells at the Site. A soil/bentonite cutoff wall was installed 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 2,300 barrels (96,600-gallons). In 1989, water samples were collected from shallow domestic water wells in the vicinity, and surface water samples were collected from two farms that surrounded the Site. Analytical results from the water samples indicated hydrocarbon concentrations of less than 1.0 milligram per liter (mg/L).

1.3.3 April 1990 – Subsurface Investigation

In 1990, Rittenhouse Zeman and Associates, Inc. (RZA) collected 91 soil samples from 46 sample locations located on the property west of and adjacent to Allen Station, and from areas adjacent to the recovery trench. The samples were analyzed for Total Petroleum Hydrocarbons (TPH) by Environmental Protection Agency (EPA) Method 418.1. Twelve samples contained concentrations of TPH in excess of Washington State Department of Ecology's (Ecology) current Model Toxics Control Act (MTCA) Method A Cleanup Levels for diesel of 2,000 milligrams per kilogram (mg/kg), however, the 418.1 analytical method did not separate gasoline range hydrocarbons from diesel range hydrocarbons.

1.3.4 June 1991 – Subsurface Investigation and Interim Response

In June 1991, RZA directed the original recovery trench to be 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 undeveloped 12-acre parcel. Additionally, RZA collected ten soil samples at depths ranging from 2 to 4 feet below ground surface (bgs) in the vicinity of the new recovery trench. According to the GeoEngineers' summary, nine of the ten soil samples contained concentrations of TPH in excess of MTCA Method A Cleanup Levels.

1.3.5 October 1991 – Subsurface Investigation

In October 1991, GeoEngineers directed the installation of four hand auger borings in the vicinity of the product recovery trench and undeveloped 12-acre parcel adjacent to the fenced facility. According to GeoEngineers' summary of previous investigations, one of the four samples contained concentrations of TPH in excess of MTCA Method A Cleanup Levels. Additionally, groundwater samples were collected from the monitoring wells at the end

of the recovery trench. One water sample was reported to contain concentrations of TPH in excess of MTCA Method A Cleanup Levels.

1.3.6 June 1992 through April 1993 – Subsurface Investigation

Between June 23, 1992, and April 14, 1993, GeoEngineers conducted a subsurface investigation of the adjacent 12-acre parcel. The investigation included the installation of 58 hand-auger soil borings to depths ranging between 2 and 13 feet bgs. GeoEngineers reported: “gasoline- and diesel-range hydrocarbons were detected at concentrations exceeding MTCA A Cleanup Levels in soil samples obtained from depths ranging from 2 to 13 feet bgs on the western portion of the Site as well as locations north, south, and west of the Site. The limits of soil contamination north of the pump station were not clearly defined.” Furthermore, GeoEngineers estimated the volume of petroleum contaminated soil west of the fenced facility to be approximately 21,400 to 53,600 cubic yards.

1.3.7 2002 – Groundwater Sampling

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.

1.3.8 June 2007 – Subsurface Investigation

On July 16, 2007, and September 25, 2007, Delta Consultants, Inc. (Delta) conducted subsurface investigations. 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 drilled to depths ranging between 10 and 32 feet bgs. Soil analytical results indicated concentrations of petroleum hydrocarbons in excess of MTCA Method A Cleanup Levels in 13 of the 36 soil samples submitted for analyses. Groundwater analytical results indicated concentrations of petroleum hydrocarbons in excess of MTCA Method A Cleanup Levels in 13 of the 18 groundwater samples submitted for analyses.

Additional information may be found in Delta’s *Soil and Groundwater Assessment Report* dated March 2008.

1.3.9 August 2009 – Subsurface Investigation

On August 25, 2009, Delta advanced seven direct-push borings as part of a subsurface investigation to further delineate the extent of hydrocarbon impacts west of the fenced facility. Soil analytical data indicated five of the seven soil samples contained concentrations of petroleum hydrocarbons in excess of MTCA Method A Cleanup Levels. Laboratory analytical results for the groundwater samples collected from the borings indicated concentrations of petroleum hydrocarbons in excess of MTCA Method A Cleanup Levels in three of the seven borings.

Additional information may be found in Delta’s *Supplemental Soil and Groundwater Assessment Report*, dated May 2010.

1.3.10 March 2010 – Site Hazard Assessment

On March 18, 2010, the Skagit County Health Department, on behalf of Ecology, conducted an Initial Site Hazard Assessment. On August 23, 2010, the Skagit County Health Department issued the results of the Site Hazard Assessment (SHA). 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 SHA, water sample collection from the oil/water separator located in the southwest corner of the Site was added to the semi-annual scope of work.

1.3.11 January 2011 – Agricultural Well

On January 31, 2011, following a request by the Skagit County Health Department, Antea Group collected a groundwater sample from an agricultural well located on the property north of and adjacent to Allen Station. Analytical results of the groundwater sample were below laboratory method detection limits and MTCA Method A Cleanup Levels. A report documenting the analytical results was submitted to the Skagit County Health Department on May 3, 2011.

1.3.12 October 2013 – Subsurface Investigation

Antea Group conducted a subsurface investigation at OPLC Allen Pump Station. The investigation was performed to further delineate shallow soil and groundwater in regards to petroleum hydrocarbon concentrations at the Site. On October 28 and 29, 2013, Antea Group directed the installation of six groundwater monitoring wells on the Site. A total of twelve soil samples were collected and submitted to Test America for quantitative chemical analyses. Soil laboratory analytical results indicated that concentrations of total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), benzene, ethylbenzene, and xylenes exceeded MTCA Method A Cleanup Levels. Groundwater samples were collected from all monitoring wells on the Site and were submitted for analysis on December 17, 2013. Groundwater analytical results indicated concentrations of TPH-G, TPH-D, benzene, ethylbenzene, and xylenes in excess of MTCA Method A Cleanup Levels.

Additional information may be found in Antea Group's *Subsurface Investigation Report*, dated March, 26, 2014.

1.3.13 November and December 2014 – Subsurface Investigation

Antea Group conducted a subsurface investigation at OPLC Allen Pump Station between November and December 2014. The investigation was performed following a release of product from a 2-inch bleed valve located on the body of the 20-inch main line valve. On November 9, 2014, light non-aqueous phase liquid (LNAPL) was observed in monitoring well MW-18. The release was discovered on November 10, 2014 by OPLC personnel performing maintenance activities on equipment associated with the 20-inch main line valve. Between November 6 and 17, 2014, and December 17 and 19, 2014, Antea Group directed the advancement of 45 soil borings, and subsequently completed 26 of the soil borings as groundwater monitoring wells. A total of 70 soil samples were collected and submitted to Test America or ALS for quantitative chemical analyses. Soil laboratory analytical results indicated

concentrations of TPH-G, TPH-D, and/or benzene, toluene, ethylbenzene, xylenes (BTEX) in excess of MTCA Method A Cleanup Levels in 37 of the 70 soil samples. Groundwater monitoring and sampling events were conducted on all monitoring wells between November 6 and 7, 2014, on November 11, 2014, between November 17 and 19, 2014, and between January 12 and 14, 2015. Groundwater analytical results indicated concentrations of TPH-G, TPH-D, and/or BTEX in excess of MTCA Method Cleanup Levels in a majority of the wells on site. Surface water samples were collected from three locations on Big Indian Slough on November 19, 2014. Surface water analytical results did not detect petroleum hydrocarbons in any of the samples. One sample was collected from the agricultural well located on the adjacent property to the north on December 1, 2014. Laboratory analytical results indicated that concentrations of petroleum hydrocarbons were not detected in excess of MTCA Method A Cleanup Levels or laboratory MRLs. Following the release response, Antea Group conducted weekly groundwater gauging events of all wells to monitor for the presence of LNAPL at the Site. Weekly multi-phase extraction (MPE) events were conducted on any well with measureable LNAPL. Measureable LNAPL has been observed in wells MW-18, MW-34, RW-1, RW-3, RW-4, RW-5, and/or RW-7. Since initial response activities through March 2015, approximately 563 gallons of LNAPL have been recovered.

Additional information may be found in Antea Group's *Subsurface Investigation Report* dated April 10, 2015.

1.4 Current Site Activities

Groundwater sampling events are conducted at the Site on a quarterly basis. Between December 2014 and March 2015, Antea Group conducted weekly groundwater monitoring and MPE events. During the events, fluid levels in all wells are monitored and MPE is conducted on any well that contains measureable LNAPL. The monitoring and MPE events were reduced to a bi-weekly schedule in April 2015. MPE events were suspended in September 2015 following commencement of construction activities within OPLC's fenced facility. Bi-weekly monitoring events are scheduled to continue through December 2016 or until LNAPL thicknesses are reduced to trace amounts. Measureable LNAPL is currently observed in monitoring wells MW-18 and MW-34. Due to construction activities, Antea Group has not been able to safely access many of the recovery wells (RW-1 through RW-7) to monitor for the presence of LNAPL.

2.0 PROJECT ACTIVITIES

2.1 Drilling and Soil Sampling

Prior to the commencement of work, Antea Group contacted the Utility Notification Center to identify and mark the locations of known public underground utilities in the area. Prior to ground disturbance activities, Applied Professional Services, Inc. (APS) of North Bend, Washington was contracted to mark the locations of private underground utilities on the property. Proposed boring locations were adjusted where the presence of underground utilities identified during private utility locating activities.

Between September 28 and 30, 2015, Antea Group contracted Cascade Drilling, Inc. (Cascade) of Woodinville, Washington in drilling and installation of 12 monitoring wells (MW-55 through MW-66) using a limited access direct push Geoprobe® drill rig. Nine of the twelve monitoring wells (MW-55 through MW-63) were installed in the adjacent field north of the fenced facility. One monitoring well (MW-64) was installed west of MW-23. One monitoring well (MW-65) was installed along the west side of the pump sound enclosure in the asphalt paved driveway. One monitoring well (MW-66) was installed west of the utility tank in the northwest portion of the facility. Boring locations were cleared to a minimum depth of 6.5 feet bgs with a vacuum truck and/or hand auger. Shallow soil samples were collected from select borings using a hand auger advanced into the undisturbed soil ahead of the pre-cleared/widened boring. Discrete soil samples were collected between 1.5 feet to 15 feet bgs to characterize subsurface lithology and to provide samples for chemical analyses. An Antea Group geologist examined each soil sample and logged the borings using the Unified Soil Classification System. After collection, each soil sample was field screened for the presence of volatile organic compounds with a photoionization detector (PID) to facilitate selecting representative soil samples for laboratory chemical analyses. A total of 17 soil samples from the vadose zone were submitted to Test America in Tacoma, Washington for quantitative chemical analyses following chain-of-custody documentation. The field procedures used during the investigation are provided in Appendix A.

2.2 Well Completion Details

The newly installed monitoring wells were set at 13 feet bgs and completed as 2-inch groundwater monitoring wells consisting of Schedule 40 (SCH 40) poly-vinyl chloride (PVC) casing with ten feet of 0.010" slotted screen. The annular space of each monitoring well consisted of #2/12 filter sand 6 to 12 inches above the screen, followed with a seal of hydrated bentonite chips to approximately 1 foot bgs. All wells were completed below grade with a flush mounted well box cemented in place over the well head.

Boring logs detailing soil horizons, sample recovery, PID screening values, and well completion details are presented in Appendix B.

2.3 Well Development and Surveying

On October 5, 2015 all monitoring wells were developed using polyethylene bailers purging a minimum of three casing volumes, or until the monitoring well ran dry.

The location and elevation of the 12 new monitoring wells were surveyed on October 21, 2015, during the fourth quarter groundwater monitoring and sampling event. The top of casing for each well was surveyed relative to the existing benchmarks (MW-19 and MW-22) and elevations were surveyed to the nearest 0.01.

2.4 Groundwater Monitoring Sampling

Third quarter groundwater monitoring and sampling was conducted on July 13 and 14, 2015. Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-19 through MW-25, MW-27 through MW-29, MW-31, MW-

32, MW-35 through MW-45, MW-47 through MW-53, and IW-1. No groundwater samples were collected from monitoring wells C, MW-9, MW-12, MW-14, MW-17A, and MW-54 due to dry conditions with the wells. Groundwater samples were not collected from monitoring wells MW-18 and MW-34 due to measurable LNAPL at thicknesses of 0.05 feet and 0.37 feet, respectively.

Fourth quarter groundwater monitoring and sampling was conducted on October 19 through 21, 2015. Groundwater samples were collected from existing monitoring wells IW-1, MW-1, MW-2, MW-18 through MW-25, MW-27 through MW-29, MW-31, MW-35 through MW-45, MW-47 through MW-53, and MW-55 through MW-66. No groundwater samples were collected from monitoring wells C, MW-9, MW-12, MW-14, MW-17A, and MW-54 due to dry conditions within the wells. Groundwater samples were not collected from monitoring well MW-32 due to a damaged well box that rendered the well inaccessible. Groundwater samples were not collected from MW-34 due to the presence of measureable LNAPL at a thickness of 1.96 feet.

The samples collected during the July 2015 and October 2015 sampling events were collected utilizing low-flow sampling techniques utilizing a peristaltic pump with dedicated tubing. Groundwater was collected in laboratory supplied containers and the groundwater samples were submitted to Test America Inc. in Tacoma, Washington for quantitative hydrocarbon analysis following chain-of-custody documentation.

2.5 Investigation-Derived Waste

Investigation-derived waste in the form of soil cuttings were temporarily stored in sealed, properly labeled, 55 gallon drums on site. Decontamination fluids and purge water generated from the groundwater sampling, drilling, and/or MPE events are temporarily housed on site in baker tanks inside the fenced Property. The purge water periodically hauled off-site for disposal at Oil Re-Refining Company (ORRCO) in Portland, Oregon.

3.0 PROJECT RESULTS

3.1 Subsurface Lithologic Conditions

According to the *EDR Radius Map Report with Geotcheck®*, the dominant soil compositions in the area are Sumas soils. The Sumas series consist of silt-clay mixtures with varying amounts of fine sand. Soils observed during previous investigations include silty to gravelly sand fill material in isolated locations from 0 to 3 feet bgs and native silty sand, silt, and clay. These soils are consistent with the Sumas series. This type of soil belongs to the Class D hydrologic group meaning the soil has very slow infiltration rates due to clay content impeding the downward movement of water.

The Site is located within the Skagit River Watershed. Groundwater flow direction at the Site is predominately to the southwest. Depth to groundwater ranges from 0.90 feet bgs to 11.62 feet bgs. Based on Antea Group's field observations, the Site soils generally consist of clay, silt, silty-sand and sand. These observations are consistent

with the geological classification of the area. More detailed descriptions of the subsurface are presented in the soil boring logs in Appendix B.

3.2 Quantitative Soil Analyses

Test America analyzed the soil samples for the presence of the following constituents:

- TPH-G by Northwest Method NWTPH-Gx;
- TPH-D and total petroleum hydrocarbons as oil (TPH-O) by Northwest Method NWTPH-Dx with silica gel cleanup; and
- BTEX by Environmental Protection Agency (EPA) Method 8260B.
- Total lead by 6020.

Quantitative laboratory analyses indicated concentrations of TPH-G and TPH-D in excess of MTCA Method A Cleanup Levels in soil samples MW-58-2.5, MW-58-5, MW-59-2.5, MW-59-5 (TPH-G only), MW-65-2.5, MW-65-5, and MW-66-2.5. Concentrations of benzene, ethylbenzene, and/or xylenes in soil samples MW-65-2.5, MW-65-5, and MW-66-2.5 were detected in excess of MTCA Method A Cleanup Levels. Soil sample MW-65-2.5 had the highest concentrations of benzene and TPH-G at 24 mg/kg and 11,000 mg/kg, respectively. The remaining soil samples submitted for analysis did not contain hydrocarbon concentrations in excess of laboratory method reporting limits and/or MTCA Method A Cleanup Levels.

Soil analytical data are summarized in Table 1 and presented on Figure 3. The laboratory analytical reports are presented in Appendix C.

3.3 Quantitative Groundwater Analyses

Test America analyzed the groundwater samples for the presence of the following constituents:

- TPH-G by Northwest Method NWTPH-Gx;
- TPH-D and TPH-O by Northwest Method NWTPH-Dx with silica gel cleanup;
- BTEX by EPA Method 8260.

Quantitative laboratory analyses indicated concentrations of TPH-G, TPH-D, TPH-O, and BTEX in excess of MTCA Method A Cleanup Levels in the majority of monitoring wells on site during the second half 2015 groundwater monitoring and sampling events. TPH-G was detected at a maximum concentration of 72,000 micrograms per liter (ug/L), in well MW-31. TPH-D and TPH-O were detected at maximum concentrations of 16,000 ug/L and 790 ug/L, respectively in well MW-18. Benzene was detected at a maximum concentration of 15,000 ug/L in monitoring well MW-53. Toluene was detected at a maximum concentration of 2,600 ug/L in well MW-35. Ethylbenzene was detected at maximum concentrations of 2,800 ug/L in wells MW-31 and MW-35. Total xylenes was detected at a maximum concentration of 13,000 ug/L in well MW-36.

Groundwater Analytical Data Maps for the July 2015 and October 2015 events are presented on Figures 4 and 5. Potentiometric Maps with groundwater elevation contours for the July 2015 and October 2015 events are presented on Figures 6 and 7. TPH-G Plume Maps for the third and fourth quarter groundwater sampling events are presented on Figures 8 and 9. Historical groundwater gauging data during the second half of 2015 are summarized in Table 2. The results of the groundwater analyses are summarized in Table 3, and a copy of the groundwater laboratory analytical reports are included as Appendix C.

4.0 SUMMARY

On behalf of Remediation Management, Antea Group conducted a subsurface investigation at OPLC Allen Pump Station. The investigation was performed to further evaluate shallow soil and groundwater conditions with respect to petroleum hydrocarbons. Between September 28 and 30, 2015, Antea Group directed the advancement of 12 soil borings as groundwater monitoring wells. Soil laboratory analytical results indicated concentrations of TPH-G, TPH-D, and/or BTEX in excess of MTCA Method A Cleanup Levels in 7 of the 17 soil samples collected. Third and fourth quarter groundwater monitoring and sampling events were conducted on all monitoring wells between July 13 and 14, 2015, and between October 19 and 21, 2015. Groundwater analytical results indicated concentrations of TPH-G, TPH-D, and/or BTEX in excess of MTCA Method Cleanup Levels in a majority of the wells on site. Currently, Antea Group is continuing bi-weekly groundwater gauging events of all wells to monitor for the presence of LNAPL at the Site. The next groundwater monitoring and sampling event is scheduled for the first quarter of 2016.

5.0 REFERENCES

- October 2000 Quarterly Ground Water Monitoring and 1992/1993 Site Characterization Data, GeoEngineers, February 8, 2001.
- Soil and Groundwater Assessment Report, Delta Consultants, March 2008.
- Supplemental Soil and Groundwater Assessment Report, Delta Consultants, May 2010.
- Subsurface Investigation Report, Antea Group, March 2014.
- Subsurface Investigation Report, Antea Group, April 2015.

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	Summary of Soil Analytical Data
Table 2	Summary of Groundwater Gauging Data
Table 3	Summary of Groundwater Analytical Data

TABLE 1
Summary of Soil Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B mg/kg	T mg/kg	E mg/kg	X mg/kg	TPH-D mg/kg	TPH-G mg/kg	TPH-O mg/kg	Lead mg/kg
Sample ID	Date								
MTCA METHOD A CLEANUP LEVELS		0.03	7	6	9	2000	30	2000	250
MW-55-5	9/28/2015	< 0.020	< 0.049	< 0.049	< 0.049	< 30	< 4.9	< 59	3.3
MW-56-2.5	9/28/2015	< 0.023	< 0.057	< 0.057	< 0.057	< 31	< 5.7	< 62	6.2
MW-57-3	9/28/2015	< 0.023	< 0.058	< 0.058	< 0.058	< 33	< 5.8	< 67	5.9
MW-58-2.5	9/29/2015	< 0.019	< 0.048	< 0.048	< 0.048	13000	530	560	3.5
MW-58-5	9/29/2015	< 0.017	< 0.042	< 0.042	< 0.042	3900	2000	160	1.3
MW-59-2.5	9/29/2015	< 0.020	< 0.051	< 0.051	< 0.051	11000	5500	330	4.7
MW-59-5	9/29/2015	< 0.023	< 0.058	< 0.058	< 0.058	62	32	< 68	1.4
MW-60-2.5	9/29/2015	< 0.021	< 0.054	< 0.054	< 0.054	< 29	< 5.4	< 59	2.8
MW-60-5	9/29/2015	< 0.018	< 0.045	< 0.045	< 0.045	< 29	< 4.5	< 57	1.6
MW-61-2.5	9/29/2015	<0.053	0.057	0.048	0.056	< 31	< 6.1	< 61	6.0
MW-61-5	9/29/2015	< 0.043	< 0.49	< 0.49	< 0.49	< 26	< 4.9	< 52	0.97
MW-62-5	9/29/2015	< 0.043	< 0.49	< 0.49	< 0.49	< 27	< 4.9	< 55	0.88
MW-63-5	9/29/2015	< 0.049	< 0.55	< 0.55	< 0.55	< 32	< 5.5	< 65	2.3

TABLE 1
Summary of Soil Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B mg/kg	T mg/kg	E mg/kg	X mg/kg	TPH-D mg/kg	TPH-G mg/kg	TPH-O mg/kg	Lead mg/kg
MW-64-2.5	9/30/2015	< 0.020	< 0.049	< 0.049	< 0.049	53	< 4.9	< 55	1.7
MW-65-2.5	9/30/2015	24	1.1	230 E1	38	12000	11000	< 550	5.8
MW-65-5	9/30/2015	6.0	0.23	110	1.5	3200	5100	180	3.0
MW-66-2.5	9/30/2015	0.93	0.19	31	15	2800	3000	210	8.9

Notes:

B = Benzene

T = Toluene

E = Ethyl benzene

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 with silica gel cleanup

TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx with silica gel cleanup

30/100* = 100 mg/kg if no detectable levels of Benzene in the sample - otherwise 30 mg/kg

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

mg/kg = Milligrams per liter (ppm)

MTCA = Model Toxics Control Act

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

E1 = Laboratory Qualifier "Result Exceeded Calibration Range"

TABLE 2
Summary of Groundwater Gauging Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
C	6/23/1992	101.40	8.47	NP	--	92.93	--
C	7/2/1992	101.40	7.99	NP	--	93.41	--
C	8/17/1992	101.40	8.66	NP	--	92.74	--
C	9/30/1992	101.40	--	--	--	--	NG
C	10/30/1992	101.40	8.47	NP	--	92.93	--
C	11/30/1992	101.40	3.57	NP	--	97.83	--
C	4/16/1993	101.40	6.84	NP	--	94.56	--
C	10/3/2000	101.40	--	--	--	--	Dry
C	2/28/2001	101.40	6.55	NP	--	94.85	--
C	5/30/2001	101.40	7.81	NP	--	93.59	--
C	8/22/2001	101.40	9.16	NP	--	92.24	--
C	11/21/2001	101.40	6.49	NP	--	94.91	--
C	2/20/2002	101.40	5.31	NP	--	96.09	--
C	5/16/2002	101.40	6.89	NP	--	94.51	--
C	8/2/2002	101.40	8.22	NP	--	93.18	--
C	12/19/2002	101.40	8.72	NP	--	92.68	--
C	5/19/2003	101.40	8.10	NP	--	93.30	--
C	11/13/2003	101.40	7.51	NP	--	93.89	--
C	6/4/2004	101.40	7.13	NP	--	94.27	--
C	10/7/2004	101.40	7.98	NP	--	93.42	--
C	4/28/2005	101.40	6.00	NP	--	95.40	--
C	11/16/2005	101.40	5.95	NP	--	95.45	--
C	6/13/2006	101.40	7.44	NP	--	93.96	--
C	2/26/2007	101.40	3.79	NP	--	97.61	--
C	5/9/2007	101.40	7.48	NP	--	93.92	--
C	7/16/2007	101.40	8.99	NP	--	92.41	--
C	8/22/2007	101.40	9.19	NP	--	92.21	--
C	9/25/2007	101.40	9.80	NP	--	91.60	--
C	10/25/2007	101.40	7.40	NP	--	94.00	--
C	11/9/2007	101.40	8.15	NP	--	93.25	--
C	12/3/2007	101.40	7.12	NP	--	94.28	--
C	1/17/2008	101.40	4.64	NP	--	96.76	--
C	4/7/2008	101.40	4.94	NP	--	96.46	--
C	7/22/2008	101.40	8.55	NP	--	92.85	--
C	10/21/2008	101.40	9.37	NP	--	92.03	--
C	1/20/2009	101.40	4.61	NP	--	96.79	--
C	7/6/2009	101.40	9.07	NP	--	92.33	--
C	3/17/2010	101.40	6.51	NP	--	94.89	--
C	9/15/2010	101.40	8.89	NP	--	92.51	--
C	3/4/2011	101.40	4.31	NP	--	97.09	--
C	8/24/2011	101.40	8.89	NP	--	92.51	--
C	5/10/2012	101.40	4.95	NP	--	96.45	--
C	11/15/2012	101.40	7.07	NP	--	94.33	--
C	3/27/2013	101.40	5.36	NP	--	96.04	--
C	12/17/2013	101.40	7.21	NP	--	94.19	--
C	6/24/2014	101.40	7.77	NP	--	93.63	--
C	11/7/2014	101.40	4.60	NP	--	96.80	--
C	11/8/2014	101.40	4.71	NP	--	96.69	--
C	11/8/2014	101.40	4.75	NP	--	96.65	--
C	11/10/2014	101.40	5.01	NP	--	96.39	--
C	11/12/2014	101.40	5.39	NP	--	96.01	--
C	11/18/2014	101.40	6.34	NP	--	95.06	--
C	11/19/2014	101.40	6.40	NP	--	95.00	--
C	12/1/2014	98.86	4.71	NP	--	94.15	--
C	12/8/2014	98.86	5.00	NP	--	93.86	--

TABLE 2
Summary of 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	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	--
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	--
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	--	--	--

TABLE 2
Summary of 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	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	--	--	--
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	--	--	--
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 2
Summary of Groundwater Gauging Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	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	--
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	--

TABLE 2
Summary of Groundwater Gauging Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	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-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	--
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	--

TABLE 2
Summary of 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	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	--
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-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 2
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 Allen Pump Station
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 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	--	--	--	--	--	WI
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	--
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

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 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	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-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	--
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	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-12	11/9/2014	101.10	4.45	NP	--	96.65	--
MW-12	11/10/2014	101.10	4.79	NP	--	96.31	--
MW-12	11/12/2014	101.10	5.25	NP	--	95.85	--
MW-12	11/18/2014	101.10	6.16	NP	--	94.94	--
MW-12	11/19/2014	101.10	6.21	NP	--	94.89	--
MW-12	12/1/2014	98.46	4.65	NP	--	93.81	--
MW-12	12/8/2014	98.46	4.80	NP	--	93.66	--
MW-12	12/15/2014	98.46	4.44	NP	--	94.02	--
MW-12	12/22/2014	98.46	4.38	NP	--	94.08	--
MW-12	12/29/2014	98.46	4.13	NP	--	94.33	--
MW-12	1/5/2015	98.46	2.93	NP	--	95.53	--
MW-12	1/12/2015	98.46	4.44	NP	--	94.02	--
MW-12	1/19/2015	98.46	3.74	NP	--	94.72	--
MW-12	1/26/2015	98.46	3.91	NP	--	94.55	--
MW-12	2/2/2015	98.46	4.92	NP	--	93.54	--
MW-12	2/9/2015	98.46	3.79	NP	--	94.67	--
MW-12	2/16/2015	98.46	4.35	NP	--	94.11	--
MW-12	2/23/2015	98.46	4.97	NP	--	93.49	--
MW-12	3/2/2015	98.46	4.70	NP	--	93.76	--
MW-12	3/9/2015	98.46	5.63	NP	--	92.83	--
MW-12	3/16/2015	98.46	4.28	NP	--	94.18	--
MW-12	3/23/2015	98.46	4.22	NP	--	94.24	--
MW-12	3/30/2015	98.46	4.56	NP	--	93.90	--
MW-12	4/6/2015	98.46	5.63	NP	--	92.83	--
MW-12	4/22/2015	98.46	6.77	NP	--	91.69	--
MW-12	5/4/2015	98.46	6.90	NP	--	91.56	--
MW-12	5/18/2015	98.46	7.38	NP	--	91.08	--
MW-12	6/1/2015	98.46	7.96	NP	--	90.50	--
MW-12	6/15/2015	98.46	8.36	NP	--	90.10	--
MW-12	6/19/2015	98.46	8.50	NP	--	89.96	--
MW-12	6/29/2015	98.46	8.73	NP	--	89.73	--
MW-12	7/13/2015	98.46	9.03	NP	--	89.43	--
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-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	--

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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	2/20/2002	99.36	4.35	4.18	0.17	95.14	--
MW-14	5/16/2002	99.36	5.14	NP	--	94.22	--
MW-14	8/2/2002	99.36	6.98	NP	--	92.38	--
MW-14	12/19/2002	99.36	6.66	6.64	0.02	92.72	--
MW-14	5/19/2003	99.36	6.03	6.02	0.01	93.34	--
MW-14	11/13/2003	99.36	6.27	6.26	0.01	93.10	--
MW-14	6/4/2004	99.36	5.57	NP	--	93.79	--
MW-14	10/7/2004	99.36	6.27	NP	--	93.09	--
MW-14	4/28/2005	99.36	4.53	NP	--	94.83	--
MW-14	11/16/2005	99.36	4.32	NP	--	95.04	--
MW-14	6/13/2006	99.36	5.94	NP	--	93.42	--
MW-14	2/26/2007	99.36	2.50	NP	--	96.86	--
MW-14	5/9/2007	99.36	6.68	NP	--	92.68	--
MW-14	7/16/2007	99.36	7.06	NP	--	92.30	--
MW-14	8/22/2007	99.36	7.58	NP	--	91.78	--
MW-14	9/25/2007	99.36	7.90	NP	--	91.46	--
MW-14	10/25/2007	99.36	5.25	NP	--	94.11	--
MW-14	11/9/2007	99.36	6.24	NP	--	93.12	--
MW-14	12/3/2007	99.36	5.17	NP	--	94.19	--
MW-14	1/17/2008	99.36	3.10	NP	--	96.26	--
MW-14	4/7/2008	99.36	3.41	NP	--	95.95	--
MW-14	7/22/2008	99.36	6.64	NP	--	92.72	--
MW-14	10/21/2008	99.36	7.42	NP	--	91.94	--
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	--	--	--	--	Dry
MW-14	11/15/2012	99.36	--	--	--	--	Dry
MW-14	3/27/2013	99.36	--	--	--	--	Dry
MW-14	12/17/2013	99.36	4.00	NP	--	95.36	--
MW-14	6/24/2014	99.36	4.53	NP	--	94.83	--
MW-14	11/7/2014	99.36	1.34	NP	--	98.02	--
MW-14	11/8/2014	99.36	2.01	NP	--	97.35	--
MW-14	11/8/2014	99.36	2.01	NP	--	97.35	--
MW-14	11/9/2014	99.36	1.64	NP	--	97.72	--
MW-14	11/10/2014	99.36	1.98	NP	--	97.38	--
MW-14	11/18/2014	99.36	3.27	NP	--	96.09	--
MW-14	11/19/2014	99.36	3.32	NP	--	96.04	--
MW-14	12/1/2014	99.36	1.80	NP	--	97.56	--
MW-14	12/8/2014	99.36	1.90	NP	--	97.46	--
MW-14	12/15/2014	99.36	1.59	NP	--	97.77	--
MW-14	12/22/2014	99.36	1.68	NP	--	97.68	--
MW-14	12/29/2014	99.36	1.35	NP	--	98.01	--
MW-14	1/5/2015	99.36	0.65	NP	--	98.71	--
MW-14	1/12/2015	99.36	1.28	NP	--	98.08	--
MW-14	1/19/2015	99.36	1.32	NP	--	98.04	--
MW-14	1/26/2015	99.36	1.29	NP	--	98.07	--
MW-14	2/2/2015	99.36	2.03	NP	--	97.33	--
MW-14	2/9/2015	99.36	1.29	NP	--	98.07	--
MW-14	2/16/2015	99.36	1.42	NP	--	97.94	--
MW-14	2/23/2015	99.36	2.09	NP	--	97.27	--
MW-14	3/2/2015	99.36	1.82	NP	--	97.54	--

TABLE 2
Summary of Groundwater Gauging Data
 Allen Pump Station
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-14	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	--
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-17A	4/28/2005	101.53	5.52	NP	--	96.01	--
MW-17A	11/16/2005	101.53	7.63	NP	--	93.90	--
MW-17A	6/13/2006	101.53	7.05	NP	--	94.48	--
MW-17A	2/26/2007	101.53	4.98	NP	--	96.55	--
MW-17A	5/9/2007	101.53	6.63	NP	--	94.90	--
MW-17A	7/16/2007	101.53	7.98	NP	--	93.55	--
MW-17A	8/22/2007	101.53	8.55	NP	--	92.98	--
MW-17A	9/25/2007	101.53	8.93	NP	--	92.60	--
MW-17A	10/25/2007	101.53	7.88	NP	--	93.65	--
MW-17A	11/9/2007	101.53	7.95	NP	--	93.58	--
MW-17A	12/3/2007	101.53	7.53	NP	--	94.00	--
MW-17A	1/17/2008	101.53	5.95	NP	--	95.58	--
MW-17A	4/7/2008	101.53	5.42	NP	--	96.11	--
MW-17A	7/22/2008	101.53	7.66	NP	--	93.87	--
MW-17A	10/21/2008	101.53	8.75	NP	--	92.78	--
MW-17A	1/20/2009	101.53	5.14	NP	--	96.39	--
MW-17A	7/6/2009	101.53	8.11	NP	--	93.42	--
MW-17A	3/17/2010	101.53	6.58	NP	--	94.95	--
MW-17A	9/15/2010	101.53	8.20	NP	--	93.33	--
MW-17A	3/4/2011	101.53	4.99	NP	--	96.54	--
MW-17A	8/24/2011	101.53	8.11	NP	--	93.42	--
MW-17A	5/10/2012	101.53	5.25	NP	--	96.28	--
MW-17A	11/15/2012	101.53	7.82	NP	--	93.71	--
MW-17A	3/27/2013	101.53	5.59	NP	--	95.94	--
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	--

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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	11/10/2014	101.53	6.50	NP	--	95.03	--
MW-17A	11/10/2014	101.53	6.47	NP	--	95.06	--
MW-17A	11/10/2014	101.53	6.45	NP	--	95.08	--
MW-17A	11/10/2014	101.53	6.50	NP	--	95.03	--
MW-17A	11/10/2014	101.53	6.50	NP	--	95.03	--
MW-17A	11/11/2014	101.53	6.51	NP	--	95.02	--
MW-17A	11/11/2014	101.53	6.51	NP	--	95.02	--
MW-17A	11/12/2014	101.53	6.51	NP	--	95.02	--
MW-17A	11/13/2014	101.53	6.56	NP	--	94.97	--
MW-17A	11/14/2014	101.53	6.68	NP	--	94.85	--
MW-17A	11/17/2014	101.53	6.80	NP	--	94.73	--
MW-17A	11/18/2014	101.53	6.85	NP	--	94.68	--
MW-17A	11/19/2014	101.53	6.85	NP	--	94.68	--
MW-17A	12/1/2014	98.54	6.16	NP	--	92.38	--
MW-17A	12/8/2014	98.54	6.25	NP	--	92.29	--
MW-17A	12/15/2014	98.54	5.75	NP	--	92.79	--
MW-17A	12/22/2014	98.54	5.75	NP	--	92.79	--
MW-17A	12/29/2014	98.54	5.40	NP	--	93.14	--
MW-17A	1/5/2015	98.54	5.42	NP	--	93.12	--
MW-17A	1/12/2015	98.54	5.16	NP	--	93.38	--
MW-17A	1/14/2015	98.54	5.16	NP	--	93.38	--
MW-17A	1/19/2015	98.54	5.32	NP	--	93.22	--
MW-17A	1/26/2015	98.54	4.89	NP	--	93.65	--
MW-17A	2/2/2015	98.54	5.40	NP	--	93.14	--
MW-17A	2/9/2015	98.54	4.92	NP	--	93.62	--
MW-17A	2/16/2015	98.54	4.97	NP	--	93.57	--
MW-17A	2/23/2015	98.54	5.48	NP	--	93.06	--
MW-17A	3/2/2015	98.54	5.47	NP	--	93.07	--
MW-17A	3/9/2015	98.54	5.87	NP	--	92.67	--
MW-17A	3/16/2015	98.54	5.90	NP	--	92.64	--
MW-17A	3/23/2015	98.54	5.43	NP	--	93.11	--
MW-17A	3/30/2015	98.54	5.40	NP	--	93.14	--
MW-17A	4/6/2015	98.54	5.84	NP	--	92.70	--
MW-17A	4/22/2015	98.54	6.54	NP	--	92.00	--
MW-17A	5/4/2015	98.54	6.77	NP	--	91.77	--
MW-17A	5/18/2015	98.54	7.10	NP	--	91.44	--
MW-17A	6/1/2015	98.54	7.58	NP	--	90.96	--
MW-17A	6/15/2015	98.54	7.86	NP	--	90.68	--
MW-17A	6/19/2015	98.54	7.93	NP	--	90.61	--
MW-17A	6/29/2015	98.54	8.30	NP	--	90.24	--
MW-17A	7/13/2015	98.54	8.44	NP	--	90.10	--
MW-17A	8/24/2015	98.54	--	--	--	--	NG
MW-17A	9/8/2015	98.54	--	--	--	--	NG
MW-17A	9/21/2015	98.54	--	--	--	--	Dry
MW-17A	10/5/2015	98.54	--	--	--	--	Dry
MW-17A	10/12/2015	98.54	--	--	--	--	Dry
MW-17A	10/19/2015	98.54	--	--	--	--	Dry
MW-17A	11/2/2015	98.54	--	--	--	--	Dry
MW-17A	11/16/2015	98.54	8.64	NP	--	89.90	--
MW-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

TABLE 2
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-18	11/8/2014	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	--
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-19	12/17/2013	97.69	4.56	NP	--	93.13	--

TABLE 2
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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-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	--
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	--

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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-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-20	12/17/2013	97.94	7.69	NP	--	90.25	--
MW-20	6/24/2014	97.94	5.40	NP	--	92.54	--
MW-20	11/6/2014	97.94	4.38	NP	--	93.56	--
MW-20	11/7/2014	97.94	4.30	NP	--	93.64	--
MW-20	11/8/2014	97.94	4.90	NP	--	93.04	--
MW-20	11/8/2014	97.94	5.00	NP	--	92.94	--
MW-20	11/9/2014	97.94	4.31	NP	--	93.63	--
MW-20	11/10/2014	97.94	4.35	NP	--	93.59	--
MW-20	11/10/2014	97.94	4.36	NP	--	93.58	--
MW-20	11/10/2014	97.94	4.35	NP	--	93.59	--
MW-20	11/10/2014	97.94	4.36	NP	--	93.58	--
MW-20	11/10/2014	97.94	4.42	NP	--	93.52	--
MW-20	11/11/2014	97.94	4.43	NP	--	93.51	--
MW-20	11/11/2014	97.94	4.48	NP	--	93.46	--
MW-20	11/12/2014	97.94	4.49	NP	--	93.45	--
MW-20	11/13/2014	97.94	4.52	NP	--	93.42	--
MW-20	11/14/2014	97.94	4.76	NP	--	93.18	--
MW-20	11/17/2014	97.94	4.86	NP	--	93.08	--
MW-20	11/18/2014	97.94	4.90	NP	--	93.04	--
MW-20	11/19/2014	97.94	4.97	NP	--	92.97	--
MW-20	12/1/2014	96.66	4.03	NP	--	92.63	--
MW-20	12/8/2014	96.66	4.20	NP	--	92.46	--
MW-20	12/15/2014	96.66	3.72	NP	--	92.94	--
MW-20	12/22/2014	96.66	3.62	NP	--	93.04	--
MW-20	12/29/2014	96.66	3.32	NP	--	93.34	--
MW-20	1/5/2015	96.66	2.28	NP	--	94.38	--
MW-20	1/12/2015	96.66	4.27	NP	--	92.39	--
MW-20	1/19/2015	96.66	3.06	NP	--	93.60	--
MW-20	1/26/2015	96.66	2.94	NP	--	93.72	--
MW-20	2/2/2015	96.66	3.67	NP	--	92.99	--
MW-20	2/9/2015	96.66	2.93	NP	--	93.73	--
MW-20	2/16/2015	96.66	3.22	NP	--	93.44	--
MW-20	2/23/2015	96.66	3.71	NP	--	92.95	--
MW-20	3/2/2015	96.66	3.61	NP	--	93.05	--
MW-20	3/9/2015	96.66	4.18	NP	--	92.48	--
MW-20	3/16/2015	96.66	3.59	NP	--	93.07	--
MW-20	3/23/2015	96.66	3.44	NP	--	93.22	--
MW-20	3/30/2015	96.66	3.59	NP	--	93.07	--
MW-20	4/6/2015	96.66	4.11	NP	--	92.55	--
MW-20	4/22/2015	96.66	4.91	NP	--	91.75	--
MW-20	5/4/2015	96.66	5.08	NP	--	91.58	--
MW-20	5/18/2015	96.66	5.41	NP	--	91.25	--
MW-20	6/1/2015	96.66	6.85	NP	--	89.81	--
MW-20	6/15/2015	96.66	6.11	NP	--	90.55	--
MW-20	6/19/2015	96.66	6.25	NP	--	90.41	--
MW-20	6/29/2015	96.66	6.51	NP	--	90.15	--
MW-20	7/13/2015	96.66	6.82	NP	--	89.84	--
MW-20	7/28/2015	96.66	7.85	NP	--	88.81	--
MW-20	8/10/2015	96.66	8.24	NP	--	88.42	--
MW-20	8/24/2015	96.66	8.61	NP	--	88.05	--
MW-20	9/8/2015	96.66	8.31	NP	--	88.35	--

TABLE 2
Summary of 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	9/21/2015	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-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	--
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	--

TABLE 2
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 Allen Pump Station
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 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	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-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	--
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	--

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 Allen Pump Station
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 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	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-23	12/17/2013	95.62	3.14	NP	--	92.48	--
MW-23	6/24/2014	95.62	3.61	NP	--	92.01	--
MW-23	11/7/2014	95.62	--	--	--	--	NG
MW-23	11/8/2014	95.62	--	--	--	--	NG
MW-23	11/9/2014	95.62	1.22	NP	--	94.40	--
MW-23	11/10/2014	95.62	1.50	NP	--	94.12	--
MW-23	11/12/2014	95.62	1.78	NP	--	93.84	--
MW-23	11/18/2014	95.62	2.49	NP	--	93.13	--
MW-23	11/19/2014	95.62	2.51	NP	--	93.11	--
MW-23	12/1/2014	94.20	1.40	NP	--	92.80	--
MW-23	12/8/2014	94.20	1.40	NP	--	92.80	--
MW-23	12/15/2014	94.20	1.14	NP	--	93.06	--
MW-23	12/22/2014	94.20	1.13	NP	--	93.07	--
MW-23	12/29/2014	94.20	0.97	NP	--	93.23	--
MW-23	1/5/2015	94.20	0.50	NP	--	93.70	--
MW-23	1/12/2015	94.20	0.90	NP	--	93.30	--
MW-23	1/19/2015	94.20	0.80	NP	--	93.40	--
MW-23	1/26/2015	94.20	0.74	NP	--	93.46	--
MW-23	2/2/2015	94.20	1.24	NP	--	92.96	--
MW-23	2/9/2015	94.20	0.90	NP	--	93.30	--
MW-23	2/16/2015	94.20	0.90	NP	--	93.30	--
MW-23	2/23/2015	94.20	1.41	NP	--	92.79	--
MW-23	3/2/2015	94.20	1.33	NP	--	92.87	--
MW-23	3/9/2015	94.20	1.85	NP	--	92.35	--
MW-23	3/16/2015	94.20	1.05	NP	--	93.15	--
MW-23	3/23/2015	94.20	1.00	NP	--	93.20	--
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

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 Allen Pump Station
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-23	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-24	11/17/2014	--	4.89	NP	--	--	--
MW-24	11/18/2014	--	6.55	NP	--	--	--
MW-24	11/19/2014	--	6.55	NP	--	--	--
MW-24	12/1/2014	96.50	3.75	NP	--	92.75	--
MW-24	12/8/2014	96.50	3.84	NP	--	92.66	--
MW-24	12/15/2014	96.50	2.27	NP	--	94.23	--
MW-24	12/22/2014	96.50	3.43	NP	--	93.07	--
MW-24	12/29/2014	96.50	3.14	NP	--	93.36	--
MW-24	1/5/2015	96.50	2.58	NP	--	93.92	--
MW-24	1/12/2015	96.50	2.80	NP	--	93.70	--
MW-24	1/14/2015	96.50	2.80	NP	--	93.70	--
MW-24	1/19/2015	96.50	3.22	NP	--	93.28	--
MW-24	1/26/2015	96.50	3.17	NP	--	93.33	--
MW-24	2/2/2015	96.50	3.40	NP	--	93.10	--
MW-24	2/9/2015	96.50	3.47	NP	--	93.03	--
MW-24	2/16/2015	96.50	3.36	NP	--	93.14	--
MW-24	2/23/2015	96.50	3.50	NP	--	93.00	--
MW-24	3/2/2015	96.50	3.74	NP	--	92.76	--
MW-24	3/9/2015	96.50	3.89	NP	--	92.61	--
MW-24	3/16/2015	96.50	3.66	NP	--	92.84	--
MW-24	3/23/2015	96.50	3.80	NP	--	92.70	--
MW-24	3/30/2015	96.50	3.83	NP	--	92.67	--
MW-24	4/6/2015	96.50	4.25	NP	--	92.25	--
MW-24	4/22/2015	96.50	5.10	NP	--	91.40	--
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-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	--

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 Allen Pump Station
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-25	1/12/2015	97.35	4.33	NP	--	93.02	--
MW-25	1/13/2015	97.35	4.33	NP	--	93.02	--
MW-25	1/19/2015	97.35	4.23	NP	--	93.12	--
MW-25	1/26/2015	97.35	4.03	NP	--	93.32	--
MW-25	2/2/2015	97.35	4.38	NP	--	92.97	--
MW-25	2/9/2015	97.35	4.07	NP	--	93.28	--
MW-25	2/16/2015	97.35	4.06	NP	--	93.29	--
MW-25	2/23/2015	97.35	4.47	NP	--	92.88	--
MW-25	3/2/2015	97.35	4.56	NP	--	92.79	--
MW-25	3/9/2015	97.35	5.94	NP	--	91.41	--
MW-25	3/16/2015	97.35	4.90	NP	--	92.45	--
MW-25	3/23/2015	97.35	4.71	NP	--	92.64	--
MW-25	3/30/2015	97.35	4.68	NP	--	92.67	--
MW-25	4/6/2015	97.35	5.09	NP	--	92.26	--
MW-25	4/22/2015	97.35	5.63	NP	--	91.72	--
MW-25	5/4/2015	97.35	5.82	NP	--	91.53	--
MW-25	5/18/2015	97.35	6.14	NP	--	91.21	--
MW-25	6/1/2015	97.35	6.46	NP	--	90.89	--
MW-25	6/15/2015	97.35	6.85	NP	--	90.50	--
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-27	11/17/2014	--	7.00	NP	--	--	--
MW-27	11/18/2014	--	7.14	NP	--	--	--
MW-27	11/19/2014	--	7.14	NP	--	--	--
MW-27	12/1/2014	96.56	3.43	NP	--	93.13	--
MW-27	12/8/2014	96.56	3.53	NP	--	93.03	--
MW-27	12/15/2014	96.56	3.21	NP	--	93.35	--
MW-27	12/22/2014	96.56	3.16	NP	--	93.40	--
MW-27	12/29/2014	96.56	3.07	NP	--	93.49	--
MW-27	1/5/2015	96.56	2.69	NP	--	93.87	--
MW-27	1/12/2015	96.56	2.74	NP	--	93.82	--
MW-27	1/13/2015	96.56	2.74	NP	--	93.82	--
MW-27	1/19/2015	96.56	2.80	NP	--	93.76	--
MW-27	1/26/2015	96.56	2.47	NP	--	94.09	--
MW-27	2/2/2015	96.56	2.88	NP	--	93.68	--
MW-27	2/9/2015	96.56	2.78	NP	--	93.78	--
MW-27	2/16/2015	96.56	2.70	NP	--	93.86	--
MW-27	2/23/2015	96.56	2.80	NP	--	93.76	--
MW-27	3/2/2015	96.56	3.00	NP	--	93.56	--
MW-27	3/9/2015	96.56	3.11	NP	--	93.45	--
MW-27	3/16/2015	96.56	3.20	NP	--	93.36	--
MW-27	3/23/2015	96.56	3.13	NP	--	93.43	--
MW-27	3/30/2015	96.56	3.14	NP	--	93.42	--

TABLE 2
Summary of 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	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-28	11/17/2014	--	7.71	NP	--	--	--
MW-28	11/18/2014	--	8.10	NP	--	--	--
MW-28	11/19/2014	--	8.03	NP	--	--	--
MW-28	12/1/2014	96.77	5.05	NP	--	91.72	--
MW-28	12/8/2014	96.77	5.14	NP	--	91.63	--
MW-28	12/15/2014	96.77	4.62	NP	--	92.15	--
MW-28	12/22/2014	96.77	4.70	NP	--	92.07	--
MW-28	12/29/2014	96.77	4.29	NP	--	92.48	--
MW-28	1/5/2015	96.77	3.18	NP	--	93.59	--
MW-28	1/12/2015	96.77	4.02	NP	--	92.75	--
MW-28	1/13/2015	96.77	4.02	NP	--	92.75	--
MW-28	1/19/2015	96.77	4.00	NP	--	92.77	--
MW-28	1/26/2015	96.77	3.91	NP	--	92.86	--
MW-28	2/2/2015	96.77	4.54	NP	--	92.23	--
MW-28	2/9/2015	96.77	3.76	NP	--	93.01	--
MW-28	2/16/2015	96.77	3.96	NP	--	92.81	--
MW-28	3/2/2015	96.77	4.51	NP	--	92.26	--
MW-28	3/9/2015	96.77	4.97	NP	--	91.80	--
MW-28	3/16/2015	96.77	4.60	NP	--	92.17	--
MW-28	3/23/2015	96.77	4.40	NP	--	92.37	--
MW-28	3/30/2015	96.77	4.48	NP	--	92.29	--
MW-28	4/6/2015	96.77	5.00	NP	--	91.77	--
MW-28	4/22/2015	96.77	5.79	NP	--	90.98	--
MW-28	5/4/2015	96.77	6.24	NP	--	90.53	--
MW-28	5/18/2015	96.77	6.65	NP	--	90.12	--
MW-28	6/1/2015	96.77	7.10	NP	--	89.67	--
MW-28	6/15/2015	96.77	7.37	NP	--	89.40	--
MW-28	6/19/2015	96.77	7.38	NP	--	89.39	--
MW-28	7/13/2015	96.77	8.14	NP	--	88.63	--
MW-28	7/28/2015	96.77	8.34	NP	--	88.43	--
MW-28	8/10/2015	96.77	8.69	NP	--	88.08	--
MW-28	8/24/2015	96.77	3.88	NP	--	92.89	--
MW-28	9/8/2015	96.77	8.36	NP	--	88.41	--
MW-28	9/21/2015	96.77	8.31	NP	--	88.46	--
MW-28	10/5/2015	96.77	8.51	NP	--	88.26	--

TABLE 2
Summary of Groundwater Gauging Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-28	10/12/2015	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-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	--
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-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	--

TABLE 2
Summary of 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	2/9/2015	96.53	1.75	NP	--	94.78	--
MW-31	2/16/2015	96.53	1.85	NP	--	94.68	--
MW-31	2/23/2015	96.53	2.40	NP	--	94.13	--
MW-31	3/2/2015	96.53	2.39	NP	--	94.14	--
MW-31	3/9/2015	96.53	2.90	NP	--	93.63	--
MW-31	3/16/2015	96.53	2.20	NP	--	94.33	--
MW-31	3/23/2015	96.53	1.97	NP	--	94.56	--
MW-31	3/30/2015	96.53	2.19	NP	--	94.34	--
MW-31	4/6/2015	96.53	2.93	NP	--	93.60	--
MW-31	4/22/2015	96.53	4.21	NP	--	92.32	--
MW-31	5/4/2015	96.53	4.33	NP	--	92.20	--
MW-31	5/18/2015	96.53	4.89	NP	--	91.64	--
MW-31	6/1/2015	96.53	5.57	NP	--	90.96	--
MW-31	6/15/2015	96.53	5.99	NP	--	90.54	--
MW-31	6/19/2015	96.53	6.15	NP	--	90.38	--
MW-31	6/29/2015	96.53	6.42	NP	--	90.11	--
MW-31	7/13/2015	96.53	6.77	NP	--	89.76	--
MW-31	7/28/2015	96.53	7.08	NP	--	89.45	--
MW-31	8/10/2015	96.53	7.34	NP	--	89.19	--
MW-31	8/24/2015	96.53	7.60	NP	--	88.93	--
MW-31	9/8/2015	96.53	7.05	NP	--	89.48	--
MW-31	9/21/2015	96.53	6.93	NP	--	89.60	--
MW-31	10/5/2015	96.53	--	--	--	--	NG
MW-31	10/12/2015	96.53	7.13	NP	--	89.40	--
MW-31	10/19/2015	96.53	7.26	NP	--	89.27	--
MW-31	11/2/2015	96.53	6.97	NP	--	89.56	--
MW-31	11/16/2015	96.53	4.61	NP	--	91.92	--
MW-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	--

TABLE 2
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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-32	6/15/2015	97.17	6.96	NP	--	90.21	--
MW-32	6/19/2015	97.17	7.04	NP	--	90.13	--
MW-32	6/29/2015	97.17	7.36	NP	--	89.81	--
MW-32	7/13/2015	97.17	7.82	NP	--	89.35	--
MW-32	7/28/2015	97.17	8.20	NP	--	88.97	--
MW-32	8/10/2015	97.17	8.51	NP	--	88.66	--
MW-32	8/24/2015	97.17	8.77	NP	--	88.40	--
MW-32	9/8/2015	97.17	8.28	NP	--	88.89	--
MW-32	9/21/2015	97.17	8.31	NP	--	88.86	--
MW-32	10/5/2015	97.17	8.48	NP	--	88.69	--
MW-32	10/12/2015	97.17	--	--	--	--	NG
MW-32	10/19/2015	97.17	--	--	--	--	NG
MW-32	11/2/2015	97.17	--	--	--	--	NG
MW-32	11/16/2015	97.17	--	--	--	--	WI
MW-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	--
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	--

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 Allen Pump Station
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-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-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
MW-36	12/22/2014	96.35	2.11	NP	--	94.24	--
MW-36	12/29/2014	96.35	1.78	NP	--	94.57	--
MW-36	1/5/2015	96.35	0.74	NP	--	95.61	--
MW-36	1/12/2015	96.35	1.81	NP	--	94.54	--
MW-36	1/19/2015	96.35	1.68	NP	--	94.67	--
MW-36	1/26/2015	96.35	1.52	NP	--	94.83	--
MW-36	2/2/2015	96.35	2.18	NP	--	94.17	--
MW-36	2/9/2015	96.35	1.42	NP	--	94.93	--
MW-36	2/16/2015	96.35	1.81	NP	--	94.54	--
MW-36	2/23/2015	96.35	2.35	NP	--	94.00	--
MW-36	3/2/2015	96.35	2.24	NP	--	94.11	--
MW-36	3/9/2015	96.35	2.88	NP	--	93.47	--
MW-36	3/16/2015	96.35	2.19	NP	--	94.16	--
MW-36	3/23/2015	96.35	1.85	NP	--	94.50	--
MW-36	3/30/2015	96.35	2.04	NP	--	94.31	--

TABLE 2
Summary of 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	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-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	--
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	--

TABLE 2
Summary of 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	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-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	--
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-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	--

TABLE 2
Summary of 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	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	--
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-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	--

TABLE 2
Summary of 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	4/6/2015	97.98	5.46	NP	--	92.52	--
MW-40	4/22/2015	97.98	6.08	NP	--	91.90	--
MW-40	5/4/2015	97.98	6.31	NP	--	91.67	--
MW-40	5/18/2015	97.98	6.60	NP	--	91.38	--
MW-40	6/1/2015	97.98	6.98	NP	--	91.00	--
MW-40	6/15/2015	97.98	7.22	NP	--	90.76	--
MW-40	6/19/2015	97.98	7.30	NP	--	90.68	--
MW-40	6/29/2015	97.98	7.50	NP	--	90.48	--
MW-40	7/13/2015	97.98	7.72	NP	--	90.26	--
MW-40	7/28/2015	97.98	7.96	NP	--	90.02	--
MW-40	8/10/2015	97.98	8.22	NP	--	89.76	--
MW-40	8/24/2015	97.98	8.43	NP	--	89.55	--
MW-40	9/8/2015	97.98	8.57	NP	--	89.41	--
MW-40	9/21/2015	97.98	8.60	NP	--	89.38	--
MW-40	10/5/2015	97.98	8.66	NP	--	89.32	--
MW-40	10/12/2015	97.98	8.71	NP	--	89.27	--
MW-40	10/19/2015	97.98	8.76	NP	--	89.22	--
MW-40	11/2/2015	97.98	8.67	NP	--	89.31	--
MW-40	11/16/2015	97.98	7.51	NP	--	90.47	--
MW-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	--
MW-41	10/5/2015	98.28	9.44	NP	--	88.84	--

TABLE 2
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 Allen Pump Station
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-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-42	11/18/2014	--	5.74	NP	--	--	--
MW-42	11/19/2014	--	5.53	NP	--	--	--
MW-42	12/1/2014	97.88	3.57	NP	--	94.31	--
MW-42	12/8/2014	97.88	3.64	NP	--	94.24	--
MW-42	12/15/2014	97.88	3.18	NP	--	94.70	--
MW-42	12/22/2014	97.88	3.16	NP	--	94.72	--
MW-42	12/29/2014	97.88	2.93	NP	--	94.95	--
MW-42	1/5/2015	97.88	2.16	NP	--	95.72	--
MW-42	1/12/2015	97.88	3.02	NP	--	94.86	--
MW-42	1/19/2015	97.88	2.66	NP	--	95.22	--
MW-42	1/26/2015	97.88	2.72	NP	--	95.16	--
MW-42	2/2/2015	97.88	3.28	NP	--	94.60	--
MW-42	2/9/2015	97.88	2.66	NP	--	95.22	--
MW-42	2/16/2015	97.88	2.96	NP	--	94.92	--
MW-42	2/23/2015	97.88	3.43	NP	--	94.45	--
MW-42	3/2/2015	97.88	3.29	NP	--	94.59	--
MW-42	3/9/2015	97.88	4.04	NP	--	93.84	--
MW-42	3/16/2015	97.88	2.91	NP	--	94.97	--
MW-42	3/23/2015	97.88	3.03	NP	--	94.85	--
MW-42	3/30/2015	97.88	3.30	NP	--	94.58	--
MW-42	4/6/2015	97.88	4.22	NP	--	93.66	--
MW-42	4/22/2015	97.88	5.57	NP	--	92.31	--
MW-42	5/4/2015	97.88	5.85	NP	--	92.03	--
MW-42	5/18/2015	97.88	6.35	NP	--	91.53	--
MW-42	6/1/2015	97.88	7.08	NP	--	90.80	--
MW-42	6/15/2015	97.88	7.54	NP	--	90.34	--
MW-42	6/19/2015	97.88	7.72	NP	--	90.16	--
MW-42	6/29/2015	97.88	8.00	NP	--	89.88	--
MW-42	7/13/2015	97.88	8.31	NP	--	89.57	--
MW-42	7/28/2015	97.88	8.69	NP	--	89.19	--
MW-42	8/10/2015	97.88	8.98	NP	--	88.90	--
MW-42	8/24/2015	97.88	9.23	NP	--	88.65	--
MW-42	9/8/2015	97.88	8.60	NP	--	89.28	--
MW-42	9/21/2015	97.88	8.55	NP	--	89.33	--
MW-42	10/5/2015	97.88	8.72	NP	--	89.16	--
MW-42	10/12/2015	97.88	8.47	NP	--	89.41	--
MW-42	10/19/2015	97.88	8.97	NP	--	88.91	--
MW-42	11/2/2015	97.88	7.99	NP	--	89.89	--
MW-42	11/16/2015	97.88	4.82	NP	--	93.06	--
MW-43	11/18/2014	--	4.67	NP	--	--	--
MW-43	11/19/2014	--	4.79	NP	--	--	--
MW-43	12/1/2014	97.11	2.92	NP	--	94.19	--
MW-43	12/8/2014	97.11	3.06	NP	--	94.05	--
MW-43	12/15/2014	97.11	2.68	NP	--	94.43	--
MW-43	12/22/2014	97.11	2.71	NP	--	94.40	--
MW-43	12/29/2014	97.11	2.56	NP	--	94.55	--
MW-43	1/5/2015	97.11	1.95	NP	--	95.16	--
MW-43	1/12/2015	97.11	2.65	NP	--	94.46	--
MW-43	1/19/2015	97.11	2.31	NP	--	94.80	--

TABLE 2
Summary of 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	1/26/2015	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-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	--
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	--

TABLE 2
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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-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-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	--
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	--

TABLE 2
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 Allen Pump Station
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-45	11/16/2015	97.23	7.56	NP	--	89.67	--
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	--
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-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	--

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 Allen Pump Station
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-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
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-49	12/22/2014	98.11	6.41	NP	--	91.70	--
MW-49	12/29/2014	98.11	5.92	NP	--	92.19	--
MW-49	1/5/2015	98.11	5.26	NP	--	92.85	--
MW-49	1/12/2015	98.11	5.10	NP	--	93.01	--
MW-49	1/13/2015	98.11	5.10	NP	--	93.01	--
MW-49	1/19/2015	98.11	5.03	NP	--	93.08	--
MW-49	1/26/2015	98.11	4.82	NP	--	93.29	--
MW-49	2/2/2015	98.11	5.18	NP	--	92.93	--
MW-49	2/9/2015	98.11	4.89	NP	--	93.22	--
MW-49	2/16/2015	98.11	4.88	NP	--	93.23	--
MW-49	2/23/2015	98.11	5.26	NP	--	92.85	--
MW-49	3/2/2015	98.11	5.39	NP	--	92.72	--
MW-49	3/9/2015	98.11	5.70	NP	--	92.41	--
MW-49	3/16/2015	98.11	5.70	NP	--	92.41	--
MW-49	3/23/2015	98.11	5.53	NP	--	92.58	--
MW-49	3/30/2015	98.11	5.53	NP	--	92.58	--
MW-49	4/6/2015	98.11	5.87	NP	--	92.24	--
MW-49	4/22/2015	98.11	6.40	NP	--	91.71	--
MW-49	5/4/2015	98.11	6.62	NP	--	91.49	--
MW-49	5/18/2015	98.11	6.90	NP	--	91.21	--
MW-49	6/1/2015	98.11	7.23	NP	--	90.88	--
MW-49	6/15/2015	98.11	7.47	NP	--	90.64	--
MW-49	6/19/2015	98.11	7.55	NP	--	90.56	--
MW-49	6/29/2015	98.11	7.77	NP	--	90.34	--
MW-49	7/13/2015	98.11	8.01	NP	--	90.10	--
MW-49	7/28/2015	98.11	8.29	NP	--	89.82	--
MW-49	8/10/2015	98.11	8.56	NP	--	89.55	--
MW-49	8/24/2015	98.11	8.82	NP	--	89.29	--
MW-49	9/8/2015	98.11	8.94	NP	--	89.17	--
MW-49	9/21/2015	98.11	9.00	NP	--	89.11	--
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	--

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 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	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	--
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-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	--

TABLE 2
Summary of 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	6/1/2015	96.86	6.31	NP	--	90.55	--
MW-51	6/15/2015	96.86	6.74	NP	--	90.12	--
MW-51	6/19/2015	96.86	6.89	NP	--	89.97	--
MW-51	6/29/2015	96.86	7.25	NP	--	89.61	--
MW-51	7/13/2015	96.86	7.66	NP	--	89.20	--
MW-51	7/28/2015	96.86	8.05	NP	--	88.81	--
MW-51	8/10/2015	96.86	8.38	NP	--	88.48	--
MW-51	8/24/2015	96.86	8.76	NP	--	88.10	--
MW-51	9/8/2015	96.86	8.46	NP	--	88.40	--
MW-51	9/21/2015	96.86	8.40	NP	--	88.46	--
MW-51	10/5/2015	96.86	8.47	NP	--	88.39	--
MW-51	10/12/2015	96.86	8.43	NP	--	88.43	--
MW-51	10/19/2015	96.86	8.40	NP	--	88.46	--
MW-51	11/2/2015	96.86	8.00	NP	--	88.86	--
MW-51	11/16/2015	96.86	6.08	NP	--	90.78	--
MW-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	--
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-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

TABLE 2
Summary of 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	1/12/2015	96.45	1.94	NP	--	94.51	--
MW-53	1/19/2015	96.45	2.00	NP	--	94.45	--
MW-53	1/26/2015	96.45	1.87	NP	--	94.58	--
MW-53	2/2/2015	96.45	2.10	NP	--	94.35	--
MW-53	2/9/2015	96.45	2.08	NP	--	94.37	--
MW-53	2/16/2015	96.45	1.88	NP	--	94.57	--
MW-53	2/23/2015	96.45	2.33	NP	--	94.12	--
MW-53	3/2/2015	96.45	2.51	NP	--	93.94	--
MW-53	3/9/2015	96.45	2.80	NP	--	93.65	--
MW-53	3/16/2015	96.45	2.51	NP	--	93.94	--
MW-53	3/23/2015	96.45	2.10	NP	--	94.35	--
MW-53	3/30/2015	96.45	2.21	NP	--	94.24	--
MW-53	4/6/2015	96.45	2.77	NP	--	93.68	--
MW-53	4/22/2015	96.45	3.73	NP	--	92.72	--
MW-53	5/4/2015	96.45	4.18	NP	--	92.27	--
MW-53	5/18/2015	96.45	4.36	NP	--	92.09	--
MW-53	6/1/2015	96.45	5.12	NP	--	91.33	--
MW-53	6/15/2015	96.45	5.68	NP	--	90.77	--
MW-53	6/19/2015	96.45	5.81	NP	--	90.64	--
MW-53	6/29/2015	96.45	6.20	NP	--	90.25	--
MW-53	7/13/2015	96.45	6.58	NP	--	89.87	--
MW-53	7/28/2015	96.45	6.82	NP	--	89.63	--
MW-53	8/10/2015	96.45	7.08	NP	--	89.37	--
MW-53	8/24/2015	96.45	7.30	NP	--	89.15	--
MW-53	9/8/2015	96.45	6.95	NP	--	89.50	--
MW-53	9/21/2015	96.45	6.72	NP	--	89.73	--
MW-53	10/5/2015	96.45	6.81	NP	--	89.64	--
MW-53	10/12/2015	96.45	6.85	NP	--	89.60	--
MW-53	10/19/2015	96.45	6.93	NP	--	89.52	--
MW-53	11/2/2015	96.45	6.64	NP	--	89.81	--
MW-53	11/16/2015	96.45	4.30	NP	--	92.15	--
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	--
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	--

TABLE 2
Summary of Groundwater Gauging Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-54	2/26/2007	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	--	--	--	--	Dry
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	--
MW-54	11/10/2014	101.75	7.92	NP	--	93.83	--
MW-54	11/10/2014	101.75	8.31	NP	--	93.44	--
MW-54	11/10/2014	101.75	8.42	NP	--	93.33	--
MW-54	11/11/2014	101.75	7.43	NP	--	94.32	--
MW-54	11/11/2014	101.75	7.57	NP	--	94.18	--
MW-54	11/12/2014	101.75	7.45	NP	--	94.30	--
MW-54	11/13/2014	101.75	7.48	NP	--	94.27	--
MW-54	11/14/2014	101.75	7.55	NP	--	94.20	--
MW-54	11/17/2014	101.75	7.70	NP	--	94.05	--
MW-54	11/18/2014	101.75	7.74	NP	--	94.01	--
MW-54	11/19/2014	101.75	7.75	NP	--	94.00	--
MW-54	12/1/2014	99.20	6.59	NP	--	92.61	--
MW-54	12/8/2014	99.20	6.62	NP	--	92.58	--
MW-54	12/15/2014	99.20	6.08	NP	--	93.12	--
MW-54	12/22/2014	99.20	6.04	NP	--	93.16	--
MW-54	12/29/2014	99.20	5.40	NP	--	93.80	--
MW-54	1/5/2015	99.20	4.50	NP	--	94.70	--
MW-54	1/12/2015	99.20	4.96	NP	--	94.24	--
MW-54	1/13/2015	99.20	4.96	NP	--	94.24	--
MW-54	1/19/2015	99.20	5.07	NP	--	94.13	--
MW-54	1/26/2015	99.20	4.67	NP	--	94.53	--
MW-54	2/2/2015	99.20	5.47	NP	--	93.73	--
MW-54	2/9/2015	99.20	4.80	NP	--	94.40	--
MW-54	2/16/2015	99.20	4.95	NP	--	94.25	--
MW-54	2/23/2015	99.20	5.47	NP	--	93.73	--
MW-54	3/2/2015	99.20	5.62	NP	--	93.58	--
MW-54	3/9/2015	99.20	6.12	NP	--	93.08	--
MW-54	3/16/2015	99.20	6.12	NP	--	93.08	--
MW-54	3/23/2015	99.20	5.65	NP	--	93.55	--

TABLE 2
Summary of 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-54	3/30/2015	99.20	5.76	NP	--	93.44	--
MW-54	4/6/2015	99.20	6.28	NP	--	92.92	--
MW-54	4/22/2015	99.20	7.17	NP	--	92.03	--
MW-54	5/4/2015	99.20	6.47	NP	--	92.73	--
MW-54	5/18/2015	99.20	7.96	NP	--	91.24	--
MW-54	6/1/2015	99.20	8.48	NP	--	90.72	--
MW-54	6/15/2015	99.20	8.91	NP	--	90.29	--
MW-54	6/19/2015	99.20	9.04	NP	--	90.16	--
MW-54	6/29/2015	99.20	9.38	NP	--	89.82	--
MW-54	7/13/2015	99.20	--	--	--	--	Dry
MW-54	7/28/2015	99.20	--	--	--	--	Dry
MW-54	8/10/2015	99.20	--	--	--	--	Dry
MW-54	8/24/2015	99.20	--	--	--	--	Dry
MW-54	9/8/2015	99.20	--	--	--	--	Dry
MW-54	9/21/2015	99.20	--	--	--	--	Dry
MW-54	10/5/2015	99.20	--	--	--	--	Dry
MW-54	10/12/2015	99.20	--	--	--	--	Dry
MW-54	10/19/2015	99.20	--	--	--	--	Dry
MW-54	11/2/2015	99.20	--	--	--	--	Dry
MW-54	11/16/2015	99.20	8.99	NP	--	90.21	--
MW-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-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-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-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-59	10/5/2015	--	--	--	--	--	NG
MW-59	10/12/2015	--	--	--	--	--	NG
MW-59	10/19/2015	--	5.83	NP	--	--	--
MW-59	11/2/2015	93.52	5.33	NP	--	88.19	--
MW-59	11/16/2015	93.52	--	--	--	--	NG
MW-60	10/5/2015	--	--	--	--	--	NG
MW-60	10/12/2015	--	5.79	NP	--	--	--
MW-60	10/19/2015	--	5.85	NP	--	--	--
MW-60	11/2/2015	94.04	5.69	NP	--	88.35	--

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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-60	11/16/2015	94.04	0.40	NP	--	93.64	--
MW-61	10/5/2015	--	--	--	--	--	NG
MW-61	10/12/2015	--	6.05	NP	--	--	--
MW-61	10/19/2015	--	6.37	NP	--	--	--
MW-61	11/2/2015	95.03	6.35	NP	--	88.68	--
MW-61	11/16/2015	95.03	4.22	NP	--	90.81	--
MW-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-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-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-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-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	--
PW-1	3/17/2010	--	6.31	NP	--	--	--
PW-1	9/15/2010	--	8.46	NP	--	--	--
PW-1	3/4/2011	--	--	--	--	--	WI
PW-1	8/24/2011	--	8.29	NP	--	--	--
PW-1	5/10/2012	--	5.15	NP	--	--	--
PW-1	11/15/2012	--	7.46	NP	--	--	--
PW-1	3/27/2013	--	5.59	NP	--	--	--
PW-1	12/17/2013	--	7.36	NP	--	--	--
PW-1	6/24/2014	--	7.25	NP	--	--	--
PW-1	11/7/2014	--	5.90	NP	--	--	--
PW-1	11/8/2014	--	6.26	NP	--	--	--
PW-1	11/8/2014	--	6.22	NP	--	--	--
PW-1	11/9/2014	--	--	--	--	--	NG
PW-1	11/10/2014	--	5.96	NP	--	--	--
PW-1	11/12/2014	--	6.14	NP	--	--	--
PW-1	11/18/2014	--	6.63	NP	--	--	--
PW-1	11/19/2014	--	6.66	NP	--	--	--

TABLE 2
Summary of Groundwater Gauging Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
PW-1	12/1/2014	--	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	--	--	--
PW-1	10/19/2015	--	9.45	NP	--	--	--
PW-1	11/2/2015	--	--	--	--	--	NG
PW-1	11/16/2015	--	--	--	--	--	NG
PW-2	3/17/2010	--	6.86	NP	--	--	--
PW-2	9/15/2010	--	8.64	NP	--	--	--
PW-2	3/4/2011	--	5.05	NP	--	--	--
PW-2	8/24/2011	--	8.54	NP	--	--	--
PW-2	5/10/2012	--	5.40	NP	--	--	--
PW-2	11/15/2012	--	8.02	NP	--	--	--
PW-2	12/17/2012	--	7.70	NP	--	--	--
PW-2	3/27/2013	--	6.04	NP	--	--	--
PW-2	6/24/2014	--	7.54	NP	--	--	--
PW-2	11/7/2014	--	6.40	NP	--	--	--
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	--	--	--

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

TABLE 2
Summary of 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	12/1/2014	--	5.09	NP	--	--	--
PW-3	12/8/2014	--	5.32	NP	--	--	--
PW-3	12/15/2014	--	--	--	--	--	NG
PW-3	12/22/2014	--	4.74	NP	--	--	--
PW-3	12/29/2014	--	4.34	NP	--	--	--
PW-3	1/5/2015	--	2.05	NP	--	--	--
PW-3	1/12/2015	--	4.49	NP	--	--	--
PW-3	1/19/2015	--	4.13	NP	--	--	--
PW-3	1/26/2015	--	4.02	NP	--	--	--
PW-3	2/2/2015	--	3.83	NP	--	--	--
PW-3	2/9/2015	--	3.97	NP	--	--	--
PW-3	2/16/2015	--	4.42	NP	--	--	--
PW-3	2/23/2015	--	4.96	NP	--	--	--
PW-3	3/2/2015	--	4.85	NP	--	--	--
PW-3	3/9/2015	--	5.49	NP	--	--	--
PW-3	3/16/2015	--	4.89	NP	--	--	--
PW-3	3/23/2015	--	4.54	NP	--	--	--
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-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	--

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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-4	11/13/2003	99.94	6.12	NP	--	93.82	--
PW-4	6/4/2004	99.94	5.57	5.39	0.18	94.51	--
PW-4	10/7/2004	99.94	6.17	6.05	0.12	93.86	--
PW-4	4/28/2005	99.94	4.31	4.21	0.10	95.70	--
PW-4	11/16/2005	99.94	5.01	4.88	0.13	95.03	--
PW-4	6/13/2006	99.94	5.55	NP	--	94.39	--
PW-4	2/26/2007	99.94	3.10	2.72	0.38	97.13	--
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	--
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	--

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

TABLE 2
Summary of 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	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	--	--	--
PW-5A	11/2/2015	--	--	--	--	--	NG
PW-5A	11/16/2015	--	--	--	--	--	NG
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	--	--	--
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	--	--	--

TABLE 2
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 Allen Pump Station
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 Mt. Vernon, WA 98421

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
PW-6	5/18/2015	--	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	--	--	--
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
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	--
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

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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-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-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	0.00	NP	--	96.97	--
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
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-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	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	0.00	NP	--	97.07	--
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
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-4	11/17/2014	--	8.90	8.70	0.20	--	--
RW-4	11/18/2014	--	9.00	8.94	0.06	--	--
RW-4	11/19/2014	--	9.02	8.95	0.07	--	--
RW-4	12/1/2014	97.22	6.32	5.68	0.64	91.38	--
RW-4	12/8/2014	97.22	6.80	5.70	1.10	91.24	--
RW-4	12/15/2014	97.22	6.25	5.22	1.03	91.74	--
RW-4	12/22/2014	97.22	6.59	5.29	1.30	91.60	--
RW-4	12/29/2014	97.22	6.23	4.81	1.42	92.06	--
RW-4	1/5/2015	97.22	3.81	3.77	0.04	93.44	--
RW-4	1/12/2015	97.22	5.62	4.57	1.05	92.39	--
RW-4	1/13/2015	97.22	5.20	4.94	0.26	92.22	--
RW-4	1/14/2015	97.22	5.16	5.02	0.14	92.17	--
RW-4	1/19/2015	97.22	5.24	4.69	0.55	92.39	--
RW-4	1/26/2015	97.22	5.35	4.54	0.81	92.48	--
RW-4	2/2/2015	97.22	5.93	5.20	0.73	91.84	--
RW-4	2/9/2015	97.22	5.08	4.57	0.51	92.52	--
RW-4	2/16/2015	97.22	5.51	4.67	0.84	92.34	--

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

TABLE 2
Summary of 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	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
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	0.00	NP	--	96.02	--
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	--
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	--

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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	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-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	--
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	--

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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	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-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	--
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
SRW-1	6/23/1992	99.19	8.00	NP	--	91.19	--
SRW-1	7/2/1992	99.19	7.85	NP	--	91.34	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	--
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	--	--	--

Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
 16292 Ovenell Road
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CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	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
MW-1	7/2/1992	< 1	< 1	< 1	< 1	--	190000	--
MW-1	10/3/2000	< 0.5	< 0.5	< 0.5	< 1	427	32400	< 5500
MW-1	2/28/2001	< 0.5	4.17	0.772	3.46	459	57600	< 5500
MW-1	5/30/2001	< 0.5	< 0.5	< 0.5	< 1	77.3	59700	< 20500
MW-1	8/22/2001	< 0.5	< 0.5	< 0.5	< 1	< 500	27700	< 5500
MW-1	11/21/2001	< 0.5	< 0.5	< 0.5	< 1	< 500	24100	< 5500
MW-1	2/20/2002	< 0.5	< 0.5	< 0.5	< 1	< 500	55300	< 10000
MW-1	5/16/2002	< 0.5	< 0.5	< 0.5	< 1	58.1	30200	< 5500
MW-1	8/2/2002	< 0.5	< 0.5	< 0.5	< 1	< 500	24500	< 5500
MW-1	12/19/2002	< 0.5	< 2	< 1	< 1.5	< 100	19500	< 500
MW-1	5/19/2003	< 0.5	< 0.5	< 0.5	< 1	122	26600	< 500
MW-1	11/13/2003	< 0.5	< 0.5	< 0.5	< 1	< 50	6180	< 500

Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	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
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-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	--

Table 3
Summary of Groundwater Analytical Data
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 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
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
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-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	--	--

Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
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CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
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-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

Table 3
Summary of Groundwater Analytical Data
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CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
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-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

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CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
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-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-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-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 UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	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-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-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-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-24	11/18/2014	4.9	4.3	34	19	1100	310	< 250
MW-24	1/14/2015	4.7	1.4	100	12	2100	1100	< 250
MW-24	4/6/2015	5.3	< 2.0	89	14	2700	770 Y	< 240
MW-24	7/14/2015	< 40	< 40	270	< 60	4200 F1	820 Y	< 250
MW-24	10/19/2015	11	< 2.0	180	5.1	3100	680	< 250

Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
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-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-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-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-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-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-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

Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
MW-35	10/20/2015	10000	2100	2800	9600	46000	2900	< 250
MW-36	1/12/2015	7300	570	2700	13000	59000	2400	< 240
MW-36	4/6/2015	5500	440	2400	9900	52000	3100 Y	< 250
MW-36	7/13/2015	5900 H	380 H	2100 H	10000 H	47000 H	3700 Y	< 250
MW-36	10/20/2015	5300	360	2700	13000	59000	2800	< 250
MW-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-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-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-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-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-42	11/19/2014	990	17	2500	5500	31000	2400	< 250

Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
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	10/20/2015	1100	17	2100	4500	27000	2400	< 250
MW-43	11/19/2014	< 1.0	5.2	370	1900	29000	1900	< 250
MW-43	1/12/2015	1.2	5.2	290	1500	33000	5700	< 240
MW-43	4/7/2015	4.2	12	410	1900	32000	4700 Y	< 240
MW-43	7/14/2015	< 40	< 40	580	2000 H	33000 H	2600 Y	< 260
MW-43	10/20/2015	31	16	790	2000	28000 H	5100 H	< 250H
MW-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-45	11/18/2014	170	74	450	270	5500	1300	< 250
MW-45	1/13/2015	9.2	3.5	510	15	9600	2400	< 250
MW-45	4/6/2015	6.6	3.7	630	13	10000	2400 Y	< 240
MW-45	7/14/2015	< 20	< 20	240	< 30	6200 H	1900 Y	< 250
MW-45	10/19/2015	27	3.5	230	24	3900	680	< 250
MW-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-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-49	1/13/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-49	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	7/13/2015	< 2.0*	< 2.0*	< 3.0	< 3.0	< 50	< 110	< 250
MW-49	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250

Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

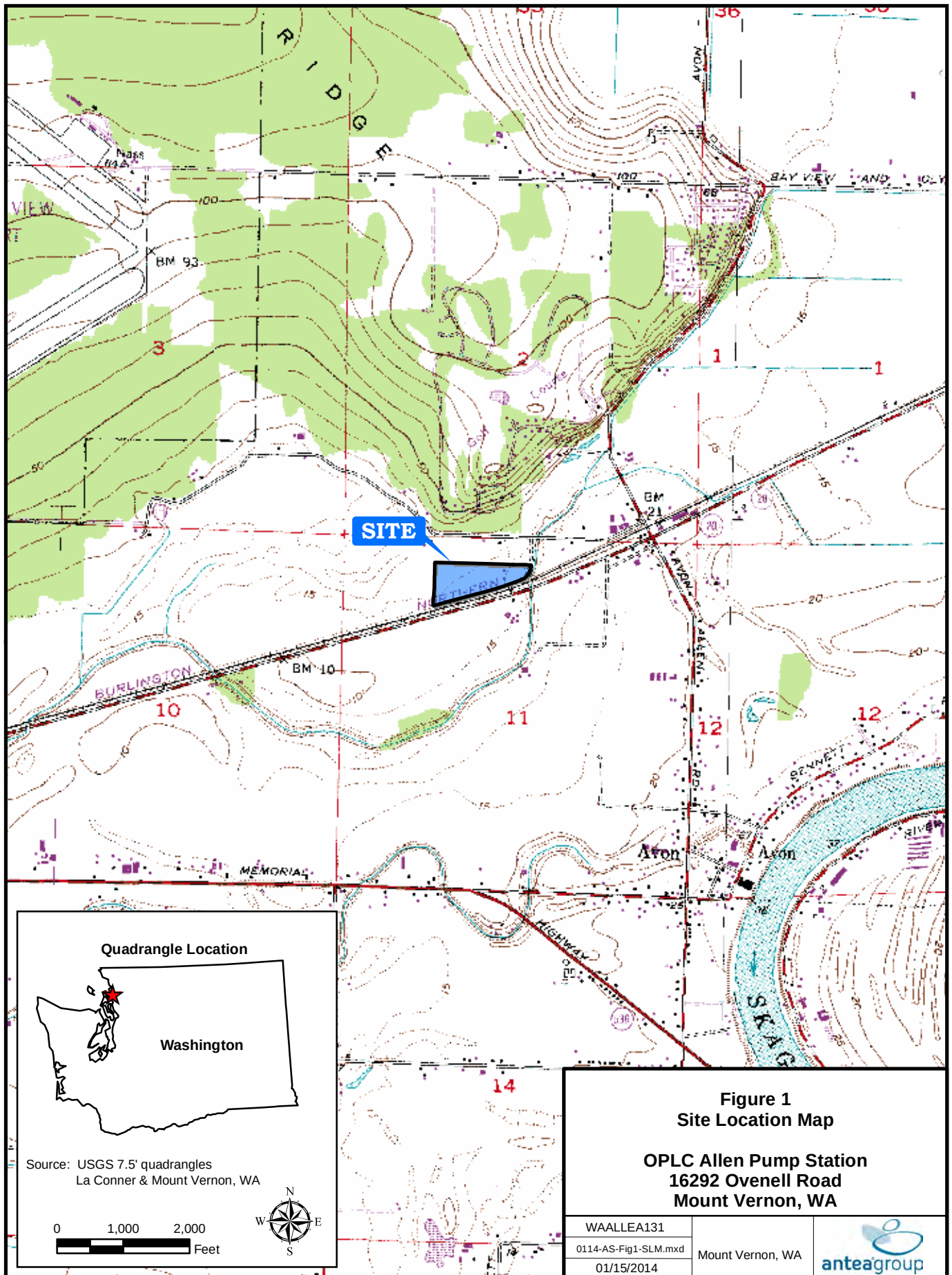
CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
MW-50	1/12/2015	< 1.0	< 1.0	< 1.0	< 3.0	< 50	< 120	< 240
MW-50	4/6/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 240
MW-50	7/13/2015	< 2.0*	< 2.0*	< 3.0	< 3.0	< 50	< 110	< 250
MW-50	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110H	< 250H
MW-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-52	1/13/2015	320	6.2	590	29	14000	2900	< 250
MW-52	4/6/2015	280	10	1600	14	14000 B	2700 Y	< 240
MW-52	7/14/2015	330	13	1600 H	40	14000 H	2800 Y	< 250
MW-52	10/19/2015	330 F1	14	1300 F1	32	13000	3400 F1	< 250
MW-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-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-55	10/19/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-56	10/20/2015	< 200	< 200	2400	9200	41000 H	3300 F1	< 250F1

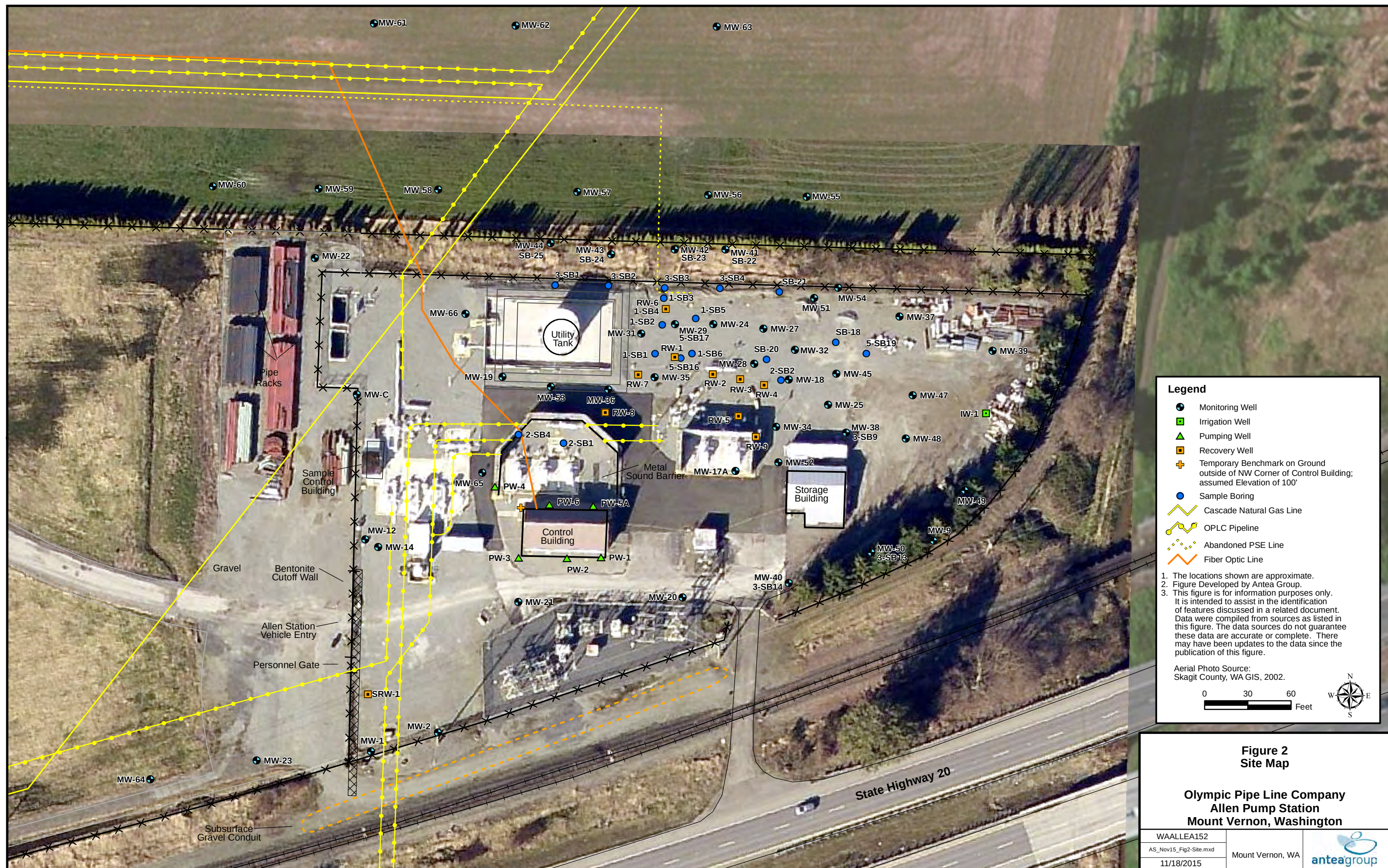
Table 3
Summary of Groundwater Analytical Data
 Allen Pump Station
 16292 Ovenell Road
 Mt. Vernon, WA 98421

CONSTITUENT UNIT		B ug/L	T ug/L	E ug/L	X ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L
Well ID	Date	--	--	--	--	--	--	--
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	800	500	500
MW-57	10/20/2015	2.6	< 2.0	< 3.0	< 3.0	160	< 110	< 250
MW-58	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	1900	990	< 250
MW-59	10/20/2015	2.7	43	< 3.0	< 3.0	2100	660	< 250
MW-60	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50H	< 110	< 250
MW-61	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110	< 250
MW-62	10/20/2015	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 110H	< 250H
MW-63	10/20/2015	8.1	7.1	89	120	1500	260 H	< 250H
MW-64	10/19/2015	19	2.0	< 3.0	5.4	1600	1900	270
MW-65	10/20/2015	1900	22	1100	54	7200	1600	< 250
MW-66	10/20/2015	290	9.2	84	16	4000	870	< 250
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
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

Figures

Figure 1	Site Location Map
Figure 2	Site Map
Figure 3	Soil Analytical Data Map – September 28 through 30, 2015
Figure 4	Groundwater Analytical Data Map – July 13 and 14, 2015
Figure 5	Groundwater Analytical Data Map – October 19 and 20, 2015
Figure 6	Potentiometric Map – July 13, 2015
Figure 7	Potentiometric Map – October 19, 2015
Figure 8	TPH-G Plume Map – July 13 and 14, 2015
Figure 9	TPH-G Plume Map – October 19 and 20, 2015







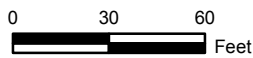
Legend

- Monitoring Well
- Irrigation Well
- Pumping Well
- Recovery Well
- Temporary Benchmark on Ground outside of NW Corner of Control Building; assumed Elevation of 100'
- Sample Boring

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

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

Aerial Photo Source:
Skagit County, WA GIS, 2002.



NOTES:
B = Benzene
T = Toluene
E = Ethyl benzene
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 with silica gel cleanup
TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx with silica gel cleanup
*1,000 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
QUALIFIERS:
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference exceeds control limits
E = Result exceeded calibration limits
H = Sample was prepped or analyzed beyond the specified holding time.
Y = The chromatographic response resembles a typical fuel pattern
* = LCS or LCSD is outside acceptance limits

Date	7/13/2015
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	1,100
TPH-D	1,700 Y
TPH-O	< 250

Date	7/13/2015
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 50
TPH-D	290 Y
TPH-O	< 250

Date	7/13/2015
B	120 H
T	2.1
E	62 H
X	5.1
TPH-G	580
TPH-D	850 Y
TPH-O	< 250

Date	7/14/2015
B	41 F1
T	3.3 F1
E	340 H
X	72 H
TPH-G	12,000
TPH-D	2,500 F1Y
TPH-O	< 250F1

Date	7/13/2015
B	< 2.0*
T	< 2.0*
E	< 3.0
X	< 3.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 250

Date	7/13/2015
B	8,000 HE
T	2,600 H
E	2,200 H
X	11,000 H
TPH-G	60,000 H
TPH-D	4,100 Y
TPH-O	< 250

Date	7/13/2015
B	< 2.0*
T	< 2.0*
E	< 3.0
X	< 3.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 250

Date	7/14/2015
B	330
T	13
E	1,600 H
X	40
TPH-G	14,000 H
TPH-D	2,800 Y
TPH-O	< 250

Date	7/13/2015
B	< 2.0*
T	< 2.0*
E	< 3.0
X	< 3.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 250

Date	7/14/2015
B	26
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	470 H
TPH-D	240 Y
TPH-O	< 250

Date	7/14/2015
B	130
T	5.1
E	360
X	10
TPH-G	6,300
TPH-D	1,800 Y
TPH-O	< 250

Date	7/13/2015
B	< 2.0*
T	< 2.0*
E	< 3.0
X	< 3.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 250

Date	7/14/2015
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 50H
TPH-D	< 110
TPH-O	< 250

Date	7/14/2015
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	200 H
TPH-D	120 Y
TPH-O	< 250

Date	7/14/2015
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	200 H
TPH-D	120 Y
TPH-O	< 250

Date	7/14/2015
B	40 F1
T	22 F1
E	730 F2F1
X	73
TPH-G	9,100
TPH-D	2,000 Y
TPH-O	< 250

Date	7/13/2015
B	< 2.0*
T	< 2.0*
E	< 3.0
X	< 3.0
TPH-G	< 50
TPH-D	110 Y
TPH-O	< 250

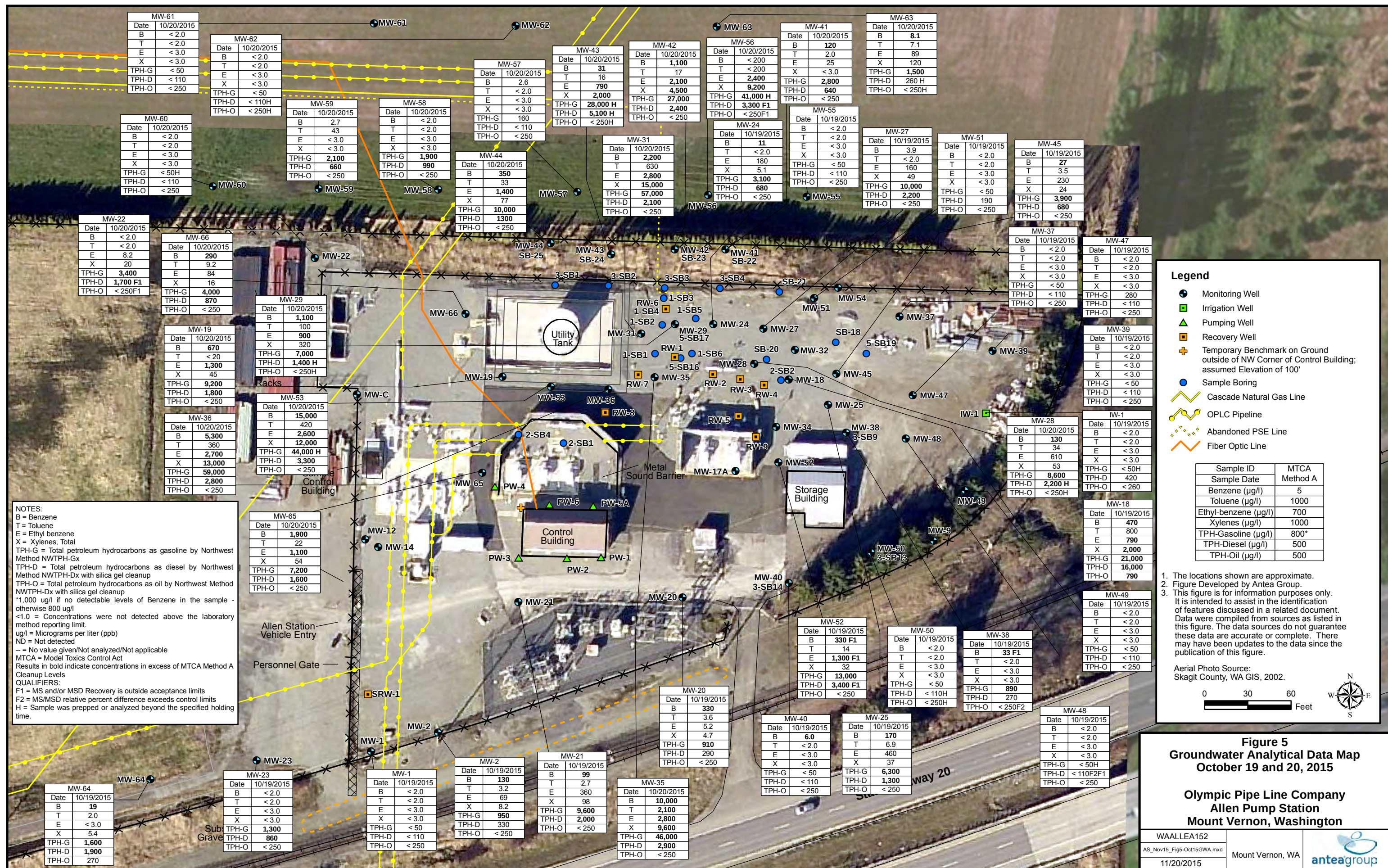
Date	7/13/2015
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 250

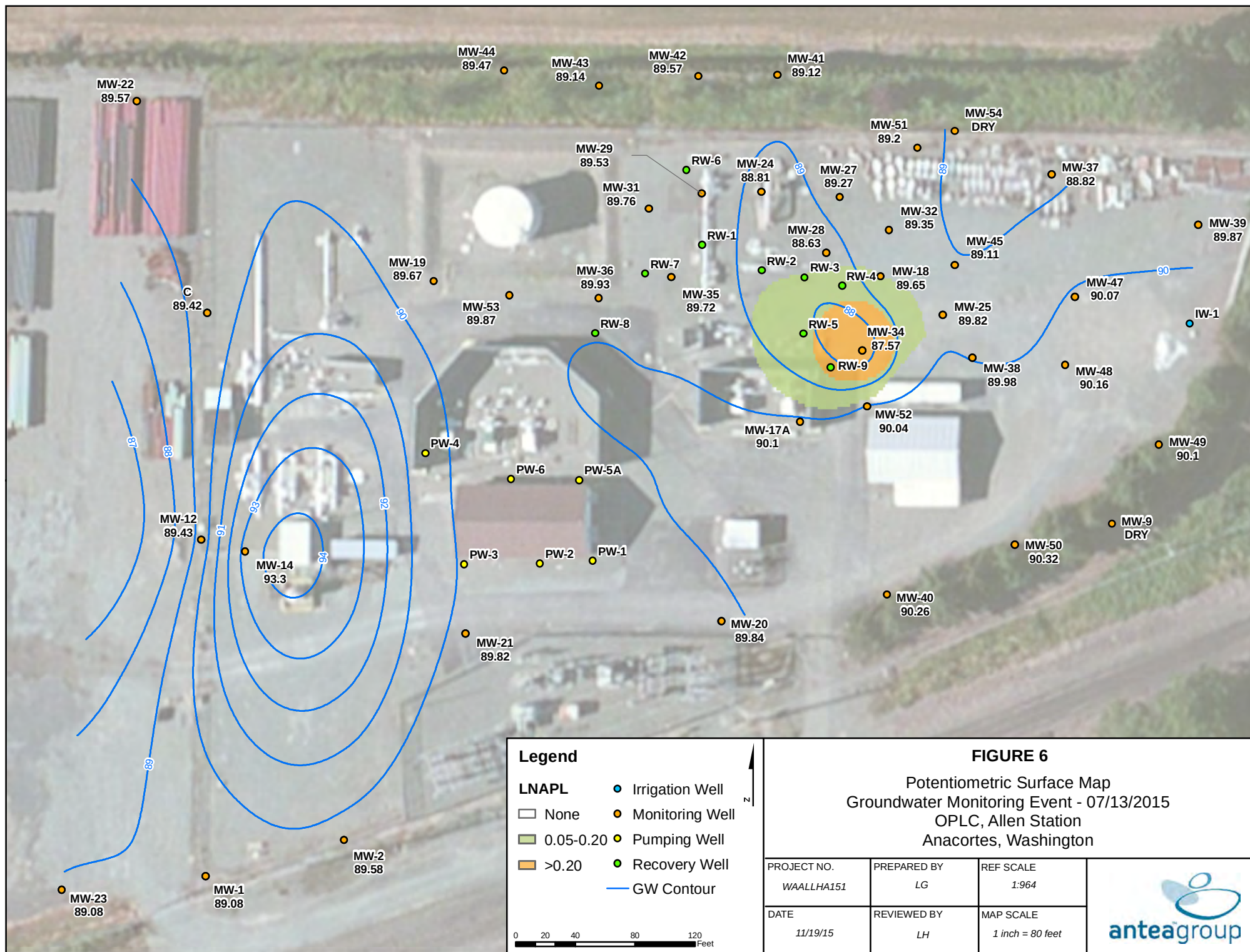
Date	7/14/2015
B	< 40
T	< 40
E	270
X	< 60
TPH-G	4,200 F1
TPH-D	820 Y
TPH-O	< 250

Date	7/13/2015
B	820 H
T	< 200H
E	1,400 H
X	2,200 H
TPH-G	20,000
TPH-D	2,700 Y
TPH-O	< 250

Figure 4
Groundwater Analytical Data Map
July 13 and 14, 2015

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington





Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

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

Sample Boring

(9,800) TPH-G Concentration in Groundwater (µg/L)

TPH-G Concentration in Groundwater

800 - 4,999 µg/L

5,000 - 9,999 µg/L

10,000 - 14,999 µg/L

>15,000 µg/L

Sample ID	MTCA Method A
Sample Date	
TPH-Gasoline (µg/l)	800*

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

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

Aerial Photo Source: Skagit County, WA GIS, 2002.

03060

Feet

N

W

E

S

NOTES:
TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx *1,000 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

QUALIFIERS:
F1 = MS and/or MSD Recovery is outside acceptance limits
H = Sample was prepped or analyzed beyond the specified holding time.

Figure 8
TPH-G Plume Map
July 13 and 14, 2015

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA152

AS_Nov15_Fig8-July15TPHG.mxd

11/23/2015

Mount Vernon, WA

Legend

Monitoring Well

Irrigation Well

Pumping Well

Recovery Well

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

Sample Boring

(1,300) TPH-G Concentration in Groundwater (µg/L)

TPH-G Concentration in Groundwater

800 - 4,999 µg/L

5,000 - 9,999 µg/L

10,000 - 14,999 µg/L

>15,000 µg/L

Sample ID	MTCA
Sample Date	Method A
TPH-Gasoline (µg/l)	800*

1. The locations shown are approximate.

2. Figure Developed by Antea Group.

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

Aerial Photo Source:
Skagit County, WA GIS, 2002.

03060

Feet

N

W

E

S

NOTES:
TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx
*1,000 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

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

Figure 9
TPH-G Plume Map
October 19 and 20, 2015

Olympic Pipe Line Company
Allen Pump Station
Mount Vernon, Washington

WAALLEA152	Mount Vernon, WA	
AS_Nov15_Fig9-Oct15TPHG.mxd		
11/23/2015		

Appendix A

Summary of Field Procedures and Quality Assurance Plan

FIELD PROCEDURES

Discrete soil samples were collected from each boring to characterize site soils with respect to petroleum hydrocarbon impacts. Samples submitted for analyses were collected using a hand auger, a core barrel sampler with a 2.25-inch outside diameter by 48-inch long acetate liner. The samples were labeled and immediately placed in cold storage until submitted to the laboratory for analyses. The soil samples were collected in accordance with EPA Method 5035A. The samples were transported to the laboratory under chain-of-custody procedures to document sample integrity. Test America of Tacoma, Washington performed all laboratory analyses.

During the drilling activities, soil samples were screened using a photoionization detector (PID). The PID was a MiniRAE VOC vapor meter equipped with a 10.6 electron volt (eV) ultraviolet (UV) lamp and calibrated to benzene standards with isobutylene for direct readings in parts per million (ppm). The operating range of the detector is from 0 to 15,000 parts per million (ppm) with a minimum detection limit of 0.1 ppm. It should be noted that the PID measurements are considered semi-quantitative data since the instrument detects all organic compounds with ionization potentials less than 10.6 eV. A portion of the soil samples were removed from the sampler and placed in plastic bags, sealed and brought to approximately ambient air temperature. The PID probe was inserted into an opening of the plastic bag and the reading noted. The soil within the bag was agitated during the reading process to aid in mobilization of volatile organic vapors. Although the PID is not capable of quantifying or identifying specific organic compounds, it is capable of measuring a variety of organic vapors frequently associated with petroleum hydrocarbons.

ANALYTICAL METHODS

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures ensure sample integrity and document sample possession from the time of collection to delivery to the laboratory. Each sample submitted for analysis was labeled and identified with the project number, date and time of sample collection, sampler and sample number unique to the sample. This information, in addition to any field measurements, noted names of on-site personnel, and any other pertinent field observations were recorded in the field notes. Samples were analyzed by Test America of Tacoma, Washington.

Upon arrival at the laboratory, the sample control personnel at the laboratory verified sample integrity and confirmed that the sample was collected in the proper container, packaged correctly, and that there was adequate volume of sample for the required analyses. The laboratory assigned a unique log number for identification of each sample throughout analyses and reporting. The log number was recorded on the chain of custody form and in the legally required logbook maintained in the laboratory. The sample description, date received, client name, and any other relevant information was recorded.

Analytical Quality Assurance

In addition to routine calibration of the analytical instruments with standards and blanks, the analyst is required to run duplicates and spikes on 10 percent of the analyses to insure an added measure of precision and accuracy.

Accuracy is also verified through the following:

1. U.S. Environmental Protection Agency (EPA) and State certification programs.
2. Participation in an inter-laboratory or "round-robin" quality assurance program.
3. Verification of results with an alternative method. For example, calcium may be determined by atomic absorption, ion chromatography, or titrimetric methods.

Analytical Methods

The analytical tests performed for this evaluation were chosen based upon standard requirements issued by the Washington State Department of Ecology. Select samples collected during this investigation were analyzed by the following methods:

1. Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx;
2. Total petroleum hydrocarbons as diesel and oil by Northwest Method NWTPH-Dx with silica gel cleanup;
3. Benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8260; and
4. Total lead by EPA 6010/6020.

Appendix B

Boring Logs



WELL/BORING: MW-55

Unique Ecology Well ID: BIX 108

INSTALLATION DATE: 9/28/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST ▽	STABILIZED ▼	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	96.13
											SURVEY DATE:	10/21/2015
											DTW:	7.94
											DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete						1					Surface = grass	
Bentonite						2						
						3						
			DRY	0.0	-	4						
						5			SM		SAND: brown; very fine sand.	
						6						
			WET	3.0	-	7			ML		Clayey SILT: dark brown; trace very fine to fine sand; moderate plasticity.	
						8					Organic wood material at 8 to 10'.	
						9						
						10					No recovery from 10 to 15'	
						11						
						12						
						13						
						14						
						15						
						16						
						17						
						18						
						19						
						20						
						21						
						22						



WELL/BORING: MW-56

Unique Ecology Well ID: BIX 109

INSTALLATION DATE: 9/28/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

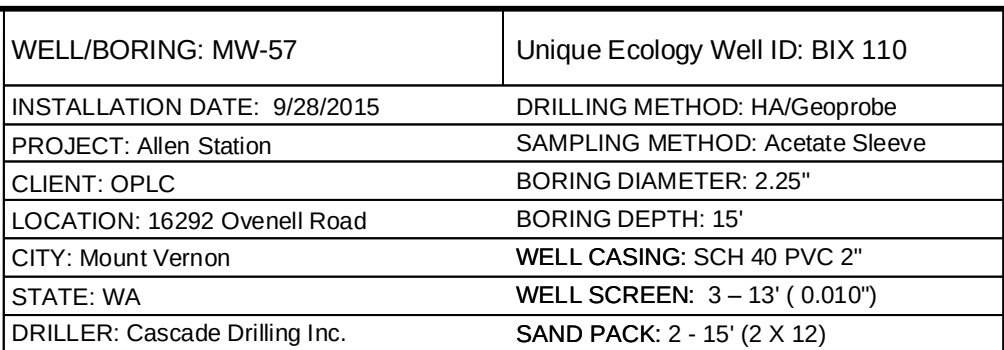
STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	94.83
	▽	▼									SURVEY DATE:	10/21/2015
											DTW:	6.09
											DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete						1					Surface = grass	
Bentonite						2			SM		<u>SAND</u> : brown; very fine sand.	
			DRY	0.0	-	3						
						4						
			MST	112.8	-	5			ML		Clayey <u>SILT</u> : gray/brown; moderate plasticity; slight odor.	
	▽		WET	15,000+	-	6			SP		<u>SAND</u> : gray; medium to coarse sand; odor.	
						7						
			-	15,000+	-	8			ML		<u>SILT</u> : gray; trace fine sand; odor.	
						9						
			WET	231.9	-	10			ML		Clayey <u>SILT</u> : gray; moderate plasticity; slight odor.	
						11						
			-	274.0	-	12			ML		Same as Above.	
						13						
			-	150.9	-	14			ML		Same as Above.	
						15						
						16						
						17						
						18						
						19						
						20						
						21						
						22						

11/23/2015



WELL/BORING: MW-58

Unique Ecology Well ID: BIX 111

INSTALLATION DATE: 9/29/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	93.92
										SURVEY DATE:	10/21/2015
										DTW:	6.00
										DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete					1					Surface = grass	
Bentonite					2						
		DRY	231.8	-	3			SM		SAND: gray; very fine sand; odor.	
					4						
		DRY	217.9	-	5			SP		SAND: gray; 100% fine to coarse sand; odor.	
					6					No recovery from 6.5 to 9'	
					7						
					8						
		WET	93.0	-	9			ML		Clayey SILT: gray; odor.	
					10						
		WET	2.9	-	11			SM		Silty SAND: gray; 20% silt; 80% fine to coarse sand.	
					12						
		WET	2.1	-	13			ML		Clayey SILT: gray; moderate plasticity.	
					14						
		WET	2.8	-	15			ML		Same as Above.	
					16						
					17						
					18						
					19						
					20						
					21						
					22						



WELL/BORING: MW-59

Unique Ecology Well ID: BIX 112

INSTALLATION DATE: 9/29/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST ▽	STABILIZED ▼	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	93.52
											SURVEY DATE:	10/21/2015
											DTW:	5.83
											DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete						1					Surface = grass	
Bentonite						2			SM		<u>SAND</u> : gray; trace silt; very fine sand; odor.	
			DRY	114.7	-	3						
						4						
			DMP	40.6	-	5			SM		Silty <u>SAND</u> : gray/brown; 20% silt; 80% very fine sand; odor.	
						6					Silty <u>SAND</u> : gray/brown; 20% silt; 80% very fine sand; odor.	
			WET	65.9	-	7			ML			
						8						
			WET	4.7	-	9			ML		Silty <u>SAND</u> : gray; 20% silt; 80% very fine sand.	
						10					No recovery from 10 to 15'	
						11						
						12						
						13						
						14						
						15						
						16						
						17						
						18						
						19						
						20						
						21						
						22						



WELL/BORING: MW-60

Unique Ecology Well ID: BIX 113

INSTALLATION DATE: 9/29/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST ▽	STABILIZED ▼	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	94.04
											SURVEY DATE:	10/21/2015
											DTW:	5.85
											DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete						1					Surface = grass	
Bentonite						2						
			DRY	0.9	-	3			SM		SAND: brownish gray; trace silt; very fine sand.	
						4						
			DRY	0.7	-	5			SP		SAND: brown; fine to coarse sand.	
						6					No recovery from 6 to 9'	
						7						
						8						
			WET	1.1	-	9			SP		Same as Above.	
						10					No recovery from 10 to 15'	
						11						
						12						
						13						
						14						
						15						
						16						
						17						
						18						
						19						
						20						
						21						
						22						



WELL/BORING: MW-61

Unique Ecology Well ID: BIX 116

INSTALLATION DATE: 9/30/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	95.03
										SURVEY DATE:	10/21/2015
										DTW:	6.37
										DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete					1					Surface = grass	
Bentonite					2						
		DRY	0.5	-	3			SM		SAND: brown; 10% silt; 90% very fine sand.	
					4						
		DRY	0.8	-	5			SP		SAND: brown; 100% fine to coarse sand.	
					6						
		WET	1.1	-	7			SP		SAND: brown; 100% fine to coarse sand.	
					8					Organic wood material at 8'	
		WET	1.3	-	9			ML		Clayey SILT: brown; moderate plasticity.	
					10			SM		Silty SAND: brown; 40% silt; 60% fine to coarse sand.	
					11						
		WET	0.8	-	12			ML		Clayey SILT: gray; trace very fine sand; moderately plasticity; odor.	
					13						
		WET	0.9	-	14						
					15						
					16						
					17						
					18						
					19						
					20						
					21						
					22						



WELL/BORING: MW-62

Unique Ecology Well ID: BIX 115

INSTALLATION DATE: 9/30/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	94.04
										SURVEY DATE:	10/21/2015
										DTW:	6.00
										DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete					1					Surface = grass	
Bentonite					2						
		DRY	1.7	-	3			SM		SAND: brown; 100% very fine sand.	
					4						
		MST	1.2	-	5			SP		SAND: brown; 100% fine to coarse sand.	
					6						
		WET	0.5	-	7			SM		Sandy SILT: gray; 80% silt; 10% very fine to fine sand.	
					8						
		WET	0.7	-	9			SM		Same as Above.	
					10			SM		SILT: gray; 100% silt.	
					11					Clayey SILT: gray; moderate plasticity.	
		WET	0.8	-	12			ML			
					13						
		WET	0.7	-	14					Same as Above.	
					15						
					16						
					17						
					18						
					19						
					20						
					21						
					22						



WELL/BORING: MW-63

Unique Ecology Well ID: BIX 114

INSTALLATION DATE: 9/30/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST ▽	STABILIZED ▼	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	94.75
											SURVEY DATE:	10/21/2015
											DTW:	5.97
											DESCRIPTION/LOGGED BY: Lauren Hamilton	
	▽		DRY	1.0	-	1					Surface = grass	
						2						
						3			ML		<u>SILT</u> : brown; 100% silt.	
						4						
			MST	0.9	-	5			ML		<u>SILT</u> : brownish gray; 100% very fine to fine sand.	
						6						
			WET	0.3	-	7			ML		<u>SILT</u> : gray; 100% silt; trace very fine to fine sand.	
						8						
			WET	1.1	-	9			ML		Same as Above: odor from 8 to 10'.	
						10						
			WET	5.9	-	11			ML		Same as Above: no odor.	
						12					Clayey <u>SILT</u> : gray; moderate plasticity; odor.	
						13						
			WET	7.3	-	14						
						15					Same as Above: no odor.	
						16						
						17						
						18						
						19						
						20						
						21						
						22						



WELL/BORING: MW-64

Unique Ecology Well ID: BIX 117

INSTALLATION DATE: 9/30/2015

DRILLING METHOD: HA/Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	-
										SURVEY DATE:	-
										DTW:	5.17
										DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete					1					Surface = grass	
Bentonite					2						
		DRY	0.5	-	3			SP		SAND: grayish brown; medium to coarse subrounded sand.	
					4						
		WET	83.9	-	5			SM		Silty SAND: gray; 10% silt; 90% very fine to coarse sand; odor.	
					6						
		WET	9.6	-	7			SP		SAND: gray; medium to coarse subrounded sand; odor.	
					8						
		WET	10.8	-	9						
					10			SP		Same as Above.	
					11						
		WET	2.7	-	12			ML		12-12.5' Organic wood material.	
					13					Clayey Silty SAND: gray; 30% silt; 70% very fine to fine sand; moderate plasticity.	
		WET	3.5	-	14						
					15						
					16						
					17						
					18						
					19						
					20						
					21						
					22						



WELL/BORING: MW-65

Unique Ecology Well ID: BIX 118

INSTALLATION DATE: 9/30/2015

DRILLING METHOD: Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	96.42
										SURVEY DATE:	10/21/2015
										DTW:	6.96
										DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete					1					Surface = asphalt	
Bentonite					2						
		DRY	1,277	-	3			SM		SAND: brown; 100% very fine sand.	
					4						
		DRY	1,018.3	-	5			SP		Same as Above: gray.	
					6			ML		SILT: gray; odor.	
		WET	1,890	-	7			SP		SAND: gray; medium to coarse sand; sheen at 7.5'; odor.	
					8						
		WET	279.9	-	9			ML		SILT: gray; 100% silt; trace very fine sand.	
					10			ML		Same as Above: brown.	
					11						
		WET	425.6	-	12			ML			
					13						
		WET	13.0	-	14					Same as Above: gray; organic material 14-15'.	
					15						
					16						
					17						
					18						
					19						
					20						
					21						
					22						



WELL/BORING: MW-66

Unique Ecology Well ID: BIX 119

INSTALLATION DATE: 9/30/2015

DRILLING METHOD: Geoprobe

PROJECT: Allen Station

SAMPLING METHOD: Acetate Sleeve

CLIENT: OPLC

BORING DIAMETER: 2.25"

LOCATION: 16292 Ovenell Road

BORING DEPTH: 15'

CITY: Mount Vernon

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 3 - 13' (0.010")

DRILLER: Cascade Drilling Inc.

SAND PACK: 2 - 15' (2 X 12)

WELL/BORING COMPLETION	FIRST STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	95.74
										SURVEY DATE:	10/21/2015
										DTW:	6.72
										DESCRIPTION/LOGGED BY: Lauren Hamilton	
Concrete					1					Surface = gravel, large rocks	
Bentonite					2						
		DRY	1,804	-	3			SM		SILT: grayish brown; 100% silt; odor.	
					4						
		WET	1,356	-	5			SM		Same as Above: gray.	
					6						
		WET	1,709	-	7			SP		SAND: gray; fine to very coarse subrounded sand; strong odor.	
					8						
		WET	891.0	-	9						
					10			SP		Same as Above; brown; no odor.	
					11						
		WET	24.9	-	12			SM		SILT: gray; 100% silt.	
					13					Organic material.	
		WET	5.9	-	14			ML		Clayey SILT: brown turns to gray at 14'; moderate plasticity.	
					15						
					16						
					17						
					18						
					19						
					20						
					21						
					22						

Appendix C

Soil and Groundwater Laboratory Analytical Report

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-53953-1

Client Project/Site: OPLC - Allen Station

Revision: 2

For:

Antea USA, Inc.

4006 148th Ave NE

Redmond, Washington 98052

Attn: Mackie Stock



Authorized for release by:

11/6/2015 4:06:03 PM

Robert Greer, Project Manager I

(253)922-2310

robert.greer@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.

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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 Chain of Custody is included and is an integral part of this report.



Robert Greer
Project Manager I
11/6/2015 4:06:03 PM

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Case Narrative

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

TestAmerica Job ID: 580-53953-1

Job ID: 580-53953-1

Laboratory: TestAmerica Seattle

Narrative

Client asked to have BTEX compounds reported down to MDL on 11/4/15.

Job Narrative 580-53953-1

Comments

No additional comments.

Receipt

The samples were received on 10/1/2015 12:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9° C.

Except:

Sample listed Composite-1 has been put on hold as per COC.

GC/MS VOA

Method(s) 8260B: The following samples was diluted due to the abundance of non-target analytes: MW-59-2.5 (580-53953-6), MW-65-2.5 (580-53953-11), MW-65-5 (580-53953-12) and MW-66-2.5 (580-53953-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Laboratory samples MW-1-2.5 (580-53953-15), MW-61-5 (580-53953-16), MW-62-.5 (580-53953-17) and MW-63-5 (580-53953-18) were inadvertently prepped at a 10X dilution. Due to limited holding time remaining after initial analysis the samples could not be analyzed at 1X within holding time. The samples are reported with raised reporting limits.

Method(s) 8260B: Reanalysis of the following sample was performed outside of the analytical holding time due to the result exceed calibration range. MW-65-2.5 (580-53953-11).

Method(s) 8260B: Surrogate Toluene-d8 recovery for the following sample was outside upper control limits: MW-65-2.5 (580-53953-11). Evidence of matrix interference is present; the surrogate was within QC limits in the diluted analysis.

Method(s) 8260B: The target analyte Ethylbenzene was outside the upper calibration range in the diluted analysis (DL). The further diluted (DL2) analysis occurred outside analytical holding time therefore the in hold (E) flagged analysis is reported as the primary result and the further diluted analysis is reported as a secondary result.

Method(s) NWTPH-Gx: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-58-5 (580-53953-5), MW-59-2.5 (580-53953-6), MW-65-2.5 (580-53953-11), MW-65-5 (580-53953-12) and MW-66-2.5 (580-53953-13). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: Surrogate recovery for the following sample was outside control limits: MW-65-2.5 (580-53953-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The following sample was analyzed at reduced volume due to high concentrations of target analytes: MW-58-2.5 (580-53953-4). The calculation was done using an initial volume adjustment rather than a dilution factor. The reporting limits have been elevated by the appropriate factor.

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 surrogate recovery o-terphenyl recovered below control limits for the following samples: MW-56-2.5 (580-53953-2).

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

Metals

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

Case Narrative

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

TestAmerica Job ID: 580-53953-1

Job ID: 580-53953-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

General Chemistry

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

Organic Prep

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

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Definitions/Glossary

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

TestAmerica Job ID: 580-53953-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
E	Result exceeded calibration range.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-55-5

Date Collected: 09/28/15 12:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-1

Matrix: Solid

Percent Solids: 82.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0043	0.0043	mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1
Toluene	ND		0.0032	0.0032	mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1
Ethylbenzene	ND		0.0025	0.0025	mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1
Xylenes, Total	ND		0.0037	0.0037	mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	10/09/15 11:23	10/09/15 16:57	1
4-Bromofluorobenzene (Surr)	102		70 - 120	10/09/15 11:23	10/09/15 16:57	1
Toluene-d8 (Surr)	99		80 - 120	10/09/15 11:23	10/09/15 16:57	1
Trifluorotoluene (Surr)	96		65 - 140	10/09/15 11:23	10/09/15 16:57	1
Dibromofluoromethane (Surr)	97		75 - 132	10/09/15 11:23	10/09/15 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/12/15 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150	10/12/15 12:34	10/12/15 21:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		30		mg/Kg	☼	10/12/15 13:02	10/14/15 13:38	1
Motor Oil (>C24-C36)	ND		59		mg/Kg	☼	10/12/15 13:02	10/14/15 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	10/12/15 13:02	10/14/15 13:38	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		0.53		mg/Kg	☼	10/13/15 08:06	10/13/15 19:53	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%	-		10/13/15 10:17	1
Percent Moisture	17		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-56-2.5

Date Collected: 09/28/15 14:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-2

Matrix: Solid

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0050	0.0050	mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1
Toluene	ND		0.0037	0.0037	mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1
Ethylbenzene	ND		0.0028	0.0028	mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1
Xylenes, Total	ND		0.0043	0.0043	mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	10/09/15 11:23	10/09/15 17:24	1
4-Bromofluorobenzene (Surr)	102		70 - 120	10/09/15 11:23	10/09/15 17:24	1
Toluene-d8 (Surr)	100		80 - 120	10/09/15 11:23	10/09/15 17:24	1
Trifluorotoluene (Surr)	96		65 - 140	10/09/15 11:23	10/09/15 17:24	1
Dibromofluoromethane (Surr)	97		75 - 132	10/09/15 11:23	10/09/15 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.7		mg/Kg	☼	10/12/15 12:34	10/12/15 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150	10/12/15 12:34	10/12/15 21:40	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		31		mg/Kg	☼	10/12/15 13:02	10/14/15 13:58	1
Motor Oil (>C24-C36)	ND		62		mg/Kg	☼	10/12/15 13:02	10/14/15 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	10/12/15 13:02	10/14/15 13:58	1
4-Bromofluorobenzene (Surr)	44	X	50 - 150	10/12/15 13:02	10/14/15 13:58	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2		0.57		mg/Kg	☼	10/13/15 08:06	10/13/15 20:29	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%	-		10/13/15 10:17	1
Percent Moisture	23		0.10		%			10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-57-3

Date Collected: 09/28/15 15:05

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-3

Matrix: Solid

Percent Solids: 72.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0051	0.0051	mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1
Toluene	ND		0.0038	0.0038	mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1
Ethylbenzene	ND		0.0029	0.0029	mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1
Xylenes, Total	ND		0.0044	0.0044	mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136				10/09/15 11:23	10/09/15 17:51	1
4-Bromofluorobenzene (Surr)	101		70 - 120				10/09/15 11:23	10/09/15 17:51	1
Toluene-d8 (Surr)	102		80 - 120				10/09/15 11:23	10/09/15 17:51	1
Trifluorotoluene (Surr)	93		65 - 140				10/09/15 11:23	10/09/15 17:51	1
Dibromofluoromethane (Surr)	101		75 - 132				10/09/15 11:23	10/09/15 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.8		mg/Kg	☼	10/12/15 12:34	10/12/15 22:13	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150				10/12/15 12:34	10/12/15 22:13	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		33		mg/Kg	☼	10/12/15 13:02	10/14/15 14:19	1
Motor Oil (>C24-C36)	ND		67		mg/Kg	☼	10/12/15 13:02	10/14/15 14:19	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150				10/12/15 13:02	10/14/15 14:19	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.9		0.59		mg/Kg	☼	10/13/15 08:06	10/13/15 20:34	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72		0.10		%	-		10/13/15 10:17	1
Percent Moisture	28		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-58-2.5

Date Collected: 09/29/15 09:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-4

Matrix: Solid

Percent Solids: 90.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0042	0.0042	mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1
Toluene	0.0033		0.0031	0.0031	mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1
Ethylbenzene	0.010		0.0024	0.0024	mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1
Xylenes, Total	ND		0.0036	0.0036	mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		71 - 136	10/09/15 11:23	10/09/15 18:18	1
4-Bromofluorobenzene (Surr)	88		70 - 120	10/09/15 11:23	10/09/15 18:18	1
Toluene-d8 (Surr)	104		80 - 120	10/09/15 11:23	10/09/15 18:18	1
Trifluorotoluene (Surr)	96		65 - 140	10/09/15 11:23	10/09/15 18:18	1
Dibromofluoromethane (Surr)	106		75 - 132	10/09/15 11:23	10/09/15 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	530		51		mg/Kg	☼	10/13/15 15:49	10/13/15 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		50 - 150	10/13/15 15:49	10/13/15 23:11	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)	13000		270		mg/Kg	☼	10/12/15 13:02	10/15/15 18:55	10
Motor Oil (>C24-C36)	560		540		mg/Kg	☼	10/12/15 13:02	10/15/15 18:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	147		50 - 150	10/12/15 13:02	10/15/15 18:55	10

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.5		0.50		mg/Kg	☼	10/13/15 08:06	10/13/15 20:39	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%	-		10/13/15 10:17	1
Percent Moisture	10		0.10		%			10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-58-5

Date Collected: 09/29/15 09:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-5

Matrix: Solid

Percent Solids: 91.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0037	0.0037	mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1
Toluene	ND		0.0027	0.0027	mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1
Ethylbenzene	0.0039		0.0021	0.0021	mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1
Xylenes, Total	ND		0.0032	0.0032	mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	10/09/15 11:23	10/09/15 18:45	1
4-Bromofluorobenzene (Surr)	110		70 - 120	10/09/15 11:23	10/09/15 18:45	1
Toluene-d8 (Surr)	98		80 - 120	10/09/15 11:23	10/09/15 18:45	1
Trifluorotoluene (Surr)	99		65 - 140	10/09/15 11:23	10/09/15 18:45	1
Dibromofluoromethane (Surr)	98		75 - 132	10/09/15 11:23	10/09/15 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2000		210		mg/Kg	☼	10/12/15 12:34	10/12/15 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		50 - 150	10/12/15 12:34	10/12/15 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3900		27		mg/Kg	☼	10/12/15 13:02	10/14/15 15:00	1
Motor Oil (>C24-C36)	160		54		mg/Kg	☼	10/12/15 13:02	10/14/15 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	110		50 - 150	10/12/15 13:02	10/14/15 15:00	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		0.49		mg/Kg	☼	10/13/15 08:06	10/13/15 20:43	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%	-		10/13/15 10:17	1
Percent Moisture	8.7		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-59-2.5

Date Collected: 09/29/15 10:15

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-6

Matrix: Solid

Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0045	0.0045	mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1
Toluene	0.0038		0.0033	0.0033	mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1
Ethylbenzene	0.029		0.0026	0.0026	mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1
Xylenes, Total	ND		0.0038	0.0038	mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		71 - 136	10/09/15 11:23	10/09/15 19:12	1
4-Bromofluorobenzene (Surr)	82		70 - 120	10/09/15 11:23	10/09/15 19:12	1
Toluene-d8 (Surr)	115		80 - 120	10/09/15 11:23	10/09/15 19:12	1
Trifluorotoluene (Surr)	99		65 - 140	10/09/15 11:23	10/09/15 19:12	1
Dibromofluoromethane (Surr)	111		75 - 132	10/09/15 11:23	10/09/15 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5500		260		mg/Kg	☼	10/12/15 12:34	10/13/15 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		50 - 150	10/12/15 12:34	10/13/15 00:26	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)	11000		28		mg/Kg	☼	10/12/15 13:02	10/14/15 15:21	1
Motor Oil (>C24-C36)	330		57		mg/Kg	☼	10/12/15 13:02	10/14/15 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	147		50 - 150	10/12/15 13:02	10/14/15 15:21	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.7		0.52		mg/Kg	☼	10/13/15 08:06	10/13/15 20:48	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%	-		10/13/15 10:17	1
Percent Moisture	14		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-59-5

Date Collected: 09/29/15 10:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-7

Matrix: Solid

Percent Solids: 71.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0051	0.0051	mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1
Toluene	ND		0.0038	0.0038	mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1
Ethylbenzene	ND		0.0029	0.0029	mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1
Xylenes, Total	ND		0.0044	0.0044	mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		71 - 136	10/09/15 11:23	10/09/15 19:39	1
4-Bromofluorobenzene (Surr)	103		70 - 120	10/09/15 11:23	10/09/15 19:39	1
Toluene-d8 (Surr)	103		80 - 120	10/09/15 11:23	10/09/15 19:39	1
Trifluorotoluene (Surr)	94		65 - 140	10/09/15 11:23	10/09/15 19:39	1
Dibromofluoromethane (Surr)	103		75 - 132	10/09/15 11:23	10/09/15 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	32		5.8		mg/Kg	☼	10/12/15 12:34	10/13/15 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	10/12/15 12:34	10/13/15 00:59	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)	62		34		mg/Kg	☼	10/12/15 13:02	10/14/15 15:42	1
Motor Oil (>C24-C36)	ND		68		mg/Kg	☼	10/12/15 13:02	10/14/15 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	10/12/15 13:02	10/14/15 15:42	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4		0.62		mg/Kg	☼	10/13/15 08:06	10/13/15 20:52	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	71		0.10		%	-		10/13/15 10:17	1
Percent Moisture	29		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-60-2.5

Date Collected: 09/29/15 11:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-8

Matrix: Solid

Percent Solids: 83.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0047	0.0047	mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1
Toluene	ND		0.0035	0.0035	mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1
Ethylbenzene	ND		0.0027	0.0027	mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1
Xylenes, Total	ND		0.0040	0.0040	mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 136	10/09/15 11:23	10/09/15 20:05	1
4-Bromofluorobenzene (Surr)	101		70 - 120	10/09/15 11:23	10/09/15 20:05	1
Toluene-d8 (Surr)	102		80 - 120	10/09/15 11:23	10/09/15 20:05	1
Trifluorotoluene (Surr)	93		65 - 140	10/09/15 11:23	10/09/15 20:05	1
Dibromofluoromethane (Surr)	101		75 - 132	10/09/15 11:23	10/09/15 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.4		mg/Kg	☼	10/12/15 12:34	10/13/15 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150	10/12/15 12:34	10/13/15 01:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		29		mg/Kg	☼	10/12/15 13:02	10/15/15 17:53	1
Motor Oil (>C24-C36)	ND		59		mg/Kg	☼	10/12/15 13:02	10/15/15 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	10/12/15 13:02	10/15/15 17:53	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.8		0.52		mg/Kg	☼	10/13/15 08:06	10/13/15 20:57	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10		%	-		10/13/15 10:17	1
Percent Moisture	16		0.10		%			10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-60-5

Date Collected: 09/29/15 11:25

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-9

Matrix: Solid

Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0040	0.0040	mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1
Toluene	ND		0.0029	0.0029	mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1
Ethylbenzene	ND		0.0023	0.0023	mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1
Xylenes, Total	ND		0.0034	0.0034	mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		71 - 136	10/09/15 11:23	10/09/15 20:33	1
4-Bromofluorobenzene (Surr)	103		70 - 120	10/09/15 11:23	10/09/15 20:33	1
Toluene-d8 (Surr)	98		80 - 120	10/09/15 11:23	10/09/15 20:33	1
Trifluorotoluene (Surr)	93		65 - 140	10/09/15 11:23	10/09/15 20:33	1
Dibromofluoromethane (Surr)	101		75 - 132	10/09/15 11:23	10/09/15 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.5		mg/Kg	☼	10/12/15 12:34	10/13/15 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150	10/12/15 12:34	10/13/15 02:05	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		29		mg/Kg	☼	10/12/15 13:02	10/15/15 18:14	1
Motor Oil (>C24-C36)	ND		57		mg/Kg	☼	10/12/15 13:02	10/15/15 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	10/12/15 13:02	10/15/15 18:14	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.6		0.53		mg/Kg	☼	10/13/15 08:06	10/13/15 21:01	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10		%	-		10/13/15 10:17	1
Percent Moisture	16		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-64-2.5

Date Collected: 09/30/15 10:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-10

Matrix: Solid

Percent Solids: 89.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0043	0.0043	mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1
Toluene	ND		0.0032	0.0032	mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1
Ethylbenzene	ND		0.0024	0.0024	mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1
Xylenes, Total	ND		0.0037	0.0037	mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		71 - 136	10/09/15 11:23	10/09/15 20:59	1
4-Bromofluorobenzene (Surr)	102		70 - 120	10/09/15 11:23	10/09/15 20:59	1
Toluene-d8 (Surr)	104		80 - 120	10/09/15 11:23	10/09/15 20:59	1
Trifluorotoluene (Surr)	94		65 - 140	10/09/15 11:23	10/09/15 20:59	1
Dibromofluoromethane (Surr)	103		75 - 132	10/09/15 11:23	10/09/15 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/13/15 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150	10/12/15 12:34	10/13/15 05:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	53		27		mg/Kg	☼	10/12/15 13:02	10/15/15 18:34	1
Motor Oil (>C24-C36)	ND		55		mg/Kg	☼	10/12/15 13:02	10/15/15 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	10/12/15 13:02	10/15/15 18:34	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.7		0.49		mg/Kg	☼	10/13/15 08:06	10/13/15 21:06	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%	-		10/13/15 10:17	1
Percent Moisture	11		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-2.5

Date Collected: 09/30/15 13:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-11

Matrix: Solid

Percent Solids: 86.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.1		0.0032	0.0032	mg/Kg	☼	10/09/15 11:23	10/09/15 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		71 - 136				10/09/15 11:23	10/09/15 23:14	1
4-Bromofluorobenzene (Surr)	89		70 - 120				10/09/15 11:23	10/09/15 23:14	1
Toluene-d8 (Surr)	124	X	80 - 120				10/09/15 11:23	10/09/15 23:14	1
Trifluorotoluene (Surr)	91		65 - 140				10/09/15 11:23	10/09/15 23:14	1
Dibromofluoromethane (Surr)	98		75 - 132				10/09/15 11:23	10/09/15 23:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	24		0.087	0.087	mg/Kg	☼	10/09/15 11:23	10/12/15 13:57	1
Ethylbenzene	230	E	0.050	0.050	mg/Kg	☼	10/09/15 11:23	10/12/15 13:57	1
Xylenes, Total	38		0.074	0.074	mg/Kg	☼	10/09/15 11:23	10/12/15 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136				10/09/15 11:23	10/12/15 13:57	1
4-Bromofluorobenzene (Surr)	92		70 - 120				10/09/15 11:23	10/12/15 13:57	1
Toluene-d8 (Surr)	111		80 - 120				10/09/15 11:23	10/12/15 13:57	1
Trifluorotoluene (Surr)	102		65 - 140				10/09/15 11:23	10/12/15 13:57	1
Dibromofluoromethane (Surr)	98		75 - 132				10/09/15 11:23	10/12/15 13:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	260	H B ^	0.25	0.25	mg/Kg	☼	10/09/15 11:23	10/15/15 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 136				10/09/15 11:23	10/15/15 12:26	1
4-Bromofluorobenzene (Surr)	105		70 - 120				10/09/15 11:23	10/15/15 12:26	1
Toluene-d8 (Surr)	100		80 - 120				10/09/15 11:23	10/15/15 12:26	1
Trifluorotoluene (Surr)	96		65 - 140				10/09/15 11:23	10/15/15 12:26	1
Dibromofluoromethane (Surr)	95		75 - 132				10/09/15 11:23	10/15/15 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11000		250		mg/Kg	☼	10/12/15 12:34	10/13/15 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	194	X	50 - 150				10/12/15 12:34	10/13/15 06:31	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)	12000		280		mg/Kg	☼	10/12/15 13:02	10/15/15 19:56	10
Motor Oil (>C24-C36)	ND		550		mg/Kg	☼	10/12/15 13:02	10/15/15 19:56	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	117		50 - 150				10/12/15 13:02	10/15/15 19:56	10

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		0.50		mg/Kg	☼	10/13/15 08:06	10/13/15 21:11	10

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-2.5

Lab Sample ID: 580-53953-11

Date Collected: 09/30/15 13:20

Matrix: Solid

Date Received: 10/01/15 12:45

Percent Solids: 86.0

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			10/13/15 10:17	1
Percent Moisture	14		0.10		%			10/13/15 10:17	1

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-5

Date Collected: 09/30/15 13:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-12

Matrix: Solid

Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.0		0.0047	0.0047	mg/Kg	☼	10/09/15 11:23	10/09/15 23:40	1
Toluene	0.23		0.0035	0.0035	mg/Kg	☼	10/09/15 11:23	10/09/15 23:40	1
Xylenes, Total	1.5		0.0040	0.0040	mg/Kg	☼	10/09/15 11:23	10/09/15 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		71 - 136				10/09/15 11:23	10/09/15 23:40	1
4-Bromofluorobenzene (Surr)	112		70 - 120				10/09/15 11:23	10/09/15 23:40	1
Toluene-d8 (Surr)	115		80 - 120				10/09/15 11:23	10/09/15 23:40	1
Trifluorotoluene (Surr)	93		65 - 140				10/09/15 11:23	10/09/15 23:40	1
Dibromofluoromethane (Surr)	97		75 - 132				10/09/15 11:23	10/09/15 23:40	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	110		0.27	0.27	mg/Kg	☼	10/09/15 11:23	10/12/15 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 136				10/09/15 11:23	10/12/15 14:24	1
4-Bromofluorobenzene (Surr)	105		70 - 120				10/09/15 11:23	10/12/15 14:24	1
Toluene-d8 (Surr)	100		80 - 120				10/09/15 11:23	10/12/15 14:24	1
Trifluorotoluene (Surr)	103		65 - 140				10/09/15 11:23	10/12/15 14:24	1
Dibromofluoromethane (Surr)	97		75 - 132				10/09/15 11:23	10/12/15 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5100		270		mg/Kg	☼	10/12/15 12:34	10/13/15 07:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132		50 - 150				10/12/15 12:34	10/13/15 07:04	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)	3200		30		mg/Kg	☼	10/12/15 13:02	10/15/15 19:15	1
Motor Oil (>C24-C36)	180		60		mg/Kg	☼	10/12/15 13:02	10/15/15 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	119		50 - 150				10/12/15 13:02	10/15/15 19:15	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0		0.55		mg/Kg	☼	10/13/15 08:06	10/13/15 21:29	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10		%	-		10/13/15 10:17	1
Percent Moisture	19		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-66-2.5

Date Collected: 09/30/15 14:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-13

Matrix: Solid

Percent Solids: 78.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.93		0.0046	0.0046	mg/Kg	☼	10/09/15 11:23	10/10/15 00:07	1
Toluene	0.19		0.0034	0.0034	mg/Kg	☼	10/09/15 11:23	10/10/15 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		71 - 136				10/09/15 11:23	10/10/15 00:07	1
4-Bromofluorobenzene (Surr)	95		70 - 120				10/09/15 11:23	10/10/15 00:07	1
Toluene-d8 (Surr)	115		80 - 120				10/09/15 11:23	10/10/15 00:07	1
Trifluorotoluene (Surr)	93		65 - 140				10/09/15 11:23	10/10/15 00:07	1
Dibromofluoromethane (Surr)	99		75 - 132				10/09/15 11:23	10/10/15 00:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	31		0.26	0.26	mg/Kg	☼	10/09/15 11:23	10/12/15 14:51	1
Xylenes, Total	16		0.40	0.40	mg/Kg	☼	10/09/15 11:23	10/12/15 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		71 - 136				10/09/15 11:23	10/12/15 14:51	1
4-Bromofluorobenzene (Surr)	106		70 - 120				10/09/15 11:23	10/12/15 14:51	1
Toluene-d8 (Surr)	101		80 - 120				10/09/15 11:23	10/12/15 14:51	1
Trifluorotoluene (Surr)	105		65 - 140				10/09/15 11:23	10/12/15 14:51	1
Dibromofluoromethane (Surr)	100		75 - 132				10/09/15 11:23	10/12/15 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3000		260		mg/Kg	☼	10/12/15 12:34	10/13/15 07:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		50 - 150				10/12/15 12:34	10/13/15 07:38	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)	2800		31		mg/Kg	☼	10/12/15 13:02	10/15/15 19:36	1
Motor Oil (>C24-C36)	210		61		mg/Kg	☼	10/12/15 13:02	10/15/15 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	107		50 - 150				10/12/15 13:02	10/15/15 19:36	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.9		0.57		mg/Kg	☼	10/13/15 08:06	10/13/15 21:34	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78		0.10		%	-		10/13/15 10:17	1
Percent Moisture	22		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Percent Solids: 78.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.053	0.053	mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1
Toluene	0.057		0.040	0.040	mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1
Ethylbenzene	0.048		0.030	0.030	mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1
Xylenes, Total	0.056		0.046	0.046	mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		71 - 136	10/12/15 10:34	10/12/15 19:57	1
4-Bromofluorobenzene (Surr)	98		70 - 120	10/12/15 10:34	10/12/15 19:57	1
Toluene-d8 (Surr)	105		80 - 120	10/12/15 10:34	10/12/15 19:57	1
Trifluorotoluene (Surr)	96		65 - 140	10/12/15 10:34	10/12/15 19:57	1
Dibromofluoromethane (Surr)	94		75 - 132	10/12/15 10:34	10/12/15 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.1		mg/Kg	☼	10/12/15 12:34	10/13/15 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150	10/12/15 12:34	10/13/15 02:38	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		31		mg/Kg	☼	10/12/15 13:02	10/15/15 22:20	1
Motor Oil (>C24-C36)	ND		61		mg/Kg	☼	10/12/15 13:02	10/15/15 22:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	10/12/15 13:02	10/15/15 22:20	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.0		0.56		mg/Kg	☼	10/13/15 08:06	10/13/15 21:38	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10		%	-		10/13/15 10:17	1
Percent Moisture	21		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-61-5

Date Collected: 09/29/15 15:36

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-16

Matrix: Solid

Percent Solids: 95.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.043	0.043	mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1
Toluene	ND		0.032	0.032	mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1
Ethylbenzene	ND		0.024	0.024	mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1
Xylenes, Total	ND		0.037	0.037	mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	10/12/15 10:34	10/12/15 20:30	1
4-Bromofluorobenzene (Surr)	97		70 - 120	10/12/15 10:34	10/12/15 20:30	1
Toluene-d8 (Surr)	105		80 - 120	10/12/15 10:34	10/12/15 20:30	1
Trifluorotoluene (Surr)	94		65 - 140	10/12/15 10:34	10/12/15 20:30	1
Dibromofluoromethane (Surr)	98		75 - 132	10/12/15 10:34	10/12/15 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/13/15 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150	10/12/15 12:34	10/13/15 03:12	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		26		mg/Kg	☼	10/12/15 13:02	10/15/15 20:17	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	10/12/15 13:02	10/15/15 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	10/12/15 13:02	10/15/15 20:17	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.97		0.47		mg/Kg	☼	10/13/15 08:06	10/13/15 21:43	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%	-		10/13/15 10:17	1
Percent Moisture	4.5		0.10		%			10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-62-5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.043	0.043	mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1
Toluene	ND		0.032	0.032	mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1
Ethylbenzene	ND		0.024	0.024	mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1
Xylenes, Total	ND		0.036	0.036	mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	10/12/15 10:34	10/12/15 21:03	1
4-Bromofluorobenzene (Surr)	96		70 - 120	10/12/15 10:34	10/12/15 21:03	1
Toluene-d8 (Surr)	106		80 - 120	10/12/15 10:34	10/12/15 21:03	1
Trifluorotoluene (Surr)	100		65 - 140	10/12/15 10:34	10/12/15 21:03	1
Dibromofluoromethane (Surr)	98		75 - 132	10/12/15 10:34	10/12/15 21:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/13/15 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150	10/12/15 12:34	10/13/15 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		27		mg/Kg	☼	10/12/15 13:02	10/15/15 20:37	1
Motor Oil (>C24-C36)	ND		55		mg/Kg	☼	10/12/15 13:02	10/15/15 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	10/12/15 13:02	10/15/15 20:37	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.88		0.48		mg/Kg	☼	10/13/15 08:06	10/13/15 21:47	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%	-		10/13/15 10:17	1
Percent Moisture	9.4		0.10		%			10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-63-5

Date Collected: 09/29/15 16:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-18

Matrix: Solid

Percent Solids: 76.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.049	0.049	mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1
Toluene	ND		0.036	0.036	mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1
Ethylbenzene	ND		0.028	0.028	mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1
Xylenes, Total	ND		0.042	0.042	mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136				10/12/15 10:34	10/12/15 21:36	1
4-Bromofluorobenzene (Surr)	97		70 - 120				10/12/15 10:34	10/12/15 21:36	1
Toluene-d8 (Surr)	103		80 - 120				10/12/15 10:34	10/12/15 21:36	1
Trifluorotoluene (Surr)	98		65 - 140				10/12/15 10:34	10/12/15 21:36	1
Dibromofluoromethane (Surr)	94		75 - 132				10/12/15 10:34	10/12/15 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.5		mg/Kg	☼	10/12/15 12:34	10/13/15 04:18	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150				10/12/15 12:34	10/13/15 04:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		32		mg/Kg	☼	10/12/15 13:02	10/15/15 20:58	1
Motor Oil (>C24-C36)	ND		65		mg/Kg	☼	10/12/15 13:02	10/15/15 20:58	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150				10/12/15 13:02	10/15/15 20:58	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.58		mg/Kg	☼	10/13/15 08:06	10/13/15 21:52	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%	-		10/13/15 10:17	1
Percent Moisture	23		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-202892/1-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 202892

Analyte	MB Result	MB Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0035	0.0035	mg/Kg		10/09/15 11:23	10/09/15 12:00	1
Toluene	ND		0.0026	0.0026	mg/Kg		10/09/15 11:23	10/09/15 12:00	1
Ethylbenzene	ND		0.0020	0.0020	mg/Kg		10/09/15 11:23	10/09/15 12:00	1
Xylenes, Total	ND		0.0030	0.0030	mg/Kg		10/09/15 11:23	10/09/15 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 136	10/09/15 11:23	10/09/15 12:00	1
4-Bromofluorobenzene (Surr)	98		70 - 120	10/09/15 11:23	10/09/15 12:00	1
Toluene-d8 (Surr)	105		80 - 120	10/09/15 11:23	10/09/15 12:00	1
Trifluorotoluene (Surr)	101		65 - 140	10/09/15 11:23	10/09/15 12:00	1
Dibromofluoromethane (Surr)	96		75 - 132	10/09/15 11:23	10/09/15 12:00	1

Lab Sample ID: LCS 580-202892/2-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 202892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.803	0.726		mg/Kg		90	70 - 128
Toluene	0.801	0.736		mg/Kg		92	75 - 126
Ethylbenzene	0.803	0.751		mg/Kg		94	78 - 126
m-Xylene & p-Xylene	0.802	0.754		mg/Kg		94	78 - 126
o-Xylene	0.801	0.741		mg/Kg		92	77 - 127
Methyl tert-butyl ether	0.801	0.664		mg/Kg		83	65 - 125
Xylenes, Total	1.60	1.50		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		71 - 136
4-Bromofluorobenzene (Surr)	101		70 - 120
Toluene-d8 (Surr)	101		80 - 120
Trifluorotoluene (Surr)	102		65 - 140
Dibromofluoromethane (Surr)	99		75 - 132

Lab Sample ID: LCSD 580-202892/3-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 202892

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.803	0.745		mg/Kg		93	70 - 128	3	19
Toluene	0.801	0.759		mg/Kg		95	75 - 126	3	19
Ethylbenzene	0.803	0.777		mg/Kg		97	78 - 126	3	23
m-Xylene & p-Xylene	0.802	0.777		mg/Kg		97	78 - 126	3	23
o-Xylene	0.801	0.755		mg/Kg		94	77 - 127	2	22
Methyl tert-butyl ether	0.801	0.692		mg/Kg		86	65 - 125	4	30
Xylenes, Total	1.60	1.53		mg/Kg		96	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		71 - 136

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: LCSD 580-202892/3-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 202892

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 120
Toluene-d8 (Surr)	101		80 - 120
Trifluorotoluene (Surr)	102		65 - 140
Dibromofluoromethane (Surr)	98		75 - 132

Lab Sample ID: MB 580-203073/1-A

Matrix: Solid

Analysis Batch: 203053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203073

Analyte	MB Result	MB Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0035	0.0035	mg/Kg		10/12/15 10:34	10/12/15 12:37	1
Toluene	ND		0.0026	0.0026	mg/Kg		10/12/15 10:34	10/12/15 12:37	1
Ethylbenzene	ND		0.0020	0.0020	mg/Kg		10/12/15 10:34	10/12/15 12:37	1
Xylenes, Total	ND		0.0030	0.0030	mg/Kg		10/12/15 10:34	10/12/15 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	10/12/15 10:34	10/12/15 12:37	1
4-Bromofluorobenzene (Surr)	96		70 - 120	10/12/15 10:34	10/12/15 12:37	1
Toluene-d8 (Surr)	106		80 - 120	10/12/15 10:34	10/12/15 12:37	1
Trifluorotoluene (Surr)	97		65 - 140	10/12/15 10:34	10/12/15 12:37	1
Dibromofluoromethane (Surr)	98		75 - 132	10/12/15 10:34	10/12/15 12:37	1

Lab Sample ID: LCS 580-203073/2-A

Matrix: Solid

Analysis Batch: 203053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.803	0.741		mg/Kg		92	70 - 128
Toluene	0.801	0.783		mg/Kg		98	75 - 126
Ethylbenzene	0.803	0.773		mg/Kg		96	78 - 126
m-Xylene & p-Xylene	0.802	0.796		mg/Kg		99	78 - 126
o-Xylene	0.801	0.777		mg/Kg		97	77 - 127
Methyl tert-butyl ether	0.801	0.712		mg/Kg		89	65 - 125
Xylenes, Total	1.60	1.57		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		71 - 136
4-Bromofluorobenzene (Surr)	98		70 - 120
Toluene-d8 (Surr)	105		80 - 120
Trifluorotoluene (Surr)	100		65 - 140
Dibromofluoromethane (Surr)	96		75 - 132

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: LCSD 580-203073/3-A

Matrix: Solid

Analysis Batch: 203053

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 203073

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.803	0.744		mg/Kg		93	70 - 128	0	19
Toluene	0.801	0.774		mg/Kg		97	75 - 126	1	19
Ethylbenzene	0.803	0.755		mg/Kg		94	78 - 126	2	23
m-Xylene & p-Xylene	0.802	0.782		mg/Kg		98	78 - 126	2	23
o-Xylene	0.801	0.779		mg/Kg		97	77 - 127	0	22
Methyl tert-butyl ether	0.801	0.687		mg/Kg		86	65 - 125	4	30
Xylenes, Total	1.60	1.56		mg/Kg		97	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		71 - 136
4-Bromofluorobenzene (Surr)	99		70 - 120
Toluene-d8 (Surr)	102		80 - 120
Trifluorotoluene (Surr)	102		65 - 140
Dibromofluoromethane (Surr)	96		75 - 132

Lab Sample ID: MB 580-203469/1-A

Matrix: Solid

Analysis Batch: 203450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203469

Analyte	MB Result	MB Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00391		0.0035	0.0035	mg/Kg		10/15/15 12:26	10/15/15 14:05	1
Toluene	0.00636		0.0026	0.0026	mg/Kg		10/15/15 12:26	10/15/15 14:05	1
Ethylbenzene	0.00809		0.0020	0.0020	mg/Kg		10/15/15 12:26	10/15/15 14:05	1
Xylenes, Total	0.00503		0.0030	0.0030	mg/Kg		10/15/15 12:26	10/15/15 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 136	10/15/15 12:26	10/15/15 14:05	1
4-Bromofluorobenzene (Surr)	100		70 - 120	10/15/15 12:26	10/15/15 14:05	1
Toluene-d8 (Surr)	100		80 - 120	10/15/15 12:26	10/15/15 14:05	1
Trifluorotoluene (Surr)	94		65 - 140	10/15/15 12:26	10/15/15 14:05	1
Dibromofluoromethane (Surr)	95		75 - 132	10/15/15 12:26	10/15/15 14:05	1

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

Lab Sample ID: MB 580-203085/1-A

Matrix: Solid

Analysis Batch: 203132

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		10/12/15 12:34	10/12/15 18:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150	10/12/15 12:34	10/12/15 18:21	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: LCS 580-203085/2-A

Matrix: Solid

Analysis Batch: 203132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203085

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline			40.0	34.3		mg/Kg		86	68 - 120		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		50 - 150								

Lab Sample ID: LCSD 580-203085/3-A

Matrix: Solid

Analysis Batch: 203132

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 203085

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			40.0	35.8		mg/Kg		90	68 - 120	4	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		50 - 150								

Lab Sample ID: MB 580-203228/1-A

Matrix: Solid

Analysis Batch: 203258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		10/13/15 15:49	10/13/15 21:31	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150				10/13/15 15:49	10/13/15 21:31	1

Lab Sample ID: LCS 580-203228/2-A

Matrix: Solid

Analysis Batch: 203258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203228

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			40.0	33.1		mg/Kg		83	68 - 120		
Surrogate			LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)			99		50 - 150						

Lab Sample ID: LCSD 580-203228/3-A

Matrix: Solid

Analysis Batch: 203258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 203228

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline			40.0	32.5		mg/Kg		81	68 - 120	2	25
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		50 - 150								

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: MB 580-203092/1-B

Matrix: Solid

Analysis Batch: 203289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		10/12/15 13:02	10/14/15 12:36	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		10/12/15 13:02	10/14/15 12:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150				10/12/15 13:02	10/14/15 12:36	1

Lab Sample ID: LCS 580-203092/2-B

Matrix: Solid

Analysis Batch: 203289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203092

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	500	473		mg/Kg		95	64 - 127		
Motor Oil (>C24-C36)	502	509		mg/Kg		101	70 - 125		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	90		50 - 150						

Lab Sample ID: LCSD 580-203092/3-B

Matrix: Solid

Analysis Batch: 203289

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 203092

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)	500	473		mg/Kg		94	64 - 127	0	16
Motor Oil (>C24-C36)	502	506		mg/Kg		101	70 - 125	1	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	90		50 - 150						

Lab Sample ID: 580-53953-18 DU

Matrix: Solid

Analysis Batch: 203454

Client Sample ID: MW-63-5

Prep Type: Total/NA

Prep Batch: 203092

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
#2 Diesel (C10-C24)	ND		ND		mg/Kg	☼	NC	35
Motor Oil (>C24-C36)	ND		ND		mg/Kg	☼	NC	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
o-Terphenyl	78		50 - 150					

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 580-203149/21-A

Matrix: Solid

Analysis Batch: 203264

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		10/13/15 08:06	10/13/15 19:35	10

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

Lab Sample ID: LCS 580-203149/22-A
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203149
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	50.0	45.3		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 580-203149/23-A
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203149
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	50.0	46.0		mg/Kg		92	80 - 120	2	20

Lab Sample ID: 580-53953-1 MS
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: MW-55-5
Prep Type: Total/NA
Prep Batch: 203149
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	3.3		52.8	57.5		mg/Kg	✱	103	80 - 120

Lab Sample ID: 580-53953-1 MSD
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: MW-55-5
Prep Type: Total/NA
Prep Batch: 203149
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	3.3		52.8	56.4		mg/Kg	✱	101	80 - 120	2	20

Lab Sample ID: 580-53953-1 DU
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: MW-55-5
Prep Type: Total/NA
Prep Batch: 203149
%Rec.

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lead	3.3		3.54		mg/Kg	✱	9	20

Method: D 2216 - Percent Moisture

Lab Sample ID: 580-53953-18 DU
Matrix: Solid
Analysis Batch: 203165

Client Sample ID: MW-63-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Solids	77		77		%		0	20
Percent Moisture	23		23		%		0.1	20

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-55-5

Date Collected: 09/28/15 12:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-55-5

Date Collected: 09/28/15 12:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-1

Matrix: Solid

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 16:57	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 21:07	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 13:38	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 19:53	FCW	TAL SEA

Client Sample ID: MW-56-2.5

Date Collected: 09/28/15 14:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-56-2.5

Date Collected: 09/28/15 14:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-2

Matrix: Solid

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 17:24	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 21:40	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 13:58	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:29	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-57-3

Date Collected: 09/28/15 15:05

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-57-3

Date Collected: 09/28/15 15:05

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-3

Matrix: Solid

Percent Solids: 72.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 17:51	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 22:13	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 14:19	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:34	FCW	TAL SEA

Client Sample ID: MW-58-2.5

Date Collected: 09/29/15 09:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-58-2.5

Date Collected: 09/29/15 09:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-4

Matrix: Solid

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 18:18	CJ	TAL SEA
Total/NA	Prep	5035			203228	10/13/15 15:49	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203258	10/13/15 23:11	D1R	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	203454	10/15/15 18:55	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:39	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-58-5

Date Collected: 09/29/15 09:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-58-5

Date Collected: 09/29/15 09:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-5

Matrix: Solid

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 18:45	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 23:52	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 15:00	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:43	FCW	TAL SEA

Client Sample ID: MW-59-2.5

Date Collected: 09/29/15 10:15

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-59-2.5

Date Collected: 09/29/15 10:15

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-6

Matrix: Solid

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 19:12	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 00:26	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 15:21	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:48	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-59-5

Date Collected: 09/29/15 10:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-59-5

Date Collected: 09/29/15 10:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-7

Matrix: Solid

Percent Solids: 71.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 19:39	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 00:59	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 15:42	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:52	FCW	TAL SEA

Client Sample ID: MW-60-2.5

Date Collected: 09/29/15 11:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-60-2.5

Date Collected: 09/29/15 11:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-8

Matrix: Solid

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 20:05	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 01:32	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 17:53	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:57	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-60-5

Date Collected: 09/29/15 11:25

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-60-5

Date Collected: 09/29/15 11:25

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-9

Matrix: Solid

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 20:33	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 02:05	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 18:14	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:01	FCW	TAL SEA

Client Sample ID: MW-64-2.5

Date Collected: 09/30/15 10:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-64-2.5

Date Collected: 09/30/15 10:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-10

Matrix: Solid

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 20:59	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 05:58	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 18:34	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:06	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-2.5

Lab Sample ID: 580-53953-11

Date Collected: 09/30/15 13:20

Matrix: Solid

Date Received: 10/01/15 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-65-2.5

Lab Sample ID: 580-53953-11

Date Collected: 09/30/15 13:20

Matrix: Solid

Date Received: 10/01/15 12:45

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	DL2		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL2	1	203450	10/15/15 12:26	D1R	TAL SEA
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 23:14	CJ	TAL SEA
Total/NA	Prep	5035	DL		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL	1	203060	10/12/15 13:57	TL1	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 06:31	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	203454	10/15/15 19:56	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:11	FCW	TAL SEA

Client Sample ID: MW-65-5

Lab Sample ID: 580-53953-12

Date Collected: 09/30/15 13:30

Matrix: Solid

Date Received: 10/01/15 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-65-5

Lab Sample ID: 580-53953-12

Date Collected: 09/30/15 13:30

Matrix: Solid

Date Received: 10/01/15 12:45

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 23:40	CJ	TAL SEA
Total/NA	Prep	5035	DL		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL	1	203060	10/12/15 14:24	TL1	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 07:04	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 19:15	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-5

Date Collected: 09/30/15 13:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-12

Matrix: Solid

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		10	203264	10/13/15 21:29	FCW	TAL SEA

Client Sample ID: MW-66-2.5

Date Collected: 09/30/15 14:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-66-2.5

Date Collected: 09/30/15 14:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-13

Matrix: Solid

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/10/15 00:07	CJ	TAL SEA
Total/NA	Prep	5035	DL		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL	1	203060	10/12/15 14:51	TL1	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 07:38	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 19:36	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:34	FCW	TAL SEA

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 19:57	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 02:38	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 22:20	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:38	FCW	TAL SEA

Client Sample ID: MW-61-5

Date Collected: 09/29/15 15:36

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-61-5

Date Collected: 09/29/15 15:36

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-16

Matrix: Solid

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 20:30	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 03:12	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 20:17	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:43	FCW	TAL SEA

Client Sample ID: MW-62-5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-62-5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 21:03	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 03:45	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-62-5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 20:37	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:47	FCW	TAL SEA

Client Sample ID: MW-63-5

Date Collected: 09/29/15 16:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-63-5

Date Collected: 09/29/15 16:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-18

Matrix: Solid

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 21:36	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 04:18	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 20:58	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:52	FCW	TAL SEA

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 580-53953-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-17
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-16
US Fish & Wildlife	Federal		LE058448-0	02-28-16
USDA	Federal		P330-14-00126	04-08-17
Washington	State Program	10	C553	02-17-16

Sample Summary

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

TestAmerica Job ID: 580-53953-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-53953-1	MW-55-5	Solid	09/28/15 12:20	10/01/15 12:45
580-53953-2	MW-56-2.5	Solid	09/28/15 14:10	10/01/15 12:45
580-53953-3	MW-57-3	Solid	09/28/15 15:05	10/01/15 12:45
580-53953-4	MW-58-2.5	Solid	09/29/15 09:00	10/01/15 12:45
580-53953-5	MW-58-5	Solid	09/29/15 09:10	10/01/15 12:45
580-53953-6	MW-59-2.5	Solid	09/29/15 10:15	10/01/15 12:45
580-53953-7	MW-59-5	Solid	09/29/15 10:20	10/01/15 12:45
580-53953-8	MW-60-2.5	Solid	09/29/15 11:20	10/01/15 12:45
580-53953-9	MW-60-5	Solid	09/29/15 11:25	10/01/15 12:45
580-53953-10	MW-64-2.5	Solid	09/30/15 10:50	10/01/15 12:45
580-53953-11	MW-65-2.5	Solid	09/30/15 13:20	10/01/15 12:45
580-53953-12	MW-65-5	Solid	09/30/15 13:30	10/01/15 12:45
580-53953-13	MW-66-2.5	Solid	09/30/15 14:50	10/01/15 12:45
580-53953-15	MW-61-2.5	Solid	09/29/15 15:30	10/01/15 12:45
580-53953-16	MW-61-5	Solid	09/29/15 15:36	10/01/15 12:45
580-53953-17	MW-62-5	Solid	09/29/15 16:00	10/01/15 12:45
580-53953-18	MW-63-5	Solid	09/29/15 16:20	10/01/15 12:45

Laboratory Management Program LAMP Chain of Custody Record

188770

Page 1 of 2

BP/ARC Project Name: ALYNDIC DIPE LINE CO
BP/ARC Facility No: ALLEN STATION

Req Due Date (mm/dd/yy): STANDARD
Lab Work Order Number: 53953

Rush TAT: Yes No X

Lab Name: <u>TEST AMERICA</u>	BP/ARC Facility Address: <u>16292 EVERETT RD</u>	Consultant/Contractor: <u>ANTRA GROUP</u>
Lab Address: <u>TACOMA, WA</u>	City, State, ZIP Code: <u>MT. VERNON, WA</u>	Consultant/Contractor Project No: <u>WAHLER A152</u>
Lab PM: <u>ROBERT GYER</u>	Lead Regulatory Agency: <u>WA DEPT OF ECOLOGY</u>	Address: <u>4006 148TH AVE NE - REDMOND, WA</u>
Lab Phone: <u>253.922.2310</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>008VC-0002/WL 290704</u>	Phone: <u>425.498.7711</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: <u>Provision</u> <u>XX</u> OOC-BU OOC-RM	Email EDD To: <u>MEGAN.RICHARD@ANTRAGROUP.COM</u>
Other Info:	Stage: <u>Execute (40) Activity: Project Start (80)</u>	Invoice To: <u>BP/ARC</u> Contractor: <u>ANTRA GROUP</u>

BP/ARC EBM: Paul Supple				Matrix				No. Containers / Preservative						Requested Analyses				Report Type & QC Level	
EBM Phone: 925.275.3001																		Standard _____	
EBM Email: Paul.Supple@bp.com																		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	PH-G; NMPH-GX	NMPH-DX w/silica	BTX 8200B	BTX 1400 W20	Comments Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description. TB #2 Cooler — Cor 5g Unc 6.0 ^c Cooler Desc: Blended @ Lab 1540 Wet/Packs Packing 8.661c w/θ		
-1	MW-55-5	9-28-15	1220	X			2	1				1	X	X	X	X			
	MW-56-2.5	9-28-15	1410	X			2	1				1	X	X	X	X			
-3	MW-57-3	9-28-15	1505	X			2	1				1	X	X	X	X			
	MW-58-2.5	9-29-15	0900	X			2	1				1	X	X	X	X			
-5	MW-58-5	9-29-15	0910	X			2	1				1	X	X	X	X			
	MW-59-2.5	9-29-15	1015	X			2	1				1	X	X	X	X			
-7	MW-59-5	9-29-15	1020	X			2	1				1	X	X	X	X			
	MW-60-2.5	9-29-15	1120	X			2	1				1	X	X	X	X			
-9	MW-60-5	9-29-15	1125	X			2	1				1	X	X	X	X			
	MW-64-2.5	9-30-15	1050	X			2	1				1	X	X	X	X			

Sampler's Name: <u>TRACY ROBERTS / UNEN</u>	Relinquished By / Affiliation: <u>ROBERTA / ANTRA</u>	Date: <u>10/15/2015</u>	Time: <u>1245</u>
Sampler's Company: <u>ANTRA</u>	Accepted By / Affiliation: <u>TRACY / TASHA</u>	Date: <u>10/11/15</u>	Time: <u>1245</u>
Shipment Method: <u>CONVEYER</u>	Ship Date: <u>10/11/15</u>		
Shipment Tracking No:			
Special Instructions:			
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No Temp Blank: Yes / No Cooler Temp on Laboratory Copy			
MS/MSD Sample Submitted: Yes / No			



Laboratory Management Program LaMP Chain of Custody Record

188774

Page 2 of 2

BP/ARC Project Name: OLYMPIC PIPELINE CO. Req Due Date (mm/dd/yy): STANDARD Rush TAT: Yes No X
BP/ARC Facility No: ANEN STATION Lab Work Order Number: 53953

Lab Name: <u>TEST AMERICA</u>	BP/ARC Facility Address: <u>16292 OVENELL RD</u>	Consultant/Contractor: <u>ANTRA GROUP</u>
Lab Address: <u>TACOMA, WA</u>	City, State, ZIP Code: <u>INT. VERNON, WA</u>	Consultant/Contractor Project No: <u>WAAUGA152</u>
Lab PM: <u>ROBERT GARDNER</u>	Lead Regulatory Agency: <u>WA DEPARTMENT OF</u>	Address: <u>4000 149TH AVE NE, REDMOND, WA</u>
Lab Phone: <u>253.922.2310</u>	California Global ID No: <u>—</u>	Consultant/Contractor PM: <u>MEGAN RICHARD</u>
Lab Shipping Acct: <u>NA</u>	Enfos Proposal No: <u>008VC-0002/W290704</u>	Phone: <u>425.498.7711</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: <u>Provision</u> <u>X</u> OOC-BU <u>—</u> OOC-RM <u>—</u>	Email EDD To: <u>MEGAN.RICHARD@ANTRAGROUP.COM</u>
Other Info:	Stage: <u>execute (40)</u> Activity: <u>PROJECT SPEND (80)</u>	Invoice To: <u>BP/ARC</u> Contractor <u>COM</u>

Lab No.	Sample Description	Date	Time	Matrix						No. Containers / Preservative				Requested Analyses				Report Type & QC Level	
				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HCl	Methanol	NMTPH-6x	NMTPH-DX Silica gel	BTX 826DB	TOTAL LEAD (20)	Standard		Full Data Package	
-11	MW-65-2.5	9-30-15	1320	X			2	1			1	X	X	X	X				
	MW-65-5	9-30-15	1330	X			2	1			1	X	X	X	X				
-13	MW-66-2.5	9-30-15	1450	X			2	1			1	X	X	X	X				
	Composite-1	9-30-15	1545	X			2	2				X	X	X	X				
	MW-61-2.5	9-29-15	1530																
	MW-61-5	9-29-15	1536																
	MW-62-5	9-29-15	1600																
	MW-63-5	9-29-15	1620																
	Trip Blank	9-29-15	0001																

Sampler's Name: <u>TRAYLOR ROBERTS / LAUREN</u>	Relinquished By / Affiliation: <u>ROBERTS / ANTRA</u>	Date: <u>10/11/15</u>	Time: <u>1245</u>
Sampler's Company: <u>ANTRA</u>	Ship Date: <u>10/11/15</u>		
Shipment Method: <u>CONSIGNEE</u>			
Shipment Tracking No:			
Special Instructions:			
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No			
Temp Blank: Yes / No			
Cooler Temp on Receipt: °F/C			
Trip Blank: Yes / No			
MS/MSD Sample Submitted: Yes / No			

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-53953-1

Login Number: 53953

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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: 580-53953-1

Client Project/Site: OPLC - Allen Station

For:

Antea USA, Inc.

4006 148th Ave NE

Redmond, Washington 98052

Attn: Mackie Stock



Authorized for release by:

10/22/2015 6:08:28 PM

Robert Greer, Project Manager I

(253)922-2310

robert.greer@testamericainc.com

LINKS

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results through

TotalAccess

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www.testamericainc.com

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

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

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

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The results listed 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 Chain of Custody is included and is an integral part of this report.



Robert Greer
Project Manager I
10/22/2015 6:08:28 PM



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Case Narrative

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

TestAmerica Job ID: 580-53953-1

Job ID: 580-53953-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-53953-1

Comments

No additional comments.

Receipt

The samples were received on 10/1/2015 12:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9° C.

Except:

Sample listed Composite-1 has been put on hold as per COC.

GC/MS VOA

Method(s) 8260B: The following samples was diluted due to the abundance of non-target analytes: MW-59-2.5 (580-53953-6), MW-65-2.5 (580-53953-11), MW-65-5 (580-53953-12) and MW-66-2.5 (580-53953-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Laboratory samples MW-1-2.5 (580-53953-15), MW-61-5 (580-53953-16), MW-62-.5 (580-53953-17) and MW-63-5 (580-53953-18) were inadvertently prepped at a 10X dilution. Due to limited holding time remaining after initial analysis the samples could not be analyzed at 1X within holding time. The samples are reported with raised reporting limits.

Method(s) 8260B: Reanalysis of the following sample was performed outside of the analytical holding time due to the result exceed calibration range. MW-65-2.5 (580-53953-11).

Method(s) 8260B: Surrogate Toluene-d8 recovery for the following sample was outside upper control limits: MW-65-2.5 (580-53953-11). Evidence of matrix interference is present; the surrogate was within QC limits in the diluted analysis.

Method(s) 8260B: The target analyte Ethylbenzene was outside the upper calibration range in the diluted analysis (DL). The further diluted (DL2) analysis occurred outside analytical holding time therefore the in hold (E) flagged analysis is reported as the primary result and the further diluted analysis is reported as a secondary result.

Method(s) NWTPH-Gx: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-58-5 (580-53953-5), MW-59-2.5 (580-53953-6), MW-65-2.5 (580-53953-11), MW-65-5 (580-53953-12) and MW-66-2.5 (580-53953-13). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: Surrogate recovery for the following sample was outside control limits: MW-65-2.5 (580-53953-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The following sample was analyzed at reduced volume due to high concentrations of target analytes: MW-58-2.5 (580-53953-4). The calculation was done using an initial volume adjustment rather than a dilution factor. The reporting limits have been elevated by the appropriate factor.

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 surrogate recovery o-terphenyl recovered below control limits for the following samples: MW-56-2.5 (580-53953-2).

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

Metals

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

General Chemistry

Case Narrative

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

TestAmerica Job ID: 580-53953-1

Job ID: 580-53953-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

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

Organic Prep

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

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Definitions/Glossary

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

TestAmerica Job ID: 580-53953-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-55-5

Date Collected: 09/28/15 12:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-1

Matrix: Solid

Percent Solids: 82.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020		mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1
Toluene	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1
Ethylbenzene	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1
Methyl tert-butyl ether	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1
Xylenes, Total	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	10/09/15 11:23	10/09/15 16:57	1
4-Bromofluorobenzene (Surr)	102		70 - 120	10/09/15 11:23	10/09/15 16:57	1
Toluene-d8 (Surr)	99		80 - 120	10/09/15 11:23	10/09/15 16:57	1
Trifluorotoluene (Surr)	96		65 - 140	10/09/15 11:23	10/09/15 16:57	1
Dibromofluoromethane (Surr)	97		75 - 132	10/09/15 11:23	10/09/15 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/12/15 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150	10/12/15 12:34	10/12/15 21:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		30		mg/Kg	☼	10/12/15 13:02	10/14/15 13:38	1
Motor Oil (>C24-C36)	ND		59		mg/Kg	☼	10/12/15 13:02	10/14/15 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	10/12/15 13:02	10/14/15 13:38	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		0.53		mg/Kg	☼	10/13/15 08:06	10/13/15 19:53	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%	-		10/13/15 10:17	1
Percent Moisture	17		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-56-2.5

Date Collected: 09/28/15 14:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-2

Matrix: Solid

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1
Toluene	ND		0.057		mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1
Ethylbenzene	ND		0.057		mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1
Methyl tert-butyl ether	ND		0.057		mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1
Xylenes, Total	ND		0.057		mg/Kg	☼	10/09/15 11:23	10/09/15 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	10/09/15 11:23	10/09/15 17:24	1
4-Bromofluorobenzene (Surr)	102		70 - 120	10/09/15 11:23	10/09/15 17:24	1
Toluene-d8 (Surr)	100		80 - 120	10/09/15 11:23	10/09/15 17:24	1
Trifluorotoluene (Surr)	96		65 - 140	10/09/15 11:23	10/09/15 17:24	1
Dibromofluoromethane (Surr)	97		75 - 132	10/09/15 11:23	10/09/15 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.7		mg/Kg	☼	10/12/15 12:34	10/12/15 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150	10/12/15 12:34	10/12/15 21:40	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		31		mg/Kg	☼	10/12/15 13:02	10/14/15 13:58	1
Motor Oil (>C24-C36)	ND		62		mg/Kg	☼	10/12/15 13:02	10/14/15 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	33	X	50 - 150	10/12/15 13:02	10/14/15 13:58	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2		0.57		mg/Kg	☼	10/13/15 08:06	10/13/15 20:29	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%	-		10/13/15 10:17	1
Percent Moisture	23		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-57-3

Date Collected: 09/28/15 15:05

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-3

Matrix: Solid

Percent Solids: 72.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1
Toluene	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1
Ethylbenzene	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1
Methyl tert-butyl ether	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1
Xylenes, Total	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	10/09/15 11:23	10/09/15 17:51	1
4-Bromofluorobenzene (Surr)	101		70 - 120	10/09/15 11:23	10/09/15 17:51	1
Toluene-d8 (Surr)	102		80 - 120	10/09/15 11:23	10/09/15 17:51	1
Trifluorotoluene (Surr)	93		65 - 140	10/09/15 11:23	10/09/15 17:51	1
Dibromofluoromethane (Surr)	101		75 - 132	10/09/15 11:23	10/09/15 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.8		mg/Kg	☼	10/12/15 12:34	10/12/15 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150	10/12/15 12:34	10/12/15 22:13	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		33		mg/Kg	☼	10/12/15 13:02	10/14/15 14:19	1
Motor Oil (>C24-C36)	ND		67		mg/Kg	☼	10/12/15 13:02	10/14/15 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	10/12/15 13:02	10/14/15 14:19	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.9		0.59		mg/Kg	☼	10/13/15 08:06	10/13/15 20:34	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72		0.10		%	-		10/13/15 10:17	1
Percent Moisture	28		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-58-2.5

Date Collected: 09/29/15 09:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-4

Matrix: Solid

Percent Solids: 90.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1
Toluene	ND		0.048		mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1
Ethylbenzene	ND		0.048		mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1
Methyl tert-butyl ether	ND		0.048		mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1
Xylenes, Total	ND		0.048		mg/Kg	☼	10/09/15 11:23	10/09/15 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		71 - 136	10/09/15 11:23	10/09/15 18:18	1
4-Bromofluorobenzene (Surr)	88		70 - 120	10/09/15 11:23	10/09/15 18:18	1
Toluene-d8 (Surr)	104		80 - 120	10/09/15 11:23	10/09/15 18:18	1
Trifluorotoluene (Surr)	96		65 - 140	10/09/15 11:23	10/09/15 18:18	1
Dibromofluoromethane (Surr)	106		75 - 132	10/09/15 11:23	10/09/15 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	530		51		mg/Kg	☼	10/13/15 15:49	10/13/15 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		50 - 150	10/13/15 15:49	10/13/15 23:11	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)	13000		270		mg/Kg	☼	10/12/15 13:02	10/15/15 18:55	10
Motor Oil (>C24-C36)	560		540		mg/Kg	☼	10/12/15 13:02	10/15/15 18:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	147		50 - 150	10/12/15 13:02	10/15/15 18:55	10

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.5		0.50		mg/Kg	☼	10/13/15 08:06	10/13/15 20:39	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%	-		10/13/15 10:17	1
Percent Moisture	10		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-58-5

Date Collected: 09/29/15 09:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-5

Matrix: Solid

Percent Solids: 91.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017		mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1
Toluene	ND		0.042		mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1
Ethylbenzene	ND		0.042		mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1
Methyl tert-butyl ether	ND		0.042		mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1
Xylenes, Total	ND		0.042		mg/Kg	☼	10/09/15 11:23	10/09/15 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	10/09/15 11:23	10/09/15 18:45	1
4-Bromofluorobenzene (Surr)	110		70 - 120	10/09/15 11:23	10/09/15 18:45	1
Toluene-d8 (Surr)	98		80 - 120	10/09/15 11:23	10/09/15 18:45	1
Trifluorotoluene (Surr)	99		65 - 140	10/09/15 11:23	10/09/15 18:45	1
Dibromofluoromethane (Surr)	98		75 - 132	10/09/15 11:23	10/09/15 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2000		210		mg/Kg	☼	10/12/15 12:34	10/12/15 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		50 - 150	10/12/15 12:34	10/12/15 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3900		27		mg/Kg	☼	10/12/15 13:02	10/14/15 15:00	1
Motor Oil (>C24-C36)	160		54		mg/Kg	☼	10/12/15 13:02	10/14/15 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	110		50 - 150	10/12/15 13:02	10/14/15 15:00	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		0.49		mg/Kg	☼	10/13/15 08:06	10/13/15 20:43	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%	-		10/13/15 10:17	1
Percent Moisture	8.7		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-59-2.5

Date Collected: 09/29/15 10:15

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-6

Matrix: Solid

Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020		mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1
Toluene	ND		0.051		mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1
Ethylbenzene	ND		0.051		mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1
Methyl tert-butyl ether	ND		0.051		mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1
Xylenes, Total	ND		0.051		mg/Kg	☼	10/09/15 11:23	10/09/15 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		71 - 136	10/09/15 11:23	10/09/15 19:12	1
4-Bromofluorobenzene (Surr)	82		70 - 120	10/09/15 11:23	10/09/15 19:12	1
Toluene-d8 (Surr)	115		80 - 120	10/09/15 11:23	10/09/15 19:12	1
Trifluorotoluene (Surr)	99		65 - 140	10/09/15 11:23	10/09/15 19:12	1
Dibromofluoromethane (Surr)	111		75 - 132	10/09/15 11:23	10/09/15 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5500		260		mg/Kg	☼	10/12/15 12:34	10/13/15 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		50 - 150	10/12/15 12:34	10/13/15 00:26	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)	11000		28		mg/Kg	☼	10/12/15 13:02	10/14/15 15:21	1
Motor Oil (>C24-C36)	330		57		mg/Kg	☼	10/12/15 13:02	10/14/15 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	147		50 - 150	10/12/15 13:02	10/14/15 15:21	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.7		0.52		mg/Kg	☼	10/13/15 08:06	10/13/15 20:48	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%	-		10/13/15 10:17	1
Percent Moisture	14		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-59-5

Date Collected: 09/29/15 10:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-7

Matrix: Solid

Percent Solids: 71.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1
Toluene	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1
Ethylbenzene	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1
Methyl tert-butyl ether	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1
Xylenes, Total	ND		0.058		mg/Kg	☼	10/09/15 11:23	10/09/15 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		71 - 136	10/09/15 11:23	10/09/15 19:39	1
4-Bromofluorobenzene (Surr)	103		70 - 120	10/09/15 11:23	10/09/15 19:39	1
Toluene-d8 (Surr)	103		80 - 120	10/09/15 11:23	10/09/15 19:39	1
Trifluorotoluene (Surr)	94		65 - 140	10/09/15 11:23	10/09/15 19:39	1
Dibromofluoromethane (Surr)	103		75 - 132	10/09/15 11:23	10/09/15 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	32		5.8		mg/Kg	☼	10/12/15 12:34	10/13/15 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	10/12/15 12:34	10/13/15 00:59	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)	62		34		mg/Kg	☼	10/12/15 13:02	10/14/15 15:42	1
Motor Oil (>C24-C36)	ND		68		mg/Kg	☼	10/12/15 13:02	10/14/15 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	10/12/15 13:02	10/14/15 15:42	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4		0.62		mg/Kg	☼	10/13/15 08:06	10/13/15 20:52	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	71		0.10		%	-		10/13/15 10:17	1
Percent Moisture	29		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-60-2.5

Date Collected: 09/29/15 11:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-8

Matrix: Solid

Percent Solids: 83.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021		mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1
Toluene	ND		0.054		mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1
Ethylbenzene	ND		0.054		mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1
Methyl tert-butyl ether	ND		0.054		mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1
Xylenes, Total	ND		0.054		mg/Kg	☼	10/09/15 11:23	10/09/15 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 136	10/09/15 11:23	10/09/15 20:05	1
4-Bromofluorobenzene (Surr)	101		70 - 120	10/09/15 11:23	10/09/15 20:05	1
Toluene-d8 (Surr)	102		80 - 120	10/09/15 11:23	10/09/15 20:05	1
Trifluorotoluene (Surr)	93		65 - 140	10/09/15 11:23	10/09/15 20:05	1
Dibromofluoromethane (Surr)	101		75 - 132	10/09/15 11:23	10/09/15 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.4		mg/Kg	☼	10/12/15 12:34	10/13/15 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150	10/12/15 12:34	10/13/15 01:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		29		mg/Kg	☼	10/12/15 13:02	10/15/15 17:53	1
Motor Oil (>C24-C36)	ND		59		mg/Kg	☼	10/12/15 13:02	10/15/15 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	10/12/15 13:02	10/15/15 17:53	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.8		0.52		mg/Kg	☼	10/13/15 08:06	10/13/15 20:57	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10		%	-		10/13/15 10:17	1
Percent Moisture	16		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-60-5

Date Collected: 09/29/15 11:25

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-9

Matrix: Solid

Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1
Toluene	ND		0.045		mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1
Ethylbenzene	ND		0.045		mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1
Methyl tert-butyl ether	ND		0.045		mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1
Xylenes, Total	ND		0.045		mg/Kg	☼	10/09/15 11:23	10/09/15 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		71 - 136	10/09/15 11:23	10/09/15 20:33	1
4-Bromofluorobenzene (Surr)	103		70 - 120	10/09/15 11:23	10/09/15 20:33	1
Toluene-d8 (Surr)	98		80 - 120	10/09/15 11:23	10/09/15 20:33	1
Trifluorotoluene (Surr)	93		65 - 140	10/09/15 11:23	10/09/15 20:33	1
Dibromofluoromethane (Surr)	101		75 - 132	10/09/15 11:23	10/09/15 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.5		mg/Kg	☼	10/12/15 12:34	10/13/15 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150	10/12/15 12:34	10/13/15 02:05	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		29		mg/Kg	☼	10/12/15 13:02	10/15/15 18:14	1
Motor Oil (>C24-C36)	ND		57		mg/Kg	☼	10/12/15 13:02	10/15/15 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	10/12/15 13:02	10/15/15 18:14	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.6		0.53		mg/Kg	☼	10/13/15 08:06	10/13/15 21:01	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10		%	-		10/13/15 10:17	1
Percent Moisture	16		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-64-2.5

Date Collected: 09/30/15 10:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-10

Matrix: Solid

Percent Solids: 89.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020		mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1
Toluene	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1
Ethylbenzene	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1
Methyl tert-butyl ether	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1
Xylenes, Total	ND		0.049		mg/Kg	☼	10/09/15 11:23	10/09/15 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		71 - 136	10/09/15 11:23	10/09/15 20:59	1
4-Bromofluorobenzene (Surr)	102		70 - 120	10/09/15 11:23	10/09/15 20:59	1
Toluene-d8 (Surr)	104		80 - 120	10/09/15 11:23	10/09/15 20:59	1
Trifluorotoluene (Surr)	94		65 - 140	10/09/15 11:23	10/09/15 20:59	1
Dibromofluoromethane (Surr)	103		75 - 132	10/09/15 11:23	10/09/15 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/13/15 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150	10/12/15 12:34	10/13/15 05:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	53		27		mg/Kg	☼	10/12/15 13:02	10/15/15 18:34	1
Motor Oil (>C24-C36)	ND		55		mg/Kg	☼	10/12/15 13:02	10/15/15 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	10/12/15 13:02	10/15/15 18:34	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.7		0.49		mg/Kg	☼	10/13/15 08:06	10/13/15 21:06	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%	-		10/13/15 10:17	1
Percent Moisture	11		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-2.5

Date Collected: 09/30/15 13:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-11

Matrix: Solid

Percent Solids: 86.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.1		0.050		mg/Kg	☼	10/09/15 11:23	10/09/15 23:14	1
Methyl tert-butyl ether	ND		0.050		mg/Kg	☼	10/09/15 11:23	10/09/15 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		71 - 136				10/09/15 11:23	10/09/15 23:14	1
4-Bromofluorobenzene (Surr)	89		70 - 120				10/09/15 11:23	10/09/15 23:14	1
Toluene-d8 (Surr)	124	X	80 - 120				10/09/15 11:23	10/09/15 23:14	1
Trifluorotoluene (Surr)	91		65 - 140				10/09/15 11:23	10/09/15 23:14	1
Dibromofluoromethane (Surr)	98		75 - 132				10/09/15 11:23	10/09/15 23:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	24		0.40		mg/Kg	☼	10/09/15 11:23	10/12/15 13:57	1
Ethylbenzene	230	E	0.99		mg/Kg	☼	10/09/15 11:23	10/12/15 13:57	1
Xylenes, Total	38		0.99		mg/Kg	☼	10/09/15 11:23	10/12/15 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136				10/09/15 11:23	10/12/15 13:57	1
4-Bromofluorobenzene (Surr)	92		70 - 120				10/09/15 11:23	10/12/15 13:57	1
Toluene-d8 (Surr)	111		80 - 120				10/09/15 11:23	10/12/15 13:57	1
Trifluorotoluene (Surr)	102		65 - 140				10/09/15 11:23	10/12/15 13:57	1
Dibromofluoromethane (Surr)	98		75 - 132				10/09/15 11:23	10/12/15 13:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	260	H	5.0		mg/Kg	☼	10/09/15 11:23	10/15/15 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 136				10/09/15 11:23	10/15/15 12:26	1
4-Bromofluorobenzene (Surr)	105		70 - 120				10/09/15 11:23	10/15/15 12:26	1
Toluene-d8 (Surr)	100		80 - 120				10/09/15 11:23	10/15/15 12:26	1
Trifluorotoluene (Surr)	96		65 - 140				10/09/15 11:23	10/15/15 12:26	1
Dibromofluoromethane (Surr)	95		75 - 132				10/09/15 11:23	10/15/15 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11000		250		mg/Kg	☼	10/12/15 12:34	10/13/15 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	194	X	50 - 150				10/12/15 12:34	10/13/15 06:31	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)	12000		280		mg/Kg	☼	10/12/15 13:02	10/15/15 19:56	10
Motor Oil (>C24-C36)	ND		550		mg/Kg	☼	10/12/15 13:02	10/15/15 19:56	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	117		50 - 150				10/12/15 13:02	10/15/15 19:56	10

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		0.50		mg/Kg	☼	10/13/15 08:06	10/13/15 21:11	10

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			10/13/15 10:17	1
Percent Moisture	14		0.10		%			10/13/15 10:17	1

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-5

Lab Sample ID: 580-53953-12

Date Collected: 09/30/15 13:30

Matrix: Solid

Date Received: 10/01/15 12:45

Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.0		0.021		mg/Kg	☼	10/09/15 11:23	10/09/15 23:40	1
Toluene	0.23		0.053		mg/Kg	☼	10/09/15 11:23	10/09/15 23:40	1
Methyl tert-butyl ether	ND		0.053		mg/Kg	☼	10/09/15 11:23	10/09/15 23:40	1
Xylenes, Total	1.5		0.053		mg/Kg	☼	10/09/15 11:23	10/09/15 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		71 - 136	10/09/15 11:23	10/09/15 23:40	1
4-Bromofluorobenzene (Surr)	112		70 - 120	10/09/15 11:23	10/09/15 23:40	1
Toluene-d8 (Surr)	115		80 - 120	10/09/15 11:23	10/09/15 23:40	1
Trifluorotoluene (Surr)	93		65 - 140	10/09/15 11:23	10/09/15 23:40	1
Dibromofluoromethane (Surr)	97		75 - 132	10/09/15 11:23	10/09/15 23:40	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	110		5.3		mg/Kg	☼	10/09/15 11:23	10/12/15 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 136	10/09/15 11:23	10/12/15 14:24	1
4-Bromofluorobenzene (Surr)	105		70 - 120	10/09/15 11:23	10/12/15 14:24	1
Toluene-d8 (Surr)	100		80 - 120	10/09/15 11:23	10/12/15 14:24	1
Trifluorotoluene (Surr)	103		65 - 140	10/09/15 11:23	10/12/15 14:24	1
Dibromofluoromethane (Surr)	97		75 - 132	10/09/15 11:23	10/12/15 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5100		270		mg/Kg	☼	10/12/15 12:34	10/13/15 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132		50 - 150	10/12/15 12:34	10/13/15 07:04	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)	3200		30		mg/Kg	☼	10/12/15 13:02	10/15/15 19:15	1
Motor Oil (>C24-C36)	180		60		mg/Kg	☼	10/12/15 13:02	10/15/15 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	119		50 - 150	10/12/15 13:02	10/15/15 19:15	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0		0.55		mg/Kg	☼	10/13/15 08:06	10/13/15 21:29	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10		%	-		10/13/15 10:17	1
Percent Moisture	19		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-66-2.5

Date Collected: 09/30/15 14:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-13

Matrix: Solid

Percent Solids: 78.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.93		0.021		mg/Kg	☼	10/09/15 11:23	10/10/15 00:07	1
Toluene	0.19		0.053		mg/Kg	☼	10/09/15 11:23	10/10/15 00:07	1
Methyl tert-butyl ether	ND		0.053		mg/Kg	☼	10/09/15 11:23	10/10/15 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		71 - 136	10/09/15 11:23	10/10/15 00:07	1
4-Bromofluorobenzene (Surr)	95		70 - 120	10/09/15 11:23	10/10/15 00:07	1
Toluene-d8 (Surr)	115		80 - 120	10/09/15 11:23	10/10/15 00:07	1
Trifluorotoluene (Surr)	93		65 - 140	10/09/15 11:23	10/10/15 00:07	1
Dibromofluoromethane (Surr)	99		75 - 132	10/09/15 11:23	10/10/15 00:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	31		5.3		mg/Kg	☼	10/09/15 11:23	10/12/15 14:51	1
Xylenes, Total	15		5.3		mg/Kg	☼	10/09/15 11:23	10/12/15 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		71 - 136	10/09/15 11:23	10/12/15 14:51	1
4-Bromofluorobenzene (Surr)	106		70 - 120	10/09/15 11:23	10/12/15 14:51	1
Toluene-d8 (Surr)	101		80 - 120	10/09/15 11:23	10/12/15 14:51	1
Trifluorotoluene (Surr)	105		65 - 140	10/09/15 11:23	10/12/15 14:51	1
Dibromofluoromethane (Surr)	100		75 - 132	10/09/15 11:23	10/12/15 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3000		260		mg/Kg	☼	10/12/15 12:34	10/13/15 07:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		50 - 150	10/12/15 12:34	10/13/15 07:38	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)	2800		31		mg/Kg	☼	10/12/15 13:02	10/15/15 19:36	1
Motor Oil (>C24-C36)	210		61		mg/Kg	☼	10/12/15 13:02	10/15/15 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	107		50 - 150	10/12/15 13:02	10/15/15 19:36	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.9		0.57		mg/Kg	☼	10/13/15 08:06	10/13/15 21:34	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78		0.10		%			10/13/15 10:17	1
Percent Moisture	22		0.10		%			10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Percent Solids: 78.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.24		mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1
Toluene	ND		0.61		mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1
Ethylbenzene	ND		0.61		mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1
Methyl tert-butyl ether	ND		0.61		mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1
Xylenes, Total	ND		0.61		mg/Kg	☼	10/12/15 10:34	10/12/15 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		71 - 136	10/12/15 10:34	10/12/15 19:57	1
4-Bromofluorobenzene (Surr)	98		70 - 120	10/12/15 10:34	10/12/15 19:57	1
Toluene-d8 (Surr)	105		80 - 120	10/12/15 10:34	10/12/15 19:57	1
Trifluorotoluene (Surr)	96		65 - 140	10/12/15 10:34	10/12/15 19:57	1
Dibromofluoromethane (Surr)	94		75 - 132	10/12/15 10:34	10/12/15 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.1		mg/Kg	☼	10/12/15 12:34	10/13/15 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150	10/12/15 12:34	10/13/15 02:38	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		31		mg/Kg	☼	10/12/15 13:02	10/15/15 22:20	1
Motor Oil (>C24-C36)	ND		61		mg/Kg	☼	10/12/15 13:02	10/15/15 22:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	10/12/15 13:02	10/15/15 22:20	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.0		0.56		mg/Kg	☼	10/13/15 08:06	10/13/15 21:38	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10		%	-		10/13/15 10:17	1
Percent Moisture	21		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-61-5

Date Collected: 09/29/15 15:36

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-16

Matrix: Solid

Percent Solids: 95.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20		mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1
Toluene	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1
Ethylbenzene	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1
Methyl tert-butyl ether	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1
Xylenes, Total	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	10/12/15 10:34	10/12/15 20:30	1
4-Bromofluorobenzene (Surr)	97		70 - 120	10/12/15 10:34	10/12/15 20:30	1
Toluene-d8 (Surr)	105		80 - 120	10/12/15 10:34	10/12/15 20:30	1
Trifluorotoluene (Surr)	94		65 - 140	10/12/15 10:34	10/12/15 20:30	1
Dibromofluoromethane (Surr)	98		75 - 132	10/12/15 10:34	10/12/15 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/13/15 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150	10/12/15 12:34	10/13/15 03:12	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		26		mg/Kg	☼	10/12/15 13:02	10/15/15 20:17	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	10/12/15 13:02	10/15/15 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	10/12/15 13:02	10/15/15 20:17	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.97		0.47		mg/Kg	☼	10/13/15 08:06	10/13/15 21:43	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%	-		10/13/15 10:17	1
Percent Moisture	4.5		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-62-.5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.19		mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1
Toluene	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1
Ethylbenzene	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1
Methyl tert-butyl ether	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1
Xylenes, Total	ND		0.49		mg/Kg	☼	10/12/15 10:34	10/12/15 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	10/12/15 10:34	10/12/15 21:03	1
4-Bromofluorobenzene (Surr)	96		70 - 120	10/12/15 10:34	10/12/15 21:03	1
Toluene-d8 (Surr)	106		80 - 120	10/12/15 10:34	10/12/15 21:03	1
Trifluorotoluene (Surr)	100		65 - 140	10/12/15 10:34	10/12/15 21:03	1
Dibromofluoromethane (Surr)	98		75 - 132	10/12/15 10:34	10/12/15 21:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.9		mg/Kg	☼	10/12/15 12:34	10/13/15 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150	10/12/15 12:34	10/13/15 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		27		mg/Kg	☼	10/12/15 13:02	10/15/15 20:37	1
Motor Oil (>C24-C36)	ND		55		mg/Kg	☼	10/12/15 13:02	10/15/15 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	10/12/15 13:02	10/15/15 20:37	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.88		0.48		mg/Kg	☼	10/13/15 08:06	10/13/15 21:47	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%	-		10/13/15 10:17	1
Percent Moisture	9.4		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-63-5

Date Collected: 09/29/15 16:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-18

Matrix: Solid

Percent Solids: 76.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.22		mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1
Toluene	ND		0.55		mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1
Ethylbenzene	ND		0.55		mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1
Methyl tert-butyl ether	ND		0.55		mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1
Xylenes, Total	ND		0.55		mg/Kg	☼	10/12/15 10:34	10/12/15 21:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	10/12/15 10:34	10/12/15 21:36	1
4-Bromofluorobenzene (Surr)	97		70 - 120	10/12/15 10:34	10/12/15 21:36	1
Toluene-d8 (Surr)	103		80 - 120	10/12/15 10:34	10/12/15 21:36	1
Trifluorotoluene (Surr)	98		65 - 140	10/12/15 10:34	10/12/15 21:36	1
Dibromofluoromethane (Surr)	94		75 - 132	10/12/15 10:34	10/12/15 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.5		mg/Kg	☼	10/12/15 12:34	10/13/15 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150	10/12/15 12:34	10/13/15 04:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		32		mg/Kg	☼	10/12/15 13:02	10/15/15 20:58	1
Motor Oil (>C24-C36)	ND		65		mg/Kg	☼	10/12/15 13:02	10/15/15 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150	10/12/15 13:02	10/15/15 20:58	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.58		mg/Kg	☼	10/13/15 08:06	10/13/15 21:52	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%	-		10/13/15 10:17	1
Percent Moisture	23		0.10		%	-		10/13/15 10:17	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-202892/1-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 202892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016		mg/Kg		10/09/15 11:23	10/09/15 12:00	1
Toluene	ND		0.040		mg/Kg		10/09/15 11:23	10/09/15 12:00	1
Ethylbenzene	ND		0.040		mg/Kg		10/09/15 11:23	10/09/15 12:00	1
Methyl tert-butyl ether	ND		0.040		mg/Kg		10/09/15 11:23	10/09/15 12:00	1
Xylenes, Total	ND		0.040		mg/Kg		10/09/15 11:23	10/09/15 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 136	10/09/15 11:23	10/09/15 12:00	1
4-Bromofluorobenzene (Surr)	98		70 - 120	10/09/15 11:23	10/09/15 12:00	1
Toluene-d8 (Surr)	105		80 - 120	10/09/15 11:23	10/09/15 12:00	1
Trifluorotoluene (Surr)	101		65 - 140	10/09/15 11:23	10/09/15 12:00	1
Dibromofluoromethane (Surr)	96		75 - 132	10/09/15 11:23	10/09/15 12:00	1

Lab Sample ID: LCS 580-202892/2-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 202892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.803	0.726		mg/Kg		90	70 - 128
Toluene	0.801	0.736		mg/Kg		92	75 - 126
Ethylbenzene	0.803	0.751		mg/Kg		94	78 - 126
m-Xylene & p-Xylene	0.802	0.754		mg/Kg		94	78 - 126
o-Xylene	0.801	0.741		mg/Kg		92	77 - 127
Methyl tert-butyl ether	0.801	0.664		mg/Kg		83	65 - 125
Xylenes, Total	1.60	1.50		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		71 - 136
4-Bromofluorobenzene (Surr)	101		70 - 120
Toluene-d8 (Surr)	101		80 - 120
Trifluorotoluene (Surr)	102		65 - 140
Dibromofluoromethane (Surr)	99		75 - 132

Lab Sample ID: LCSD 580-202892/3-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 202892

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.803	0.745		mg/Kg		93	70 - 128	3	19
Toluene	0.801	0.759		mg/Kg		95	75 - 126	3	19
Ethylbenzene	0.803	0.777		mg/Kg		97	78 - 126	3	23
m-Xylene & p-Xylene	0.802	0.777		mg/Kg		97	78 - 126	3	23
o-Xylene	0.801	0.755		mg/Kg		94	77 - 127	2	22
Methyl tert-butyl ether	0.801	0.692		mg/Kg		86	65 - 125	4	30
Xylenes, Total	1.60	1.53		mg/Kg		96	70 - 130	2	30

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: LCSD 580-202892/3-A

Matrix: Solid

Analysis Batch: 202866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 202892

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		71 - 136
4-Bromofluorobenzene (Surr)	101		70 - 120
Toluene-d8 (Surr)	101		80 - 120
Trifluorotoluene (Surr)	102		65 - 140
Dibromofluoromethane (Surr)	98		75 - 132

Lab Sample ID: MB 580-203073/1-A

Matrix: Solid

Analysis Batch: 203053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016		mg/Kg		10/12/15 10:34	10/12/15 12:37	1
Toluene	ND		0.040		mg/Kg		10/12/15 10:34	10/12/15 12:37	1
Ethylbenzene	ND		0.040		mg/Kg		10/12/15 10:34	10/12/15 12:37	1
Methyl tert-butyl ether	ND		0.040		mg/Kg		10/12/15 10:34	10/12/15 12:37	1
Xylenes, Total	ND		0.040		mg/Kg		10/12/15 10:34	10/12/15 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	10/12/15 10:34	10/12/15 12:37	1
4-Bromofluorobenzene (Surr)	96		70 - 120	10/12/15 10:34	10/12/15 12:37	1
Toluene-d8 (Surr)	106		80 - 120	10/12/15 10:34	10/12/15 12:37	1
Trifluorotoluene (Surr)	97		65 - 140	10/12/15 10:34	10/12/15 12:37	1
Dibromofluoromethane (Surr)	98		75 - 132	10/12/15 10:34	10/12/15 12:37	1

Lab Sample ID: LCS 580-203073/2-A

Matrix: Solid

Analysis Batch: 203053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.803	0.741		mg/Kg		92	70 - 128
Toluene	0.801	0.783		mg/Kg		98	75 - 126
Ethylbenzene	0.803	0.773		mg/Kg		96	78 - 126
m-Xylene & p-Xylene	0.802	0.796		mg/Kg		99	78 - 126
o-Xylene	0.801	0.777		mg/Kg		97	77 - 127
Methyl tert-butyl ether	0.801	0.712		mg/Kg		89	65 - 125
Xylenes, Total	1.60	1.57		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		71 - 136
4-Bromofluorobenzene (Surr)	98		70 - 120
Toluene-d8 (Surr)	105		80 - 120
Trifluorotoluene (Surr)	100		65 - 140
Dibromofluoromethane (Surr)	96		75 - 132

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: LCSD 580-203073/3-A

Matrix: Solid

Analysis Batch: 203053

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 203073

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.803	0.744		mg/Kg		93	70 - 128	0	19
Toluene	0.801	0.774		mg/Kg		97	75 - 126	1	19
Ethylbenzene	0.803	0.755		mg/Kg		94	78 - 126	2	23
m-Xylene & p-Xylene	0.802	0.782		mg/Kg		98	78 - 126	2	23
o-Xylene	0.801	0.779		mg/Kg		97	77 - 127	0	22
Methyl tert-butyl ether	0.801	0.687		mg/Kg		86	65 - 125	4	30
Xylenes, Total	1.60	1.56		mg/Kg		97	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		71 - 136
4-Bromofluorobenzene (Surr)	99		70 - 120
Toluene-d8 (Surr)	102		80 - 120
Trifluorotoluene (Surr)	102		65 - 140
Dibromofluoromethane (Surr)	96		75 - 132

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

Lab Sample ID: MB 580-203085/1-A

Matrix: Solid

Analysis Batch: 203132

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		10/12/15 12:34	10/12/15 18:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150	10/12/15 12:34	10/12/15 18:21	1

Lab Sample ID: LCS 580-203085/2-A

Matrix: Solid

Analysis Batch: 203132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	40.0	34.3		mg/Kg		86	68 - 120

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

Lab Sample ID: LCSD 580-203085/3-A

Matrix: Solid

Analysis Batch: 203132

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 203085

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	40.0	35.8		mg/Kg		90	68 - 120	4	25

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

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: MB 580-203228/1-A

Matrix: Solid

Analysis Batch: 203258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		10/13/15 15:49	10/13/15 21:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150				10/13/15 15:49	10/13/15 21:31	1

Lab Sample ID: LCS 580-203228/2-A

Matrix: Solid

Analysis Batch: 203258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
Gasoline	40.0	33.1		mg/Kg		83	68 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		50 - 150						

Lab Sample ID: LCSD 580-203228/3-A

Matrix: Solid

Analysis Batch: 203258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 203228

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline	40.0	32.5		mg/Kg		81	68 - 120	2	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	97		50 - 150						

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

Lab Sample ID: MB 580-203092/1-B

Matrix: Solid

Analysis Batch: 203289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		10/12/15 13:02	10/14/15 12:36	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		10/12/15 13:02	10/14/15 12:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150				10/12/15 13:02	10/14/15 12:36	1

Lab Sample ID: LCS 580-203092/2-B

Matrix: Solid

Analysis Batch: 203289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203092

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	500	473		mg/Kg		95	64 - 127		
Motor Oil (>C24-C36)	502	509		mg/Kg		101	70 - 125		

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: LCS 580-203092/2-B
Matrix: Solid
Analysis Batch: 203289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203092

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	90		50 - 150

Lab Sample ID: LCSD 580-203092/3-B
Matrix: Solid
Analysis Batch: 203289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203092

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	473		mg/Kg		94	64 - 127	0	16
Motor Oil (>C24-C36)	502	506		mg/Kg		101	70 - 125	1	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	90		50 - 150						

Lab Sample ID: 580-53953-18 DU
Matrix: Solid
Analysis Batch: 203454

Client Sample ID: MW-63-5
Prep Type: Total/NA
Prep Batch: 203092

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
#2 Diesel (C10-C24)	ND		ND		mg/Kg	✱	NC	35
Motor Oil (>C24-C36)	ND		ND		mg/Kg	✱	NC	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
o-Terphenyl	78		50 - 150					

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 580-203149/21-A
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		10/13/15 08:06	10/13/15 19:35	10

Lab Sample ID: LCS 580-203149/22-A
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	45.3		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 580-203149/23-A
Matrix: Solid
Analysis Batch: 203264

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203149

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	50.0	46.0		mg/Kg		92	80 - 120	2	20

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-53953-1

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

Lab Sample ID: 580-53953-1 MS

Matrix: Solid

Analysis Batch: 203264

Client Sample ID: MW-55-5

Prep Type: Total/NA

Prep Batch: 203149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3.3		52.8	57.5		mg/Kg	☼	103	80 - 120

Lab Sample ID: 580-53953-1 MSD

Matrix: Solid

Analysis Batch: 203264

Client Sample ID: MW-55-5

Prep Type: Total/NA

Prep Batch: 203149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3.3		52.8	56.4		mg/Kg	☼	101	80 - 120	2	20

Lab Sample ID: 580-53953-1 DU

Matrix: Solid

Analysis Batch: 203264

Client Sample ID: MW-55-5

Prep Type: Total/NA

Prep Batch: 203149

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	3.3		3.54		mg/Kg	☼	9	20

Method: D 2216 - Percent Moisture

Lab Sample ID: 580-53953-18 DU

Matrix: Solid

Analysis Batch: 203165

Client Sample ID: MW-63-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	77		77		%		0	20
Percent Moisture	23		23		%		0.1	20

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-55-5

Date Collected: 09/28/15 12:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-55-5

Date Collected: 09/28/15 12:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-1

Matrix: Solid

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 16:57	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 21:07	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 13:38	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 19:53	FCW	TAL SEA

Client Sample ID: MW-56-2.5

Date Collected: 09/28/15 14:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-56-2.5

Date Collected: 09/28/15 14:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-2

Matrix: Solid

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 17:24	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 21:40	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 13:58	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:29	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-57-3

Date Collected: 09/28/15 15:05

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-57-3

Date Collected: 09/28/15 15:05

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-3

Matrix: Solid

Percent Solids: 72.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 17:51	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 22:13	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 14:19	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:34	FCW	TAL SEA

Client Sample ID: MW-58-2.5

Date Collected: 09/29/15 09:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-58-2.5

Date Collected: 09/29/15 09:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-4

Matrix: Solid

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 18:18	CJ	TAL SEA
Total/NA	Prep	5035			203228	10/13/15 15:49	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203258	10/13/15 23:11	D1R	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	203454	10/15/15 18:55	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:39	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-58-5

Date Collected: 09/29/15 09:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-58-5

Date Collected: 09/29/15 09:10

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-5

Matrix: Solid

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 18:45	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/12/15 23:52	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 15:00	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:43	FCW	TAL SEA

Client Sample ID: MW-59-2.5

Date Collected: 09/29/15 10:15

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-59-2.5

Date Collected: 09/29/15 10:15

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-6

Matrix: Solid

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 19:12	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 00:26	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 15:21	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:48	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-59-5

Date Collected: 09/29/15 10:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-59-5

Date Collected: 09/29/15 10:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-7

Matrix: Solid

Percent Solids: 71.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 19:39	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 00:59	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203289	10/14/15 15:42	JGM	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:52	FCW	TAL SEA

Client Sample ID: MW-60-2.5

Date Collected: 09/29/15 11:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-60-2.5

Date Collected: 09/29/15 11:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-8

Matrix: Solid

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 20:05	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 01:32	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 17:53	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 20:57	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-60-5

Date Collected: 09/29/15 11:25

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-60-5

Date Collected: 09/29/15 11:25

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-9

Matrix: Solid

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 20:33	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 02:05	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 18:14	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:01	FCW	TAL SEA

Client Sample ID: MW-64-2.5

Date Collected: 09/30/15 10:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-64-2.5

Date Collected: 09/30/15 10:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-10

Matrix: Solid

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 20:59	CJ	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 05:58	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 18:34	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:06	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-2.5

Lab Sample ID: 580-53953-11

Date Collected: 09/30/15 13:20

Matrix: Solid

Date Received: 10/01/15 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-65-2.5

Lab Sample ID: 580-53953-11

Date Collected: 09/30/15 13:20

Matrix: Solid

Date Received: 10/01/15 12:45

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	DL2		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL2	1	203450	10/15/15 12:26	D1R	TAL SEA
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 23:14	CJ	TAL SEA
Total/NA	Prep	5035	DL		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL	1	203060	10/12/15 13:57	TL1	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 06:31	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	203454	10/15/15 19:56	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:11	FCW	TAL SEA

Client Sample ID: MW-65-5

Lab Sample ID: 580-53953-12

Date Collected: 09/30/15 13:30

Matrix: Solid

Date Received: 10/01/15 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-65-5

Lab Sample ID: 580-53953-12

Date Collected: 09/30/15 13:30

Matrix: Solid

Date Received: 10/01/15 12:45

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/09/15 23:40	CJ	TAL SEA
Total/NA	Prep	5035	DL		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL	1	203060	10/12/15 14:24	TL1	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 07:04	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 19:15	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-65-5

Date Collected: 09/30/15 13:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-12

Matrix: Solid

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		10	203264	10/13/15 21:29	FCW	TAL SEA

Client Sample ID: MW-66-2.5

Date Collected: 09/30/15 14:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-66-2.5

Date Collected: 09/30/15 14:50

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-13

Matrix: Solid

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B		1	202866	10/10/15 00:07	CJ	TAL SEA
Total/NA	Prep	5035	DL		202892	10/09/15 11:23	JMB	TAL SEA
Total/NA	Analysis	8260B	DL	1	203060	10/12/15 14:51	TL1	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 07:38	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 19:36	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:34	FCW	TAL SEA

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 19:57	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 02:38	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-61-2.5

Date Collected: 09/29/15 15:30

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-15

Matrix: Solid

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 22:20	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:38	FCW	TAL SEA

Client Sample ID: MW-61-5

Date Collected: 09/29/15 15:36

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-61-5

Date Collected: 09/29/15 15:36

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-16

Matrix: Solid

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 20:30	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 03:12	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 20:17	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:43	FCW	TAL SEA

Client Sample ID: MW-62-.5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-62-.5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 21:03	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 03:45	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-53953-1

Client Sample ID: MW-62-.5

Date Collected: 09/29/15 16:00

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-17

Matrix: Solid

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 20:37	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:47	FCW	TAL SEA

Client Sample ID: MW-63-5

Date Collected: 09/29/15 16:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	203165	10/13/15 10:17	S1X	TAL SEA

Client Sample ID: MW-63-5

Date Collected: 09/29/15 16:20

Date Received: 10/01/15 12:45

Lab Sample ID: 580-53953-18

Matrix: Solid

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			203073	10/12/15 10:34	CTT	TAL SEA
Total/NA	Analysis	8260B		1	203053	10/12/15 21:36	K1K	TAL SEA
Total/NA	Prep	5035			203085	10/12/15 12:34	HDK	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	203132	10/13/15 04:18	TL1	TAL SEA
Total/NA	Prep	3546			203092	10/12/15 13:02	DCV	TAL SEA
Total/NA	Cleanup	3630C			203499	10/15/15 15:41	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	203454	10/15/15 20:58	JGM	TAL SEA
Total/NA	Prep	3050B			203149	10/13/15 08:06	MKN	TAL SEA
Total/NA	Analysis	6020A		10	203264	10/13/15 21:52	FCW	TAL SEA

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 580-53953-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-17
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-16
US Fish & Wildlife	Federal		LE058448-0	02-28-16
USDA	Federal		P330-14-00126	04-08-17
Washington	State Program	10	C553	02-17-16

Sample Summary

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

TestAmerica Job ID: 580-53953-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-53953-1	MW-55-5	Solid	09/28/15 12:20	10/01/15 12:45
580-53953-2	MW-56-2.5	Solid	09/28/15 14:10	10/01/15 12:45
580-53953-3	MW-57-3	Solid	09/28/15 15:05	10/01/15 12:45
580-53953-4	MW-58-2.5	Solid	09/29/15 09:00	10/01/15 12:45
580-53953-5	MW-58-5	Solid	09/29/15 09:10	10/01/15 12:45
580-53953-6	MW-59-2.5	Solid	09/29/15 10:15	10/01/15 12:45
580-53953-7	MW-59-5	Solid	09/29/15 10:20	10/01/15 12:45
580-53953-8	MW-60-2.5	Solid	09/29/15 11:20	10/01/15 12:45
580-53953-9	MW-60-5	Solid	09/29/15 11:25	10/01/15 12:45
580-53953-10	MW-64-2.5	Solid	09/30/15 10:50	10/01/15 12:45
580-53953-11	MW-65-2.5	Solid	09/30/15 13:20	10/01/15 12:45
580-53953-12	MW-65-5	Solid	09/30/15 13:30	10/01/15 12:45
580-53953-13	MW-66-2.5	Solid	09/30/15 14:50	10/01/15 12:45
580-53953-15	MW-61-2.5	Solid	09/29/15 15:30	10/01/15 12:45
580-53953-16	MW-61-5	Solid	09/29/15 15:36	10/01/15 12:45
580-53953-17	MW-62-.5	Solid	09/29/15 16:00	10/01/15 12:45
580-53953-18	MW-63-5	Solid	09/29/15 16:20	10/01/15 12:45

Laboratory Management Program LAMP Chain of Custody Record

188770

Page 1 of 2

BP/ARC Project Name: ALYNDIC DIPE LINE CO
BP/ARC Facility No: ALLEN STATION

Req Due Date (mm/dd/yy): STANDARD
Lab Work Order Number: 53953

Rush TAT: Yes No X

Lab Name: <u>TEST AMERICA</u>	BP/ARC Facility Address: <u>16292 EVERETT RD</u>	Consultant/Contractor: <u>ANTRA GROUP</u>
Lab Address: <u>TACOMA, WA</u>	City, State, ZIP Code: <u>MT. VERNON, WA</u>	Consultant/Contractor Project No: <u>WAHLER A152</u>
Lab PM: <u>ROBERT GYLER</u>	Lead Regulatory Agency: <u>WA DEPT OF ECOLOGY</u>	Address: <u>4006 148TH AVE NE - REDMOND, WA</u>
Lab Phone: <u>253.922.2310</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>008VC-0002/WL 290704</u>	Phone: <u>425.498.7711</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: <u>Provision</u> <u>XX</u> <u>OOO-BU</u> <u>OOO-RM</u>	Email EDD To: <u>MEGAN.RICHARD@ANTRA.GROUP.COM</u>
Other Info:	Stage: <u>Execute (40) Project Start (80)</u>	Invoice To: <u>BP/ARC</u> <u>X</u> Contractor: <u>_____</u>

BPI/ARC EBM: Paul Supple				Matrix		No. Containers / Preservative						Requested Analyses					Report Type & QC Level	
EBM Phone: 925.275.3801																Standard		
EBM Email: Paul.Supple@bp.com																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	PH-G; NMPH-GX	NMPH-DX w/silica	BTX 8200B	BTX 1400 W20	Comments Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
-1	MW-55-5	9-28-15	1220	X			2	1				1	X	X	X	X		
	MW-56-2.5	9-28-15	1410	X			2	1				1	X	X	X	X		
-3	MW-57-3	9-28-15	1505	X			2	1				1	X	X	X	X		
	MW-58-2.5	9-29-15	0900	X			2	1				1	X	X	X	X		
-5	MW-58-5	9-29-15	0910	X			2	1				1	X	X	X	X		
	MW-59-2.5	9-29-15	1015	X			2	1				1	X	X	X	X		
-7	MW-59-5	9-29-15	1020	X			2	1				1	X	X	X	X		
	MW-60-2.5	9-29-15	1120	X			2	1				1	X	X	X	X		
-9	MW-60-5	9-29-15	1125	X			2	1				1	X	X	X	X		
	MW-64-2.5	9-30-15	1050	X			2	1				1	X	X	X	X		
TB #2 Cooler — Cor 5.9 Unc 6.0 °C																		
Cooler Desc 1.9 Blue/white @ Lab 15410																		
Wet/Packs Packing Bbbbc w/o																		

Sampler's Name: <u>TRACY ROBERTS / UNEN</u>	Relinquished By / Affiliation: <u>ROBERTA / ANTRA</u>	Date: <u>10/15/2015</u>	Time: <u>1245</u>
Sampler's Company: <u>ANTRA</u>	Accepted By / Affiliation: <u>ROBERTA / ANTRA</u>	Date: <u>10/11/15</u>	Time: <u>1245</u>
Shipment Method: <u>CONVEYER</u>	Ship Date: <u>10/11/15</u>		
Shipment Tracking No: _____			
Special Instructions:			
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No _____ Temp Blank: Yes / No _____ Cooler Temp on _____			
Laboratory Copy			



Laboratory Management Program LaMP Chain of Custody Record

188774

Page 2 of 2

BP/ARC Project Name: OLYMPIC PIPELINE CO.
BP/ARC Facility No: ANEN STATION

Req Due Date (mm/dd/yy): STANDARD
Lab Work Order Number: 53953

Rush TAT: Yes X No X

Lab Name: <u>TEST AMERICA</u>	BP/ARC Facility Address: <u>16292 OVENELL RD</u>	Consultant/Contractor: <u>ANTRA GROUP</u>
Lab Address: <u>TACOMA, WA</u>	City, State, ZIP Code: <u>INT. VERNON, WA</u>	Consultant/Contractor Project No: <u>WAAUGA152</u>
Lab PM: <u>ROBERT GARDNER</u>	Lead Regulatory Agency: <u>WA DEPARTMENT OF</u>	Address: <u>4000 149TH AVE NE, REDMOND, WA</u>
Lab Phone: <u>253.922.2310</u>	California Global ID No: <u>—</u>	Consultant/Contractor PM: <u>MEGAN RICHARD</u>
Lab Shipping Acct: <u>NA</u>	Enfos Proposal No: <u>008VC-0002/W290704</u>	Phone: <u>425.498.7711</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: <u>Provision</u>	Email EDD To: <u>MEGAN.RICHARD@ANTRAGROUP.COM</u>
Other Info:	Activity: <u>PROJECT SPEND (80)</u>	Invoice To: <u>BP/ARC</u>

Lab No.	Sample Description	Date	Time	Matrix						No. Containers / Preservative				Requested Analyses				Report Type & QC Level	
				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HCl	Methanol	NMTPH-6x	NMTPH-DX SilicaGel	BTX 826DB	TOTAL LEAD (200)	Standard		Full Data Package	
-11	MW-65-2.5	9-30-15	1320	X			2	1			1	X	X	X	X				
	MW-65-5	9-30-15	1330	X			2	1			1	X	X	X	X				
-13	MW-66-2.5	9-30-15	1450	X			2	1			1	X	X	X	X				
	Composite-1	9-30-15	1545	X			2	2				X	X	X	X				
	MW-61-2.5	9-29-15	1530																
	MW-61-5	9-29-15	1536																
	MW-62-5	9-29-15	1600																
	MW-63-5	9-29-15	1620																
	Trip Blank	9-29-15	0001																

Sampler's Name: <u>TRAYLOR ROBERTS / LAUREN</u>	Relinquished By / Affiliation: <u>ROBERTS / ANTRA</u>	Date: <u>10/11/15</u>	Time: <u>1245</u>
Sampler's Company: <u>ANTRA</u>	Ship Date: <u>10/11/15</u>		
Shipment Method: <u>CONSIGNEE</u>			
Shipment Tracking No:			
Special Instructions:			
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No			
Temp Blank: Yes / No			
Cooler Temp on Receipt: °F/C			
Trip Blank: Yes / No			
MS/MSD Sample Submitted: Yes / No			

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-53953-1

Login Number: 53953

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-51746-1

Client Project/Site: OPLC - Allen Station

Sampling Event: Allen Station

For:

Antea USA, Inc.

4006 148th Ave NE

Redmond, Washington 98052

Attn: Mackie Stock



Authorized for release by:

8/17/2015 10:16:04 AM

Robert Greer, Project Manager I

(253)922-2310

robert.greer@testamericainc.com

LINKS

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results through

TotalAccess

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www.testamericainc.com

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

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

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

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The results listed 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 Chain of Custody is included and is an integral part of this report.



Robert Greer
Project Manager I
8/17/2015 10:16:04 AM

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Case Narrative

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

TestAmerica Job ID: 580-51746-1

Job ID: 580-51746-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-51746-1

Comments

No additional comments.

Receipt

The samples were received on 7/15/2015 12:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were -0.4° C, 0.1° C, 0.4° C, 0.4° C, 0.7° C, 2.4° C and 3.0° C.

Receipt Exceptions

The chain of custody requests that Matrix Spike and Matrix Spike Dup be performed on sample MW-52_20150714 (580-51746-37) and that additional volume is being submitted for such analyses. However no additional volume was submitted for that sample.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) for batch analytical batch 580-195492 recovered outside control limits for the following analytes: multi analyte. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 195984 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 580-195984/2).

Method(s) 8260B: The laboratory control sample (LCS) for batch 195984 recovered outside control limits for the following analytes: Benzene, o-Xylene and Toluene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 195984 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 580-196010 recovered above the upper control limit for Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 580-196010/2).

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-196010 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260B: The following samples was diluted to bring the concentration of target analytes within the calibration range: Dup-1_20150714 (580-51746-5), MW-24_20150714 (580-51746-10), MW-25_20150714 (580-51746-11), MW-28_20150714 (580-51746-13), Dup-3_20150714 (580-51746-28), MW-45_20150714 (580-51746-31), MW-52_20150714 (580-51746-37) and Dup-4_20150714 (580-51746-40). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following samples was outside control limits: MW-21_20150714 (580-51746-7[MS]). Evidence of matrix interference is present; therefore, re-analysis was not performed.

Method(s) 8260B: Reanalysis of the following samples was performed outside of the analytical holding time due to multiple dilutions required. : MW-2_20150713 (580-51746-2), MW-19_20150713 (580-51746-3), MW-27_20150713 (580-51746-12), MW-29_20150713 (580-51746-14), MW-31_20150713 (580-51746-15), MW-32_20150714 (580-51746-16), MW-32_20150714 (580-51746-16[MS]), MW-32_20150714 (580-51746-16[MSD]), MW-35_20150713 (580-51746-19), MW-36_20150713 (580-51746-20), MW-42_20150714 (580-51746-26) and MW-43_20150714 (580-51746-27).

Method(s) 8260B: Reanalysis of the following samples were performed outside of the analytical holding time due to analytes recovering

Case Narrative

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

TestAmerica Job ID: 580-51746-1

Job ID: 580-51746-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

outside of calibration range during the initial analysis: MW-2_20150713 (580-51746-2), MW-19_20150713 (580-51746-3), MW-20_20150713 (580-51746-4), Dup-1_20150714 (580-51746-5), MW-21_20150714 (580-51746-7), MW-27_20150713 (580-51746-12), MW-29_20150713 (580-51746-14), MW-31_20150713 (580-51746-15), MW-32_20150714 (580-51746-16), MW-35_20150713 (580-51746-19), MW-36_20150713 (580-51746-20) and MW-52_20150714 (580-51746-37).

Method(s) 8260B: The following samples were reanalyzed due to analytes recovering outside of the calibration range during the initial run: MW-24_20150714 (580-51746-10), MW-25_20150714 (580-51746-11), MW-28_20150714 (580-51746-13), Dup-2_20150714 (580-51746-17) and Trip Blank-2_20150713 (580-51746-18).

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 580-197179 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 580-197179/2).

Method(s) 8260B: The following samples recovered outside of calibration range for these analytes at high dilutions:

Sample -15 (100x): m-xylene & p-xylene

Sample -19 (100x): Benzene and m-xylene & p-xylene

MW-31_20150713 (580-51746-15) and MW-35_20150713 (580-51746-19).

There was insufficient sample to perform a reanalysis, therefore the data have been reported.
See internal comments.

Method(s) 8260B: The following samples was diluted due to the abundance of non-target analytes: MW-41_20150714 (580-51746-25). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Due to the high concentration of o-Xylene, m,p-Xylene, Ethylbenzene and Benzene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 580-195235 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-195235 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260B: Reanalysis of the following samples was performed outside of the analytical holding time due to QC failures with hits in the samples and analytes recovering outside of the calibration range: MW-24_20150714 (580-51746-10[MS]), MW-24_20150714 (580-51746-10[MSD]) and MW-44_20150713 (580-51746-30).

Method(s) 8260B: Reanalysis of the following samples was performed outside of the analytical holding time due to QC failures and analytes recovering outside of the calibration range during the initial runs: MW-44_20150713 (580-51746-30) and MW-53_20150713 (580-51746-38).

Method(s) 8260B: The continuing calibration verification (CCV) for the CCCs 1,1-Dichloroethene associated with batch 580-115018 exceeded the method +/-20%D criteria. As such, all target compounds were evaluated to +/-20%D criteria. Several target compounds exceeded the +/-20%D criteria and indicated a potential high bias. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been flagged as appropriate and reported.

Method(s) NWTPH-Gx: Surrogate recovery for the following sample was outside control limits: Dup-4_20150714 (580-51746-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The continuing calibration verification (CCV) associated with batch 195926 recovered above the upper control limit for Gasoline. 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-37_20150713 (580-51746-21), MW-39_20150713 (580-51746-23), MW-40_20150713 (580-51746-24), MW-49_20150713 (580-51746-34), MW-50_20150713 (580-51746-35), MW-51_20150713 (580-51746-36) and (CCV 580-195926/15).

Case Narrative

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

TestAmerica Job ID: 580-51746-1

Job ID: 580-51746-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

Method(s) NWTPH-Gx: Surrogate 4-Bromofluorobenzene recovery for the following samples was outside control limits: MW-41_20150714 (580-51746-25), Dup-3_20150714 (580-51746-28), MW-44_20150713 (580-51746-30), MW-45_20150714 (580-51746-31) and MW-52_20150714 (580-51746-37). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: Surrogate recovery for the following samples was outside control limits: MW-19_20150713 (580-51746-3), MW-20_20150713 (580-51746-4), Dup-1_20150714 (580-51746-5), MW-21_20150714 (580-51746-7), MW-21_20150714 (580-51746-7[MS]), MW-21_20150714 (580-51746-7[MSD]), MW-22_20150713 (580-51746-8), MW-24_20150714 (580-51746-10), MW-24_20150714 (580-51746-10[MS]), MW-24_20150714 (580-51746-10[MSD]), MW-25_20150714 (580-51746-11), MW-27_20150713 (580-51746-12), MW-28_20150714 (580-51746-13), MW-28_20150714 (580-51746-13[MS]), MW-28_20150714 (580-51746-13[MSD]), MW-29_20150713 (580-51746-14), MW-32_20150714 (580-51746-16), MW-32_20150714 (580-51746-16[MS]) and MW-32_20150714 (580-51746-16[MSD]). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-31_20150713 (580-51746-15), MW-35_20150713 (580-51746-19) and MW-36_20150713 (580-51746-20). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: The following samples were analyzed outside of analytical holding time. MW-31_20150713 (580-51746-15), MW-35_20150713 (580-51746-19) and MW-36_20150713 (580-51746-20).

Method(s) NWTPH-Gx: Reanalysis of the following samples were performed outside of the analytical holding time. The in hold initial results that were over the instrument calibration limit have been reported as secondary. : MW-31_20150713 (580-51746-15), MW-35_20150713 (580-51746-19) and MW-36_20150713 (580-51746-20).

Method(s) NWTPH-Gx: Surrogate recovery for the following samples were outside control limits: MW-31_20150713 (580-51746-15), MW-35_20150713 (580-51746-19) and MW-36_20150713 (580-51746-20). Evidence of matrix interference is present. The data has been reported as secondary because the re-analysis (at a dilution) was out of hold.

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: In analytical batch 580-195598, the following samples from preparation batch 580-195514, 580-195514 and 580-195558 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-1_20150713 (580-51746-1), MW-2_20150713 (580-51746-2), MW-23_20150713 (580-51746-9), Dup-2_20150714 (580-51746-17) and MW-39_20150713 (580-51746-23).

Method(s) NWTPH-Dx: In analytical batch 580-195598, the following samples from preparation batch 580-195514 and 580-195558 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_20150713 (580-51746-3), MW-20_20150713 (580-51746-4), Dup-1_20150714 (580-51746-5), MW-21_20150714 (580-51746-7), MW-22_20150713 (580-51746-8), MW-25_20150714 (580-51746-11), MW-27_20150713 (580-51746-12), MW-29_20150713 (580-51746-14), MW-31_20150713 (580-51746-15), MW-36_20150713 (580-51746-20) and MW-38_20150714 (580-51746-22).

Method(s) NWTPH-Dx: In analytical batch 580-195822, the following samples from preparation batch 580-195776 and 580-195846 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-28_20150714 (580-51746-13), MW-32_20150714 (580-51746-16), MW-41_20150714 (580-51746-25), MW-42_20150714 (580-51746-26), MW-43_20150714 (580-51746-27), Dup-3_20150714 (580-51746-28), MW-44_20150713 (580-51746-30), MW-45_20150714 (580-51746-31), MW-47_20150714 (580-51746-32), MW-52_20150714 (580-51746-37) and MW-53_20150713 (580-51746-38).

Method(s) NWTPH-Dx: In analytical batch 580-195822, the following samples from preparation batch 580-195776 and 580-195846 contained a hydrocarbon pattern in the diesel range; however, the elution pattern was a complex mixture of both earlier and later

Case Narrative

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

TestAmerica Job ID: 580-51746-1

Job ID: 580-51746-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

hydrocarbon fuel envelopes than the typical diesel fuel pattern used by the laboratory for quantitative purposes: Dup-4_20150714 (580-51746-40).

Method(s) NWTPH-Dx: In analytical batch 580-195822, the following samples from preparation batch 580-195776 and 580-195846 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: IW-1_20150714 (580-51746-39).

Method(s) NWTPH-Dx: In analytical batch 580-196194, the following samples from preparation batch 580-196127 and 580-196150 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-24_20150714 (580-51746-10).

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.

Definitions/Glossary

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

TestAmerica Job ID: 580-51746-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.
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.
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
Y	The chromatographic response resembles a typical fuel pattern.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-1_20150713

Date Collected: 07/13/15 13:35

Date Received: 07/15/15 12:00

Lab Sample ID: 580-51746-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/18/15 14:41	1
Toluene	ND		2.0		ug/L			07/18/15 14:41	1
Ethylbenzene	ND		3.0		ug/L			07/18/15 14:41	1
Xylenes, Total	ND		3.0		ug/L			07/18/15 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		07/18/15 14:41	1
Trifluorotoluene (Surr)	97		70 - 136		07/18/15 14:41	1
4-Bromofluorobenzene (Surr)	98		75 - 120		07/18/15 14:41	1
Dibromofluoromethane (Surr)	98		85 - 115		07/18/15 14:41	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		07/18/15 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/23/15 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150					07/23/15 16:28	1
Trifluorotoluene (Surr)	91		50 - 150					07/23/15 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	290	Y	110		ug/L		07/21/15 11:45	07/22/15 14:51	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150				07/21/15 11:45	07/22/15 14:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-2_20150713

Date Collected: 07/13/15 13:00

Date Received: 07/15/15 12:00

Lab Sample ID: 580-51746-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2.1		2.0		ug/L			07/18/15 15:17	1
Xylenes, Total	5.1		3.0		ug/L			07/18/15 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120					07/18/15 15:17	1
Trifluorotoluene (Surr)	99		70 - 136					07/18/15 15:17	1
4-Bromofluorobenzene (Surr)	98		75 - 120					07/18/15 15:17	1
Dibromofluoromethane (Surr)	99		85 - 115					07/18/15 15:17	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 120					07/18/15 15:17	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	120	H	20		ug/L			08/01/15 21:03	10
Ethylbenzene	62	H	30		ug/L			08/01/15 21:03	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120					08/01/15 21:03	10
Trifluorotoluene (Surr)	95		70 - 136					08/01/15 21:03	10
4-Bromofluorobenzene (Surr)	99		75 - 120					08/01/15 21:03	10
Dibromofluoromethane (Surr)	94		85 - 115					08/01/15 21:03	10
1,2-Dichloroethane-d4 (Surr)	101		70 - 120					08/01/15 21:03	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	580		50		ug/L			07/23/15 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131		50 - 150					07/23/15 17:00	1
Trifluorotoluene (Surr)	106		50 - 150					07/23/15 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	850	Y	110		ug/L		07/21/15 11:45	07/22/15 15:09	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150				07/21/15 11:45	07/22/15 15:09	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-19_20150713

Lab Sample ID: 580-51746-3

Date Collected: 07/13/15 08:40

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	500	H	100		ug/L			08/01/15 20:08	50
Toluene	ND	H	100		ug/L			08/01/15 20:08	50
Ethylbenzene	1100	H	150		ug/L			08/01/15 20:08	50
Xylenes, Total	ND	H	150		ug/L			08/01/15 20:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		08/01/15 20:08	50
Trifluorotoluene (Surr)	95		70 - 136		08/01/15 20:08	50
4-Bromofluorobenzene (Surr)	100		75 - 120		08/01/15 20:08	50
Dibromofluoromethane (Surr)	95		85 - 115		08/01/15 20:08	50
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		08/01/15 20:08	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11000		50		ug/L			07/23/15 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	256	X	50 - 150		07/23/15 17:34	1
Trifluorotoluene (Surr)	151	X	50 - 150		07/23/15 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3300	Y	110		ug/L		07/21/15 11:45	07/22/15 15:27	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	07/21/15 11:45	07/22/15 15:27	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-20_20150713

Lab Sample ID: 580-51746-4

Date Collected: 07/13/15 10:40

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	6.2		2.0		ug/L			07/18/15 21:23	1
Ethylbenzene	42		3.0		ug/L			07/18/15 21:23	1
Xylenes, Total	17		3.0		ug/L			07/18/15 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		07/18/15 21:23	1
Trifluorotoluene (Surr)	98		70 - 136		07/18/15 21:23	1
4-Bromofluorobenzene (Surr)	102		75 - 120		07/18/15 21:23	1
Dibromofluoromethane (Surr)	99		85 - 115		07/18/15 21:23	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 120		07/18/15 21:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	360	H	20		ug/L			08/05/15 20:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		85 - 120		08/05/15 20:18	10
Trifluorotoluene (Surr)	96		70 - 136		08/05/15 20:18	10
4-Bromofluorobenzene (Surr)	100		75 - 120		08/05/15 20:18	10
Dibromofluoromethane (Surr)	102		85 - 115		08/05/15 20:18	10
1,2-Dichloroethane-d4 (Surr)	96		70 - 120		08/05/15 20:18	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1700		50		ug/L			07/23/15 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	X	50 - 150		07/23/15 18:06	1
Trifluorotoluene (Surr)	108		50 - 150		07/23/15 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	650	Y	110		ug/L		07/21/15 11:45	07/22/15 16:03	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	07/21/15 11:45	07/22/15 16:03	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Dup-1_20150714

Date Collected: 07/14/15 06:00

Date Received: 07/15/15 12:00

Lab Sample ID: 580-51746-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.7		2.0		ug/L			07/18/15 16:12	1
Toluene	3.6		2.0		ug/L			07/18/15 16:12	1
Xylenes, Total	42		3.0		ug/L			07/18/15 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		07/18/15 16:12	1
Trifluorotoluene (Surr)	101		70 - 136		07/18/15 16:12	1
4-Bromofluorobenzene (Surr)	109		75 - 120		07/18/15 16:12	1
Dibromofluoromethane (Surr)	101		85 - 115		07/18/15 16:12	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		07/18/15 16:12	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	470		30		ug/L			07/25/15 17:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 17:39	10
Trifluorotoluene (Surr)	98		70 - 136		07/25/15 17:39	10
4-Bromofluorobenzene (Surr)	100		75 - 120		07/25/15 17:39	10
Dibromofluoromethane (Surr)	98		85 - 115		07/25/15 17:39	10
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		07/25/15 17:39	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	5800		50		ug/L			07/23/15 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	261	X	50 - 150		07/23/15 18:39	1
Trifluorotoluene (Surr)	120		50 - 150		07/23/15 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1700	Y	110		ug/L		07/21/15 11:45	07/22/15 16:21	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150	07/21/15 11:45	07/22/15 16:21	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Trip Blank-1_20150713

Lab Sample ID: 580-51746-6

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/18/15 14:13	1
Toluene	ND		2.0		ug/L			07/18/15 14:13	1
Ethylbenzene	ND		3.0		ug/L			07/18/15 14:13	1
Xylenes, Total	ND		3.0		ug/L			07/18/15 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		07/18/15 14:13	1
Trifluorotoluene (Surr)	98		70 - 136		07/18/15 14:13	1
4-Bromofluorobenzene (Surr)	99		75 - 120		07/18/15 14:13	1
Dibromofluoromethane (Surr)	98		85 - 115		07/18/15 14:13	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 120		07/18/15 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/23/15 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		07/23/15 15:22	1
Trifluorotoluene (Surr)	103		50 - 150		07/23/15 15:22	1

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-21_20150714

Lab Sample ID: 580-51746-7

Date Collected: 07/14/15 10:30

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	41	F1	2.0		ug/L			07/18/15 18:57	1
Toluene	3.3	F1	2.0		ug/L			07/18/15 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/18/15 18:57	1
Trifluorotoluene (Surr)	98		70 - 136		07/18/15 18:57	1
4-Bromofluorobenzene (Surr)	105		75 - 120		07/18/15 18:57	1
Dibromofluoromethane (Surr)	94		85 - 115		07/18/15 18:57	1
1,2-Dichloroethane-d4 (Surr)	85		70 - 120		07/18/15 18:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	340	H	30		ug/L			08/05/15 19:50	10
Xylenes, Total	72	H	30		ug/L			08/05/15 19:50	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		08/05/15 19:50	10
Trifluorotoluene (Surr)	96		70 - 136		08/05/15 19:50	10
4-Bromofluorobenzene (Surr)	100		75 - 120		08/05/15 19:50	10
Dibromofluoromethane (Surr)	100		85 - 115		08/05/15 19:50	10
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		08/05/15 19:50	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	12000		50		ug/L			07/23/15 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	363	X	50 - 150		07/23/15 19:45	1
Trifluorotoluene (Surr)	162	X	50 - 150		07/23/15 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2500	F1 Y	110		ug/L		07/21/15 11:45	07/22/15 16:39	1
Motor Oil (>C24-C36)	ND	F1	250		ug/L		07/21/15 11:45	07/22/15 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	07/21/15 11:45	07/22/15 16:39	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-22_20150713

Lab Sample ID: 580-51746-8

Date Collected: 07/13/15 15:15

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/18/15 16:40	1
Toluene	ND		2.0		ug/L			07/18/15 16:40	1
Ethylbenzene	20		3.0		ug/L			07/18/15 16:40	1
Xylenes, Total	24		3.0		ug/L			07/18/15 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		85 - 120		07/18/15 16:40	1
Trifluorotoluene (Surr)	101		70 - 136		07/18/15 16:40	1
4-Bromofluorobenzene (Surr)	109		75 - 120		07/18/15 16:40	1
Dibromofluoromethane (Surr)	101		85 - 115		07/18/15 16:40	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 120		07/18/15 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4400		50		ug/L			07/23/15 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	X	50 - 150		07/23/15 20:18	1
Trifluorotoluene (Surr)	106		50 - 150		07/23/15 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2500	Y	110		ug/L		07/21/15 11:45	07/22/15 17:34	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		50 - 150	07/21/15 11:45	07/22/15 17:34	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-23_20150713

Lab Sample ID: 580-51746-9

Date Collected: 07/13/15 14:40

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/18/15 17:07	1
Toluene	ND		2.0		ug/L			07/18/15 17:07	1
Ethylbenzene	ND		3.0		ug/L			07/18/15 17:07	1
Xylenes, Total	ND		3.0		ug/L			07/18/15 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		07/18/15 17:07	1
Trifluorotoluene (Surr)	99		70 - 136		07/18/15 17:07	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/18/15 17:07	1
Dibromofluoromethane (Surr)	92		85 - 115		07/18/15 17:07	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 120		07/18/15 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1100		50		ug/L			07/23/15 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131		50 - 150		07/23/15 20:51	1
Trifluorotoluene (Surr)	106		50 - 150		07/23/15 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1700	Y	110		ug/L		07/21/15 11:45	07/22/15 17:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	07/21/15 11:45	07/22/15 17:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-24_20150714

Lab Sample ID: 580-51746-10

Date Collected: 07/14/15 07:50

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		40		ug/L			07/25/15 14:58	20
Toluene	ND		40		ug/L			07/25/15 14:58	20
Ethylbenzene	270		60		ug/L			07/25/15 14:58	20
Xylenes, Total	ND		60		ug/L			07/25/15 14:58	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		07/25/15 14:58	20
Trifluorotoluene (Surr)	100		70 - 136		07/25/15 14:58	20
4-Bromofluorobenzene (Surr)	99		75 - 120		07/25/15 14:58	20
Dibromofluoromethane (Surr)	93		85 - 115		07/25/15 14:58	20
1,2-Dichloroethane-d4 (Surr)	100		70 - 120		07/25/15 14:58	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4200	F1	50		ug/L			07/23/15 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	217	X	50 - 150		07/23/15 21:24	1
Trifluorotoluene (Surr)	118		50 - 150		07/23/15 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	820	Y	110		ug/L		07/27/15 14:23	07/28/15 18:30	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/27/15 14:23	07/28/15 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150	07/27/15 14:23	07/28/15 18:30	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-25_20150714

Lab Sample ID: 580-51746-11

Date Collected: 07/14/15 08:45

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.1		2.0		ug/L			07/18/15 17:35	1
Xylenes, Total	10		3.0		ug/L			07/18/15 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					07/18/15 17:35	1
Trifluorotoluene (Surr)	100		70 - 136					07/18/15 17:35	1
4-Bromofluorobenzene (Surr)	108		75 - 120					07/18/15 17:35	1
Dibromofluoromethane (Surr)	94		85 - 115					07/18/15 17:35	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 120					07/18/15 17:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		20		ug/L			07/25/15 18:06	10
Ethylbenzene	360		30		ug/L			07/25/15 18:06	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120					07/25/15 18:06	10
Trifluorotoluene (Surr)	97		70 - 136					07/25/15 18:06	10
4-Bromofluorobenzene (Surr)	98		75 - 120					07/25/15 18:06	10
Dibromofluoromethane (Surr)	96		85 - 115					07/25/15 18:06	10
1,2-Dichloroethane-d4 (Surr)	101		70 - 120					07/25/15 18:06	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6300		50		ug/L			07/23/15 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	273	X	50 - 150					07/23/15 21:57	1
Trifluorotoluene (Surr)	120		50 - 150					07/23/15 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800	Y	110		ug/L		07/21/15 11:45	07/22/15 18:10	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150				07/21/15 11:45	07/22/15 18:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-27_20150713

Lab Sample ID: 580-51746-12

Date Collected: 07/13/15 15:30

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.8		2.0		ug/L			07/18/15 18:02	1
Toluene	3.0		2.0		ug/L			07/18/15 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120					07/18/15 18:02	1
Trifluorotoluene (Surr)	97		70 - 136					07/18/15 18:02	1
4-Bromofluorobenzene (Surr)	105		75 - 120					07/18/15 18:02	1
Dibromofluoromethane (Surr)	96		85 - 115					07/18/15 18:02	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 120					07/18/15 18:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	270	H	60		ug/L			08/01/15 20:35	20
Xylenes, Total	76	H	60		ug/L			08/01/15 20:35	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120					08/01/15 20:35	20
Trifluorotoluene (Surr)	93		70 - 136					08/01/15 20:35	20
4-Bromofluorobenzene (Surr)	99		75 - 120					08/01/15 20:35	20
Dibromofluoromethane (Surr)	95		85 - 115					08/01/15 20:35	20
1,2-Dichloroethane-d4 (Surr)	103		70 - 120					08/01/15 20:35	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11000		50		ug/L			07/23/15 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	315	X	50 - 150					07/23/15 22:29	1
Trifluorotoluene (Surr)	129		50 - 150					07/23/15 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3300	Y	120		ug/L		07/21/15 11:45	07/22/15 18:28	1
Motor Oil (>C24-C36)	ND		270		ug/L		07/21/15 11:45	07/22/15 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150				07/21/15 11:45	07/22/15 18:28	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-28_20150714

Lab Sample ID: 580-51746-13

Date Collected: 07/14/15 08:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	40	F1	2.0		ug/L			07/18/15 18:29	1
Toluene	22	F1	2.0		ug/L			07/18/15 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					07/18/15 18:29	1
Trifluorotoluene (Surr)	98		70 - 136					07/18/15 18:29	1
4-Bromofluorobenzene (Surr)	109		75 - 120					07/18/15 18:29	1
Dibromofluoromethane (Surr)	97		85 - 115					07/18/15 18:29	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 120					07/18/15 18:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	730	F2 F1	30		ug/L			07/25/15 18:33	10
Xylenes, Total	73		30		ug/L			07/25/15 18:33	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					07/25/15 18:33	10
Trifluorotoluene (Surr)	96		70 - 136					07/25/15 18:33	10
4-Bromofluorobenzene (Surr)	99		75 - 120					07/25/15 18:33	10
Dibromofluoromethane (Surr)	98		85 - 115					07/25/15 18:33	10
1,2-Dichloroethane-d4 (Surr)	100		70 - 120					07/25/15 18:33	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9100		50		ug/L			07/23/15 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	370	X	50 - 150					07/23/15 23:02	1
Trifluorotoluene (Surr)	139		50 - 150					07/23/15 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2000	Y	110		ug/L		07/23/15 12:39	07/24/15 10:10	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 10:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150				07/23/15 12:39	07/24/15 10:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-29_20150713

Lab Sample ID: 580-51746-14

Date Collected: 07/13/15 10:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	820	H	200		ug/L			08/01/15 16:06	100
Toluene	ND	H	200		ug/L			08/01/15 16:06	100
Ethylbenzene	1400	H	300		ug/L			08/01/15 16:06	100
Xylenes, Total	2200	H	300		ug/L			08/01/15 16:06	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		08/01/15 16:06	100
Trifluorotoluene (Surr)	96		70 - 136		08/01/15 16:06	100
4-Bromofluorobenzene (Surr)	99		75 - 120		08/01/15 16:06	100
Dibromofluoromethane (Surr)	93		85 - 115		08/01/15 16:06	100
1,2-Dichloroethane-d4 (Surr)	101		70 - 120		08/01/15 16:06	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	20000		50		ug/L			07/23/15 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	238	X	50 - 150		07/23/15 23:35	1
Trifluorotoluene (Surr)	142		50 - 150		07/23/15 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2700	Y	110		ug/L		07/21/15 11:45	07/22/15 18:46	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	07/21/15 11:45	07/22/15 18:46	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-31_20150713

Lab Sample ID: 580-51746-15

Date Collected: 07/13/15 10:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1500	H	200		ug/L			08/01/15 16:33	100
Toluene	530	H	200		ug/L			08/01/15 16:33	100
Ethylbenzene	2500	H	300		ug/L			08/01/15 16:33	100
Xylenes, Total	13000	H	300		ug/L			08/01/15 16:33	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		08/01/15 16:33	100
Trifluorotoluene (Surr)	96		70 - 136		08/01/15 16:33	100
4-Bromofluorobenzene (Surr)	98		75 - 120		08/01/15 16:33	100
Dibromofluoromethane (Surr)	94		85 - 115		08/01/15 16:33	100
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		08/01/15 16:33	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	68000	E	50		ug/L			07/24/15 00:08	1
Gasoline	72000	H	2500		ug/L			08/05/15 00:22	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	307	X	50 - 150		07/24/15 00:08	1
4-Bromofluorobenzene (Surr)	96		50 - 150		08/05/15 00:22	50
Trifluorotoluene (Surr)	163	X	50 - 150		07/24/15 00:08	1
Trifluorotoluene (Surr)	100		50 - 150		08/05/15 00:22	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2400	Y	110		ug/L		07/21/15 11:45	07/22/15 19:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	50		50 - 150	07/21/15 11:45	07/22/15 19:22	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-32_20150714

Lab Sample ID: 580-51746-16

Date Collected: 07/14/15 08:50

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/L			07/25/15 19:54	10
Toluene	ND	F1	20		ug/L			07/25/15 19:54	10
Xylenes, Total	ND		30		ug/L			07/25/15 19:54	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	970	H	300		ug/L			08/01/15 16:59	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		08/01/15 16:59	100
Trifluorotoluene (Surr)	96		70 - 136		08/01/15 16:59	100
4-Bromofluorobenzene (Surr)	97		75 - 120		08/01/15 16:59	100
Dibromofluoromethane (Surr)	93		85 - 115		08/01/15 16:59	100
1,2-Dichloroethane-d4 (Surr)	100		70 - 120		08/01/15 16:59	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9800		50		ug/L			07/24/15 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	331	X	50 - 150		07/24/15 00:41	1
Trifluorotoluene (Surr)	128		50 - 150		07/24/15 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	990	Y	110		ug/L		07/23/15 12:39	07/24/15 11:03	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 11:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	51		50 - 150	07/23/15 12:39	07/24/15 11:03	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Dup-2_20150714

Lab Sample ID: 580-51746-17

Date Collected: 07/14/15 06:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/21/15 18:30	1
Toluene	ND	*	2.0		ug/L			07/21/15 18:30	1
Ethylbenzene	ND	*	3.0		ug/L			07/21/15 18:30	1
Xylenes, Total	ND	*	3.0		ug/L			07/21/15 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		07/21/15 18:30	1
Trifluorotoluene (Surr)	102		70 - 136		07/21/15 18:30	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/21/15 18:30	1
Dibromofluoromethane (Surr)	96		85 - 115		07/21/15 18:30	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 120		07/21/15 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	300		50		ug/L			07/24/15 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		07/24/15 01:46	1
Trifluorotoluene (Surr)	105		50 - 150		07/24/15 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	170	Y	110		ug/L		07/21/15 11:45	07/22/15 19:40	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	07/21/15 11:45	07/22/15 19:40	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Trip Blank-2_20150713

Lab Sample ID: 580-51746-18

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/21/15 17:06	1
Toluene	ND	*	2.0		ug/L			07/21/15 17:06	1
Ethylbenzene	ND	*	3.0		ug/L			07/21/15 17:06	1
Xylenes, Total	ND	*	3.0		ug/L			07/21/15 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120		07/21/15 17:06	1
Trifluorotoluene (Surr)	98		70 - 136		07/21/15 17:06	1
4-Bromofluorobenzene (Surr)	100		75 - 120		07/21/15 17:06	1
Dibromofluoromethane (Surr)	104		85 - 115		07/21/15 17:06	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 120		07/21/15 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/23/15 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		07/23/15 15:55	1
Trifluorotoluene (Surr)	100		50 - 150		07/23/15 15:55	1

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-35_20150713

Lab Sample ID: 580-51746-19

Date Collected: 07/13/15 09:40

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8000	H E	200		ug/L			08/01/15 18:20	100
Toluene	2600	H	200		ug/L			08/01/15 18:20	100
Ethylbenzene	2200	H	300		ug/L			08/01/15 18:20	100
Xylenes, Total	11000	H	300		ug/L			08/01/15 18:20	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		08/01/15 18:20	100
Trifluorotoluene (Surr)	95		70 - 136		08/01/15 18:20	100
4-Bromofluorobenzene (Surr)	98		75 - 120		08/01/15 18:20	100
Dibromofluoromethane (Surr)	94		85 - 115		08/01/15 18:20	100
1,2-Dichloroethane-d4 (Surr)	100		70 - 120		08/01/15 18:20	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	64000	E	50		ug/L			07/24/15 02:19	1
Gasoline	60000	H	2500		ug/L			08/05/15 00:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	266	X	50 - 150		07/24/15 02:19	1
4-Bromofluorobenzene (Surr)	95		50 - 150		08/05/15 00:55	50
Trifluorotoluene (Surr)	129		50 - 150		07/24/15 02:19	1
Trifluorotoluene (Surr)	97		50 - 150		08/05/15 00:55	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4100	Y	110		ug/L		07/21/15 11:45	07/22/15 19:58	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	07/21/15 11:45	07/22/15 19:58	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-36_20150713

Lab Sample ID: 580-51746-20

Date Collected: 07/13/15 09:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5900	H	200		ug/L			08/01/15 18:47	100
Toluene	380	H	200		ug/L			08/01/15 18:47	100
Ethylbenzene	2100	H	300		ug/L			08/01/15 18:47	100
Xylenes, Total	10000	H	300		ug/L			08/01/15 18:47	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		08/01/15 18:47	100
Trifluorotoluene (Surr)	95		70 - 136		08/01/15 18:47	100
4-Bromofluorobenzene (Surr)	97		75 - 120		08/01/15 18:47	100
Dibromofluoromethane (Surr)	95		85 - 115		08/01/15 18:47	100
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		08/01/15 18:47	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	55000	E	50		ug/L			07/24/15 02:51	1
Gasoline	47000	H	2500		ug/L			08/05/15 01:28	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	278	X	50 - 150		07/24/15 02:51	1
4-Bromofluorobenzene (Surr)	96		50 - 150		08/05/15 01:28	50
Trifluorotoluene (Surr)	132		50 - 150		07/24/15 02:51	1
Trifluorotoluene (Surr)	98		50 - 150		08/05/15 01:28	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3700	Y	110		ug/L		07/21/15 11:45	07/22/15 20:16	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	07/21/15 11:45	07/22/15 20:16	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-37_20150713

Lab Sample ID: 580-51746-21

Date Collected: 07/13/15 14:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			07/25/15 09:33	1
Toluene	ND	*	2.0		ug/L			07/25/15 09:33	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 09:33	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		07/25/15 09:33	1
Trifluorotoluene (Surr)	92		70 - 136		07/25/15 09:33	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/25/15 09:33	1
Dibromofluoromethane (Surr)	99		85 - 115		07/25/15 09:33	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 120		07/25/15 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/24/15 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		07/24/15 15:53	1
Trifluorotoluene (Surr)	89		50 - 150		07/24/15 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/21/15 11:45	07/22/15 20:34	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	07/21/15 11:45	07/22/15 20:34	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-38_20150714

Lab Sample ID: 580-51746-22

Date Collected: 07/14/15 08:30

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	26		2.0		ug/L			07/25/15 22:08	1
Toluene	ND		2.0		ug/L			07/25/15 22:08	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 22:08	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		07/25/15 22:08	1
Trifluorotoluene (Surr)	97		70 - 136		07/25/15 22:08	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/25/15 22:08	1
Dibromofluoromethane (Surr)	99		85 - 115		07/25/15 22:08	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 120		07/25/15 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	470	H	50		ug/L			07/29/15 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		50 - 150		07/29/15 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	240	Y	110		ug/L		07/21/15 11:45	07/22/15 20:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	60		50 - 150	07/21/15 11:45	07/22/15 20:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-39_20150713

Lab Sample ID: 580-51746-23

Date Collected: 07/13/15 13:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			07/25/15 10:00	1
Toluene	ND	*	2.0		ug/L			07/25/15 10:00	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 10:00	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 10:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 10:00	1
Trifluorotoluene (Surr)	96		70 - 136		07/25/15 10:00	1
4-Bromofluorobenzene (Surr)	100		75 - 120		07/25/15 10:00	1
Dibromofluoromethane (Surr)	99		85 - 115		07/25/15 10:00	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		07/25/15 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/24/15 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		07/24/15 16:59	1
Trifluorotoluene (Surr)	97		50 - 150		07/24/15 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	110	Y	110		ug/L		07/21/15 11:45	07/22/15 21:10	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	07/21/15 11:45	07/22/15 21:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-40_20150713

Lab Sample ID: 580-51746-24

Date Collected: 07/13/15 10:50

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			07/25/15 10:27	1
Toluene	ND	*	2.0		ug/L			07/25/15 10:27	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 10:27	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 10:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 10:27	1
Trifluorotoluene (Surr)	91		70 - 136		07/25/15 10:27	1
4-Bromofluorobenzene (Surr)	98		75 - 120		07/25/15 10:27	1
Dibromofluoromethane (Surr)	97		85 - 115		07/25/15 10:27	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 120		07/25/15 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/24/15 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		07/24/15 17:32	1
Trifluorotoluene (Surr)	95		50 - 150		07/24/15 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/21/15 11:45	07/22/15 21:28	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	07/21/15 11:45	07/22/15 21:28	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-41_20150714

Lab Sample ID: 580-51746-25

Date Collected: 07/14/15 11:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		40		ug/L			07/25/15 15:26	20
Toluene	ND		40		ug/L			07/25/15 15:26	20
Ethylbenzene	ND		60		ug/L			07/25/15 15:26	20
Xylenes, Total	ND		60		ug/L			07/25/15 15:26	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 15:26	20
Trifluorotoluene (Surr)	100		70 - 136		07/25/15 15:26	20
4-Bromofluorobenzene (Surr)	101		75 - 120		07/25/15 15:26	20
Dibromofluoromethane (Surr)	95		85 - 115		07/25/15 15:26	20
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		07/25/15 15:26	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2600	H	50		ug/L			07/29/15 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	X	50 - 150		07/29/15 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	590	Y	110		ug/L		07/23/15 12:39	07/24/15 11:58	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	53		50 - 150	07/23/15 12:39	07/24/15 11:58	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-42_20150714

Lab Sample ID: 580-51746-26

Date Collected: 07/14/15 11:25

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	660		40		ug/L			07/25/15 15:52	20
Toluene	ND		40		ug/L			07/25/15 15:52	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					07/25/15 15:52	20
Trifluorotoluene (Surr)	101		70 - 136					07/25/15 15:52	20
4-Bromofluorobenzene (Surr)	96		75 - 120					07/25/15 15:52	20
Dibromofluoromethane (Surr)	97		85 - 115					07/25/15 15:52	20
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					07/25/15 15:52	20

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1800	H	300		ug/L			08/01/15 19:15	100
Xylenes, Total	4500	H	300		ug/L			08/01/15 19:15	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120					08/01/15 19:15	100
Trifluorotoluene (Surr)	97		70 - 136					08/01/15 19:15	100
4-Bromofluorobenzene (Surr)	97		75 - 120					08/01/15 19:15	100
Dibromofluoromethane (Surr)	93		85 - 115					08/01/15 19:15	100
1,2-Dichloroethane-d4 (Surr)	100		70 - 120					08/01/15 19:15	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	31000	H	500		ug/L			07/30/15 01:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		50 - 150					07/30/15 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2300	Y	110		ug/L		07/23/15 12:39	07/24/15 12:34	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	60		50 - 150				07/23/15 12:39	07/24/15 12:34	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-43_20150714

Lab Sample ID: 580-51746-27

Date Collected: 07/14/15 11:45

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		40		ug/L			07/25/15 16:19	20
Toluene	ND		40		ug/L			07/25/15 16:19	20
Ethylbenzene	580		60		ug/L			07/25/15 16:19	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		07/25/15 16:19	20
Trifluorotoluene (Surr)	101		70 - 136		07/25/15 16:19	20
4-Bromofluorobenzene (Surr)	98		75 - 120		07/25/15 16:19	20
Dibromofluoromethane (Surr)	96		85 - 115		07/25/15 16:19	20
1,2-Dichloroethane-d4 (Surr)	100		70 - 120		07/25/15 16:19	20

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	2000	H	300		ug/L			08/01/15 19:42	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		08/01/15 19:42	100
Trifluorotoluene (Surr)	95		70 - 136		08/01/15 19:42	100
4-Bromofluorobenzene (Surr)	97		75 - 120		08/01/15 19:42	100
Dibromofluoromethane (Surr)	96		85 - 115		08/01/15 19:42	100
1,2-Dichloroethane-d4 (Surr)	103		70 - 120		08/01/15 19:42	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	33000	H	500		ug/L			07/30/15 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		50 - 150		07/30/15 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2600	Y	110		ug/L		07/23/15 12:39	07/24/15 12:52	1
Motor Oil (>C24-C36)	ND		260		ug/L		07/23/15 12:39	07/24/15 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	51		50 - 150	07/23/15 12:39	07/24/15 12:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Dup-3_20150714

Lab Sample ID: 580-51746-28

Date Collected: 07/14/15 08:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		40		ug/L			07/25/15 16:47	20
Toluene	ND		40		ug/L			07/25/15 16:47	20
Ethylbenzene	770		60		ug/L			07/25/15 16:47	20
Xylenes, Total	85		60		ug/L			07/25/15 16:47	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 16:47	20
Trifluorotoluene (Surr)	100		70 - 136		07/25/15 16:47	20
4-Bromofluorobenzene (Surr)	100		75 - 120		07/25/15 16:47	20
Dibromofluoromethane (Surr)	98		85 - 115		07/25/15 16:47	20
1,2-Dichloroethane-d4 (Surr)	103		70 - 120		07/25/15 16:47	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	8400	H	50		ug/L			07/29/15 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	345	X	50 - 150		07/29/15 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800	Y	110		ug/L		07/23/15 12:39	07/24/15 13:10	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	07/23/15 12:39	07/24/15 13:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Trip Blank-3_20150713

Lab Sample ID: 580-51746-29

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			07/25/15 03:17	1
Toluene	ND	*	2.0		ug/L			07/25/15 03:17	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 03:17	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120		07/25/15 03:17	1
Trifluorotoluene (Surr)	97		70 - 136		07/25/15 03:17	1
4-Bromofluorobenzene (Surr)	100		75 - 120		07/25/15 03:17	1
Dibromofluoromethane (Surr)	96		85 - 115		07/25/15 03:17	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		07/25/15 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			07/29/15 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		07/29/15 18:29	1

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-44_20150713

Lab Sample ID: 580-51746-30

Date Collected: 07/13/15 15:45

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	70	H	40		ug/L			08/13/15 18:36	20
Toluene	ND	H	40		ug/L			08/13/15 18:36	20
Ethylbenzene	920	H	60		ug/L			08/13/15 18:36	20
Xylenes, Total	92	H	60		ug/L			08/13/15 18:36	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		08/13/15 18:36	20
Trifluorotoluene (Surr)	99		70 - 136		08/13/15 18:36	20
4-Bromofluorobenzene (Surr)	100		75 - 120		08/13/15 18:36	20
Dibromofluoromethane (Surr)	96		85 - 115		08/13/15 18:36	20
1,2-Dichloroethane-d4 (Surr)	95		70 - 120		08/13/15 18:36	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9400	H	50		ug/L			07/29/15 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	289	X	50 - 150		07/29/15 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1300	Y	110		ug/L		07/23/15 12:39	07/24/15 13:28	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	07/23/15 12:39	07/24/15 13:28	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-45_20150714

Lab Sample ID: 580-51746-31

Date Collected: 07/14/15 08:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/L			07/25/15 17:13	10
Toluene	ND		20		ug/L			07/25/15 17:13	10
Ethylbenzene	240		30		ug/L			07/25/15 17:13	10
Xylenes, Total	ND		30		ug/L			07/25/15 17:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		07/25/15 17:13	10
Trifluorotoluene (Surr)	103		70 - 136		07/25/15 17:13	10
4-Bromofluorobenzene (Surr)	101		75 - 120		07/25/15 17:13	10
Dibromofluoromethane (Surr)	96		85 - 115		07/25/15 17:13	10
1,2-Dichloroethane-d4 (Surr)	96		70 - 120		07/25/15 17:13	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6200	H	50		ug/L			07/29/15 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	275	X	50 - 150		07/29/15 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1900	Y	110		ug/L		07/23/15 12:39	07/24/15 13:46	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	07/23/15 12:39	07/24/15 13:46	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-47_20150714

Lab Sample ID: 580-51746-32

Date Collected: 07/14/15 09:25

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/25/15 22:35	1
Toluene	ND		2.0		ug/L			07/25/15 22:35	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 22:35	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 22:35	1
Trifluorotoluene (Surr)	94		70 - 136		07/25/15 22:35	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/25/15 22:35	1
Dibromofluoromethane (Surr)	99		85 - 115		07/25/15 22:35	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		07/25/15 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	200	H	50		ug/L			07/29/15 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		07/29/15 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	120	Y	110		ug/L		07/23/15 12:39	07/24/15 14:04	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	07/23/15 12:39	07/24/15 14:04	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-48_20150714

Lab Sample ID: 580-51746-33

Date Collected: 07/14/15 10:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/25/15 23:02	1
Toluene	ND		2.0		ug/L			07/25/15 23:02	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 23:02	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120		07/25/15 23:02	1
Trifluorotoluene (Surr)	93		70 - 136		07/25/15 23:02	1
4-Bromofluorobenzene (Surr)	98		75 - 120		07/25/15 23:02	1
Dibromofluoromethane (Surr)	100		85 - 115		07/25/15 23:02	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 120		07/25/15 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			07/29/15 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		07/29/15 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/23/15 12:39	07/24/15 14:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	07/23/15 12:39	07/24/15 14:22	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-49_20150713

Lab Sample ID: 580-51746-34

Date Collected: 07/13/15 13:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			07/25/15 10:54	1
Toluene	ND	*	2.0		ug/L			07/25/15 10:54	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 10:54	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 10:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		07/25/15 10:54	1
Trifluorotoluene (Surr)	93		70 - 136		07/25/15 10:54	1
4-Bromofluorobenzene (Surr)	97		75 - 120		07/25/15 10:54	1
Dibromofluoromethane (Surr)	104		85 - 115		07/25/15 10:54	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 120		07/25/15 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/24/15 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		07/24/15 23:34	1
Trifluorotoluene (Surr)	107		50 - 150		07/24/15 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/27/15 14:23	07/28/15 19:38	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/27/15 14:23	07/28/15 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	07/27/15 14:23	07/28/15 19:38	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-50_20150713

Lab Sample ID: 580-51746-35

Date Collected: 07/13/15 12:40

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0		ug/L			07/25/15 11:21	1
Toluene	ND	*	2.0		ug/L			07/25/15 11:21	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 11:21	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 11:21	1
Trifluorotoluene (Surr)	95		70 - 136		07/25/15 11:21	1
4-Bromofluorobenzene (Surr)	99		75 - 120		07/25/15 11:21	1
Dibromofluoromethane (Surr)	99		85 - 115		07/25/15 11:21	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 120		07/25/15 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/25/15 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		07/25/15 00:07	1
Trifluorotoluene (Surr)	93		50 - 150		07/25/15 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/23/15 12:39	07/24/15 14:58	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	07/23/15 12:39	07/24/15 14:58	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-51_20150713

Lab Sample ID: 580-51746-36

Date Collected: 07/13/15 14:20

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/22/15 19:29	1
Toluene	ND		2.0		ug/L			07/22/15 19:29	1
Ethylbenzene	ND		3.0		ug/L			07/22/15 19:29	1
Xylenes, Total	ND		3.0		ug/L			07/22/15 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		85 - 120		07/22/15 19:29	1
Trifluorotoluene (Surr)	104		70 - 136		07/22/15 19:29	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/22/15 19:29	1
Dibromofluoromethane (Surr)	99		85 - 115		07/22/15 19:29	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 120		07/22/15 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/25/15 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		07/25/15 00:39	1
Trifluorotoluene (Surr)	93		50 - 150		07/25/15 00:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/23/15 12:39	07/24/15 15:16	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	07/23/15 12:39	07/24/15 15:16	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-52_20150714

Lab Sample ID: 580-51746-37

Date Collected: 07/14/15 11:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	13		2.0		ug/L			07/22/15 19:56	1
Xylenes, Total	40		3.0		ug/L			07/22/15 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		85 - 120					07/22/15 19:56	1
Trifluorotoluene (Surr)	101		70 - 136					07/22/15 19:56	1
4-Bromofluorobenzene (Surr)	106		75 - 120					07/22/15 19:56	1
Dibromofluoromethane (Surr)	101		85 - 115					07/22/15 19:56	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 120					07/22/15 19:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	330		20		ug/L			07/25/15 21:14	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					07/25/15 21:14	10
Trifluorotoluene (Surr)	96		70 - 136					07/25/15 21:14	10
4-Bromofluorobenzene (Surr)	98		75 - 120					07/25/15 21:14	10
Dibromofluoromethane (Surr)	98		85 - 115					07/25/15 21:14	10
1,2-Dichloroethane-d4 (Surr)	100		70 - 120					07/25/15 21:14	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1600	H	150		ug/L			08/05/15 19:22	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120					08/05/15 19:22	50
Trifluorotoluene (Surr)	98		70 - 136					08/05/15 19:22	50
4-Bromofluorobenzene (Surr)	97		75 - 120					08/05/15 19:22	50
Dibromofluoromethane (Surr)	97		85 - 115					08/05/15 19:22	50
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					08/05/15 19:22	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	14000	H	50		ug/L			07/29/15 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	448	X	50 - 150					07/29/15 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2800	Y	110		ug/L		07/23/15 12:39	07/24/15 15:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150				07/23/15 12:39	07/24/15 15:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-53_20150713

Lab Sample ID: 580-51746-38

Date Collected: 07/13/15 09:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15000	H	1000		ug/L			08/13/15 17:39	500
Toluene	ND	H	1000		ug/L			08/13/15 17:39	500
Ethylbenzene	2600	H	1500		ug/L			08/13/15 17:39	500
Xylenes, Total	12000	H	1500		ug/L			08/13/15 17:39	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		08/13/15 17:39	500
Trifluorotoluene (Surr)	96		70 - 136		08/13/15 17:39	500
4-Bromofluorobenzene (Surr)	99		75 - 120		08/13/15 17:39	500
Dibromofluoromethane (Surr)	101		85 - 115		08/13/15 17:39	500
1,2-Dichloroethane-d4 (Surr)	95		70 - 120		08/13/15 17:39	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	50000	H	500		ug/L			07/30/15 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		50 - 150		07/30/15 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4100	Y	110		ug/L		07/23/15 12:39	07/24/15 16:10	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	07/23/15 12:39	07/24/15 16:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: IW-1_20150714

Lab Sample ID: 580-51746-39

Date Collected: 07/14/15 09:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/22/15 21:18	1
Toluene	ND		2.0		ug/L			07/22/15 21:18	1
Ethylbenzene	ND		3.0		ug/L			07/22/15 21:18	1
Xylenes, Total	ND		3.0		ug/L			07/22/15 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		07/22/15 21:18	1
Trifluorotoluene (Surr)	104		70 - 136		07/22/15 21:18	1
4-Bromofluorobenzene (Surr)	102		75 - 120		07/22/15 21:18	1
Dibromofluoromethane (Surr)	96		85 - 115		07/22/15 21:18	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 120		07/22/15 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			07/29/15 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		07/29/15 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	120	Y	110		ug/L		07/23/15 12:39	07/24/15 16:28	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	07/23/15 12:39	07/24/15 16:28	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Dup-4_20150714

Lab Sample ID: 580-51746-40

Date Collected: 07/14/15 10:30

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	31		20		ug/L			07/25/15 21:41	10
Toluene	ND		20		ug/L			07/25/15 21:41	10
Ethylbenzene	350		30		ug/L			07/25/15 21:41	10
Xylenes, Total	76		30		ug/L			07/25/15 21:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 21:41	10
Trifluorotoluene (Surr)	95		70 - 136		07/25/15 21:41	10
4-Bromofluorobenzene (Surr)	100		75 - 120		07/25/15 21:41	10
Dibromofluoromethane (Surr)	99		85 - 115		07/25/15 21:41	10
1,2-Dichloroethane-d4 (Surr)	104		70 - 120		07/25/15 21:41	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	10000		50		ug/L			07/25/15 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	352	X	50 - 150		07/25/15 03:24	1
Trifluorotoluene (Surr)	132		50 - 150		07/25/15 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4900	Y	110		ug/L		07/23/15 12:39	07/24/15 16:46	1
Motor Oil (>C24-C36)	670	Y	250		ug/L		07/23/15 12:39	07/24/15 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	07/23/15 12:39	07/24/15 16:46	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Trip Blank-4_20150713

Lab Sample ID: 580-51746-41

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/22/15 18:34	1
Toluene	ND		2.0		ug/L			07/22/15 18:34	1
Ethylbenzene	ND		3.0		ug/L			07/22/15 18:34	1
Xylenes, Total	ND		3.0		ug/L			07/22/15 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120		07/22/15 18:34	1
Trifluorotoluene (Surr)	106		70 - 136		07/22/15 18:34	1
4-Bromofluorobenzene (Surr)	99		75 - 120		07/22/15 18:34	1
Dibromofluoromethane (Surr)	96		85 - 115		07/22/15 18:34	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 120		07/22/15 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/27/15 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		07/27/15 19:22	1
Trifluorotoluene (Surr)	96		50 - 150		07/27/15 19:22	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Trip Blank-5_20150713

Lab Sample ID: 580-51746-42

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/22/15 19:01	1
Toluene	ND		2.0		ug/L			07/22/15 19:01	1
Ethylbenzene	ND		3.0		ug/L			07/22/15 19:01	1
Xylenes, Total	ND		3.0		ug/L			07/22/15 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120		07/22/15 19:01	1
Trifluorotoluene (Surr)	106		70 - 136		07/22/15 19:01	1
4-Bromofluorobenzene (Surr)	100		75 - 120		07/22/15 19:01	1
Dibromofluoromethane (Surr)	96		85 - 115		07/22/15 19:01	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 120		07/22/15 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/27/15 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		07/27/15 19:54	1
Trifluorotoluene (Surr)	101		50 - 150		07/27/15 19:54	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-195235/4

Matrix: Water

Analysis Batch: 195235

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/18/15 12:51	1
Toluene	ND		2.0		ug/L			07/18/15 12:51	1
Ethylbenzene	ND		3.0		ug/L			07/18/15 12:51	1
Xylenes, Total	ND		3.0		ug/L			07/18/15 12:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		07/18/15 12:51	1
Trifluorotoluene (Surr)	98		70 - 136		07/18/15 12:51	1
4-Bromofluorobenzene (Surr)	98		75 - 120		07/18/15 12:51	1
Dibromofluoromethane (Surr)	99		85 - 115		07/18/15 12:51	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		07/18/15 12:51	1

Lab Sample ID: LCS 580-195235/5

Matrix: Water

Analysis Batch: 195235

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	22.3		ug/L		112	80 - 120
Toluene	20.0	23.3		ug/L		116	75 - 120
Ethylbenzene	20.0	22.9		ug/L		115	75 - 125
m-Xylene & p-Xylene	20.0	23.5		ug/L		117	75 - 130
o-Xylene	20.0	22.8		ug/L		114	80 - 120
Xylenes, Total	40.0	46.3		ug/L		116	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		85 - 120
Trifluorotoluene (Surr)	97		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115
1,2-Dichloroethane-d4 (Surr)	98		70 - 120

Lab Sample ID: LCSD 580-195235/6

Matrix: Water

Analysis Batch: 195235

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	22.3		ug/L		111	80 - 120	0	30
Toluene	20.0	23.4		ug/L		117	75 - 120	1	30
Ethylbenzene	20.0	23.1		ug/L		116	75 - 125	1	30
m-Xylene & p-Xylene	20.0	23.6		ug/L		118	75 - 130	0	30
o-Xylene	20.0	22.7		ug/L		114	80 - 120	0	30
Xylenes, Total	40.0	46.3		ug/L		116	75 - 125	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		85 - 120
Trifluorotoluene (Surr)	98		70 - 136
4-Bromofluorobenzene (Surr)	97		75 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCSD 580-195235/6

Matrix: Water

Analysis Batch: 195235

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	97		85 - 115
1,2-Dichloroethane-d4 (Surr)	96		70 - 120

Lab Sample ID: 580-51746-7 MS

Matrix: Water

Analysis Batch: 195235

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	41	F1	20.0	67.7	E F1	ug/L		136	80 - 120
Toluene	3.3	F1	20.0	30.3	F1	ug/L		135	75 - 120
Ethylbenzene	110	E	20.0	119	E 4	ug/L		69	75 - 125
o-Xylene	2.9	F1	20.0	32.0	F1	ug/L		146	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	97		85 - 120
Trifluorotoluene (Surr)	99		70 - 136
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	86		70 - 120

Lab Sample ID: 580-51746-7 MSD

Matrix: Water

Analysis Batch: 195235

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	41	F1	20.0	60.1	E	ug/L		98	80 - 120	12	30
Toluene	3.3	F1	20.0	25.8		ug/L		112	75 - 120	16	30
Ethylbenzene	110	E	20.0	94.2	E 4	ug/L		-54	75 - 125	23	30
o-Xylene	2.9	F1	20.0	26.6		ug/L		119	80 - 120	18	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	96		85 - 120
Trifluorotoluene (Surr)	97		70 - 136
4-Bromofluorobenzene (Surr)	104		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115
1,2-Dichloroethane-d4 (Surr)	85		70 - 120

Lab Sample ID: 580-51746-13 MS

Matrix: Water

Analysis Batch: 195235

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	40	F1	20.0	60.7	E	ug/L		104	80 - 120
Toluene	22	F1	20.0	44.2		ug/L		112	75 - 120
Ethylbenzene	130	E	20.0	114	E 4	ug/L		-93	75 - 125
o-Xylene	2.5	F1	20.0	27.8	F1	ug/L		127	80 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: 580-51746-13 MS

Matrix: Water

Analysis Batch: 195235

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	98		85 - 120
Trifluorotoluene (Surr)	96		70 - 136
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	84		70 - 120

Lab Sample ID: 580-51746-13 MSD

Matrix: Water

Analysis Batch: 195235

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	40	F1	20.0	66.9	E F1	ug/L		135	80 - 120	10	30
Toluene	22	F1	20.0	47.2	F1	ug/L		128	75 - 120	7	30
Ethylbenzene	130	E	20.0	119	E 4	ug/L		-65	75 - 125	5	30
o-Xylene	2.5	F1	20.0	30.0	F1	ug/L		138	80 - 120	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	96		85 - 120
Trifluorotoluene (Surr)	99		70 - 136
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	94		85 - 115
1,2-Dichloroethane-d4 (Surr)	84		70 - 120

Lab Sample ID: MB 580-195492/4

Matrix: Water

Analysis Batch: 195492

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/21/15 12:52	1
Toluene	ND		2.0		ug/L			07/21/15 12:52	1
Ethylbenzene	ND		3.0		ug/L			07/21/15 12:52	1
Xylenes, Total	ND		3.0		ug/L			07/21/15 12:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		07/21/15 12:52	1
Trifluorotoluene (Surr)	97		70 - 136		07/21/15 12:52	1
4-Bromofluorobenzene (Surr)	102		75 - 120		07/21/15 12:52	1
Dibromofluoromethane (Surr)	106		85 - 115		07/21/15 12:52	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 120		07/21/15 12:52	1

Lab Sample ID: LCS 580-195492/5

Matrix: Water

Analysis Batch: 195492

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	23.7		ug/L		119	80 - 120
Toluene	20.0	25.5	*	ug/L		128	75 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCS 580-195492/5

Matrix: Water

Analysis Batch: 195492

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	20.0	25.9	*	ug/L		129	75 - 125
m-Xylene & p-Xylene	20.0	26.3	*	ug/L		131	75 - 130
o-Xylene	20.0	26.6	*	ug/L		133	80 - 120
Xylenes, Total	40.0	52.9	*	ug/L		132	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		85 - 120
Trifluorotoluene (Surr)	100		70 - 136
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115
1,2-Dichloroethane-d4 (Surr)	100		70 - 120

Lab Sample ID: LCSD 580-195492/6

Matrix: Water

Analysis Batch: 195492

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	21.6		ug/L		108	80 - 120	9	30
Toluene	20.0	22.4		ug/L		112	75 - 120	13	30
Ethylbenzene	20.0	22.2		ug/L		111	75 - 125	15	30
m-Xylene & p-Xylene	20.0	22.7		ug/L		113	75 - 130	15	30
o-Xylene	20.0	22.1		ug/L		110	80 - 120	19	30
Xylenes, Total	40.0	44.8		ug/L		112	75 - 125	17	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		85 - 120
Trifluorotoluene (Surr)	95		70 - 136
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	102		70 - 120

Lab Sample ID: MB 580-195639/5

Matrix: Water

Analysis Batch: 195639

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/22/15 14:26	1
Toluene	ND		2.0		ug/L			07/22/15 14:26	1
Ethylbenzene	ND		3.0		ug/L			07/22/15 14:26	1
Xylenes, Total	ND		3.0		ug/L			07/22/15 14:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120		07/22/15 14:26	1
Trifluorotoluene (Surr)	104		70 - 136		07/22/15 14:26	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/22/15 14:26	1
Dibromofluoromethane (Surr)	98		85 - 115		07/22/15 14:26	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 120		07/22/15 14:26	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCS 580-195639/6

Matrix: Water

Analysis Batch: 195639

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	20.9		ug/L		104	80 - 120
Toluene	20.0	21.8		ug/L		109	75 - 120
Ethylbenzene	20.0	21.3		ug/L		107	75 - 125
m-Xylene & p-Xylene	20.0	21.7		ug/L		109	75 - 130
o-Xylene	20.0	20.8		ug/L		104	80 - 120
Xylenes, Total	40.0	42.5		ug/L		106	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		85 - 120
Trifluorotoluene (Surr)	105		70 - 136
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	93		70 - 120

Lab Sample ID: LCSD 580-195639/7

Matrix: Water

Analysis Batch: 195639

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	19.5		ug/L		97	80 - 120	7	30
Toluene	20.0	20.6		ug/L		103	75 - 120	6	30
Ethylbenzene	20.0	19.8		ug/L		99	75 - 125	7	30
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	75 - 130	7	30
o-Xylene	20.0	19.4		ug/L		97	80 - 120	7	30
Xylenes, Total	40.0	39.6		ug/L		99	75 - 125	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	104		85 - 120
Trifluorotoluene (Surr)	106		70 - 136
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115
1,2-Dichloroethane-d4 (Surr)	90		70 - 120

Lab Sample ID: MB 580-195984/3

Matrix: Water

Analysis Batch: 195984

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/25/15 02:24	1
Toluene	ND		2.0		ug/L			07/25/15 02:24	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 02:24	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 02:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		07/25/15 02:24	1
Trifluorotoluene (Surr)	98		70 - 136		07/25/15 02:24	1
4-Bromofluorobenzene (Surr)	97		75 - 120		07/25/15 02:24	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: MB 580-195984/3

Matrix: Water

Analysis Batch: 195984

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		85 - 115		07/25/15 02:24	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 120		07/25/15 02:24	1

Lab Sample ID: LCS 580-195984/4

Matrix: Water

Analysis Batch: 195984

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	25.2	*	ug/L		126	80 - 120
Toluene	20.0	25.4	*	ug/L		127	75 - 120
Ethylbenzene	20.0	24.1		ug/L		121	75 - 125
m-Xylene & p-Xylene	20.0	24.4		ug/L		122	75 - 130
o-Xylene	20.0	25.3	*	ug/L		127	80 - 120
Xylenes, Total	40.0	49.7		ug/L		124	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		85 - 120
Trifluorotoluene (Surr)	91		70 - 136
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	105		85 - 115
1,2-Dichloroethane-d4 (Surr)	111		70 - 120

Lab Sample ID: MB 580-196010/4

Matrix: Water

Analysis Batch: 196010

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/25/15 14:04	1
Toluene	ND		2.0		ug/L			07/25/15 14:04	1
Ethylbenzene	ND		3.0		ug/L			07/25/15 14:04	1
Xylenes, Total	ND		3.0		ug/L			07/25/15 14:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		07/25/15 14:04	1
Trifluorotoluene (Surr)	99		70 - 136		07/25/15 14:04	1
4-Bromofluorobenzene (Surr)	101		75 - 120		07/25/15 14:04	1
Dibromofluoromethane (Surr)	97		85 - 115		07/25/15 14:04	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		07/25/15 14:04	1

Lab Sample ID: LCS 580-196010/5

Matrix: Water

Analysis Batch: 196010

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	19.8		ug/L		99	80 - 120
Toluene	20.0	21.0		ug/L		105	75 - 120
Ethylbenzene	20.0	20.1		ug/L		101	75 - 125

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCS 580-196010/5

Matrix: Water

Analysis Batch: 196010

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	20.0	20.4		ug/L		102	75 - 130
o-Xylene	20.0	20.5		ug/L		103	80 - 120
Xylenes, Total	40.0	40.9		ug/L		102	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	99		70 - 136
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	100		70 - 120

Lab Sample ID: 580-51746-16 MS

Matrix: Water

Analysis Batch: 196010

Client Sample ID: MW-32_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		200	240		ug/L		115	80 - 120
Toluene	ND	F1	200	242	F1	ug/L		121	75 - 120
m-Xylene & p-Xylene	ND		200	248		ug/L		113	75 - 130
o-Xylene	ND		200	238		ug/L		119	80 - 120
Xylenes, Total	ND		400	486		ug/L		122	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	98		85 - 120
Trifluorotoluene (Surr)	97		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	99		70 - 120

Lab Sample ID: 580-51746-16 MSD

Matrix: Water

Analysis Batch: 196010

Client Sample ID: MW-32_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		200	232		ug/L		111	80 - 120	4	30
Toluene	ND	F1	200	234		ug/L		117	75 - 120	3	30
m-Xylene & p-Xylene	ND		200	242		ug/L		111	75 - 130	2	30
o-Xylene	ND		200	231		ug/L		115	80 - 120	3	30
Xylenes, Total	ND		400	473		ug/L		118	75 - 125	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	98		85 - 120
Trifluorotoluene (Surr)	98		70 - 136
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	101		85 - 115
1,2-Dichloroethane-d4 (Surr)	96		70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: MB 580-196704/4

Matrix: Water

Analysis Batch: 196704

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			08/01/15 15:13	1
Toluene	ND		2.0		ug/L			08/01/15 15:13	1
Ethylbenzene	ND		3.0		ug/L			08/01/15 15:13	1
Xylenes, Total	ND		3.0		ug/L			08/01/15 15:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		08/01/15 15:13	1
Trifluorotoluene (Surr)	95		70 - 136		08/01/15 15:13	1
4-Bromofluorobenzene (Surr)	99		75 - 120		08/01/15 15:13	1
Dibromofluoromethane (Surr)	94		85 - 115		08/01/15 15:13	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		08/01/15 15:13	1

Lab Sample ID: LCS 580-196704/5

Matrix: Water

Analysis Batch: 196704

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	20.6		ug/L		103	80 - 120
Toluene	20.0	20.4		ug/L		102	75 - 120
Ethylbenzene	20.0	19.8		ug/L		99	75 - 125
m-Xylene & p-Xylene	20.0	20.1		ug/L		100	75 - 130
o-Xylene	20.0	20.2		ug/L		101	80 - 120
Xylenes, Total	40.0	40.3		ug/L		101	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		85 - 120
Trifluorotoluene (Surr)	97		70 - 136
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	104		70 - 120

Lab Sample ID: MB 580-197038/4

Matrix: Water

Analysis Batch: 197038

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			08/05/15 13:44	1
Toluene	ND		2.0		ug/L			08/05/15 13:44	1
Ethylbenzene	ND		3.0		ug/L			08/05/15 13:44	1
Xylenes, Total	ND		3.0		ug/L			08/05/15 13:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		08/05/15 13:44	1
Trifluorotoluene (Surr)	96		70 - 136		08/05/15 13:44	1
4-Bromofluorobenzene (Surr)	100		75 - 120		08/05/15 13:44	1
Dibromofluoromethane (Surr)	103		85 - 115		08/05/15 13:44	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 120		08/05/15 13:44	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCS 580-197038/5

Matrix: Water

Analysis Batch: 197038

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	21.4		ug/L		107	80 - 120
Toluene	20.0	22.0		ug/L		110	75 - 120
Ethylbenzene	20.0	22.1		ug/L		111	75 - 125
m-Xylene & p-Xylene	20.0	22.5		ug/L		113	75 - 130
o-Xylene	20.0	21.6		ug/L		108	80 - 120
Xylenes, Total	40.0	44.1		ug/L		110	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		85 - 120
Trifluorotoluene (Surr)	95		70 - 136
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	101		85 - 115
1,2-Dichloroethane-d4 (Surr)	105		70 - 120

Lab Sample ID: LCSD 580-197038/6

Matrix: Water

Analysis Batch: 197038

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	21.6		ug/L		108	80 - 120	1	30
Toluene	20.0	22.5		ug/L		113	75 - 120	3	30
Ethylbenzene	20.0	22.3		ug/L		111	75 - 125	1	30
m-Xylene & p-Xylene	20.0	22.8		ug/L		114	75 - 130	1	30
o-Xylene	20.0	21.6		ug/L		108	80 - 120	0	30
Xylenes, Total	40.0	44.4		ug/L		111	75 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	101		85 - 120
Trifluorotoluene (Surr)	95		70 - 136
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	102		70 - 120

Lab Sample ID: MB 580-197179/4

Matrix: Water

Analysis Batch: 197179

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			08/06/15 16:09	1
Toluene	ND		2.0		ug/L			08/06/15 16:09	1
Ethylbenzene	ND		3.0		ug/L			08/06/15 16:09	1
Xylenes, Total	ND		3.0		ug/L			08/06/15 16:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		08/06/15 16:09	1
Trifluorotoluene (Surr)	99		70 - 136		08/06/15 16:09	1
4-Bromofluorobenzene (Surr)	101		75 - 120		08/06/15 16:09	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: MB 580-197179/4

Matrix: Water

Analysis Batch: 197179

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		85 - 115		08/06/15 16:09	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 120		08/06/15 16:09	1

Lab Sample ID: LCS 580-197179/5

Matrix: Water

Analysis Batch: 197179

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	24.0		ug/L		120	80 - 120
Toluene	20.0	24.7	*	ug/L		123	75 - 120
Ethylbenzene	20.0	24.4		ug/L		122	75 - 125
m-Xylene & p-Xylene	20.0	24.7		ug/L		124	75 - 130
o-Xylene	20.0	24.6	*	ug/L		123	80 - 120
Xylenes, Total	40.0	49.3		ug/L		123	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		85 - 120
Trifluorotoluene (Surr)	91		70 - 136
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	104		85 - 115
1,2-Dichloroethane-d4 (Surr)	110		70 - 120

Lab Sample ID: LCSD 580-197179/6

Matrix: Water

Analysis Batch: 197179

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	27.1	*	ug/L		136	80 - 120	12	30
Toluene	20.0	27.8	*	ug/L		139	75 - 120	12	30
Ethylbenzene	20.0	27.9	*	ug/L		140	75 - 125	13	30
m-Xylene & p-Xylene	20.0	28.4	*	ug/L		142	75 - 130	14	30
o-Xylene	20.0	28.6	*	ug/L		143	80 - 120	15	30
Xylenes, Total	40.0	57.0	*	ug/L		143	75 - 125	14	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	102		85 - 120
Trifluorotoluene (Surr)	95		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	106		85 - 115
1,2-Dichloroethane-d4 (Surr)	106		70 - 120

Lab Sample ID: 580-51746-10 MS

Matrix: Water

Analysis Batch: 197179

Client Sample ID: MW-24_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		400	455	H	ug/L		110	80 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: 580-51746-10 MS

Matrix: Water

Analysis Batch: 197179

Client Sample ID: MW-24_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	ND		400	464	H	ug/L		116	75 - 120
Ethylbenzene	270		400	655	H	ug/L		96	75 - 125
m-Xylene & p-Xylene	ND		400	485	H	ug/L		118	75 - 130
o-Xylene	ND		400	461	H	ug/L		115	80 - 120
Xylenes, Total	ND		800	946	H	ug/L		118	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	104		85 - 120
Trifluorotoluene (Surr)	97		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	101		85 - 115
1,2-Dichloroethane-d4 (Surr)	98		70 - 120

Lab Sample ID: 580-51746-10 MSD

Matrix: Water

Analysis Batch: 197179

Client Sample ID: MW-24_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		400	482	H	ug/L		117	80 - 120	6	30
Toluene	ND		400	496	H F1	ug/L		124	75 - 120	7	30
Ethylbenzene	270		400	698	H	ug/L		107	75 - 125	6	30
m-Xylene & p-Xylene	ND		400	509	H	ug/L		124	75 - 130	5	30
o-Xylene	ND		400	491	H F1	ug/L		123	80 - 120	6	30
Xylenes, Total	ND		800	1000	H	ug/L		125	75 - 125	6	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	105		85 - 120
Trifluorotoluene (Surr)	95		70 - 136
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	100		85 - 115
1,2-Dichloroethane-d4 (Surr)	97		70 - 120

Lab Sample ID: MB 580-197795/4

Matrix: Water

Analysis Batch: 197795

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			08/13/15 11:42	1
Toluene	ND		2.0		ug/L			08/13/15 11:42	1
Ethylbenzene	ND		3.0		ug/L			08/13/15 11:42	1
Xylenes, Total	ND		3.0		ug/L			08/13/15 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		08/13/15 11:42	1
Trifluorotoluene (Surr)	96		70 - 136		08/13/15 11:42	1
4-Bromofluorobenzene (Surr)	97		75 - 120		08/13/15 11:42	1
Dibromofluoromethane (Surr)	96		85 - 115		08/13/15 11:42	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: MB 580-197795/4

Matrix: Water

Analysis Batch: 197795

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB %Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	70 - 120		08/13/15 11:42	1

Lab Sample ID: LCS 580-197795/5

Matrix: Water

Analysis Batch: 197795

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	22.8		ug/L		114	80 - 120
Toluene	20.0	23.5		ug/L		118	75 - 120
Ethylbenzene	20.0	23.1		ug/L		115	75 - 125
m-Xylene & p-Xylene	20.0	23.6		ug/L		118	75 - 130
o-Xylene	20.0	23.0		ug/L		115	80 - 120
Xylenes, Total	40.0	46.6		ug/L		117	75 - 125

Surrogate	LCS LCS %Recovery Qualifier	Limits
Toluene-d8 (Surr)	101	85 - 120
Trifluorotoluene (Surr)	97	70 - 136
4-Bromofluorobenzene (Surr)	97	75 - 120
Dibromofluoromethane (Surr)	99	85 - 115
1,2-Dichloroethane-d4 (Surr)	96	70 - 120

Lab Sample ID: LCSD 580-197795/6

Matrix: Water

Analysis Batch: 197795

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
Benzene	20.0	22.4		ug/L		112	80 - 120	2	30
Toluene	20.0	22.4		ug/L		112	75 - 120	5	30
Ethylbenzene	20.0	22.0		ug/L		110	75 - 125	5	30
m-Xylene & p-Xylene	20.0	22.5		ug/L		112	75 - 130	5	30
o-Xylene	20.0	21.4		ug/L		107	80 - 120	7	30
Xylenes, Total	40.0	43.9		ug/L		110	75 - 125	6	30

Surrogate	LCSD LCSD %Recovery Qualifier	Limits
Toluene-d8 (Surr)	96	85 - 120
Trifluorotoluene (Surr)	94	70 - 136
4-Bromofluorobenzene (Surr)	98	75 - 120
Dibromofluoromethane (Surr)	99	85 - 115
1,2-Dichloroethane-d4 (Surr)	98	70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 580-51746-7 MS

Matrix: Water

Analysis Batch: 195984

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene - DL	68	F1	200	337	F1	ug/L		134	75 - 130
Xylenes, Total - DL	68	F1	400	598	F1	ug/L		133	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr) - DL	91		85 - 120
Trifluorotoluene (Surr) - DL	86		70 - 136
4-Bromofluorobenzene (Surr) - DL	96		75 - 120
Dibromofluoromethane (Surr) - DL	107		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	123	X	70 - 120

Lab Sample ID: 580-51746-7 MSD

Matrix: Water

Analysis Batch: 195984

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene - DL	68	F1	200	338	F1	ug/L		135	75 - 130	0	30
Xylenes, Total - DL	68	F1	400	592	F1	ug/L		131	75 - 125	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr) - DL	96		85 - 120
Trifluorotoluene (Surr) - DL	89		70 - 136
4-Bromofluorobenzene (Surr) - DL	97		75 - 120
Dibromofluoromethane (Surr) - DL	105		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	111		70 - 120

Lab Sample ID: 580-51746-13 MS

Matrix: Water

Analysis Batch: 196010

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene - DL	73	F1	200	238		ug/L		82	75 - 130
Xylenes, Total - DL	73		400	421		ug/L		87	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr) - DL	98		85 - 120
Trifluorotoluene (Surr) - DL	98		70 - 136
4-Bromofluorobenzene (Surr) - DL	99		75 - 120
Dibromofluoromethane (Surr) - DL	100		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	99		70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 580-51746-13 MSD

Matrix: Water

Analysis Batch: 196010

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene - DL	73	F1	200	217	F1	ug/L	—	72	75 - 130	9	30
Xylenes, Total - DL	73		400	436		ug/L		91	75 - 125	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr) - DL	98		85 - 120
Trifluorotoluene (Surr) - DL	98		70 - 136
4-Bromofluorobenzene (Surr) - DL	95		75 - 120
Dibromofluoromethane (Surr) - DL	99		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	103		70 - 120

Lab Sample ID: 580-51746-16 MS

Matrix: Water

Analysis Batch: 196704

Client Sample ID: MW-32_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene - DL	970	H	2000	2890	H	ug/L	—	96	75 - 125		

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr) - DL	98		85 - 120
Trifluorotoluene (Surr) - DL	93		70 - 136
4-Bromofluorobenzene (Surr) - DL	97		75 - 120
Dibromofluoromethane (Surr) - DL	99		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	108		70 - 120

Lab Sample ID: 580-51746-16 MSD

Matrix: Water

Analysis Batch: 196704

Client Sample ID: MW-32_20150714

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	970	H	2000	3200	H	ug/L	—	111	75 - 125	10	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr) - DL	98		85 - 120
Trifluorotoluene (Surr) - DL	93		70 - 136
4-Bromofluorobenzene (Surr) - DL	94		75 - 120
Dibromofluoromethane (Surr) - DL	95		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	104		70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: MB 580-195806/5

Matrix: Water

Analysis Batch: 195806

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/23/15 13:40	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150					07/23/15 13:40	1
Trifluorotoluene (Surr)	111		50 - 150					07/23/15 13:40	1

Lab Sample ID: LCS 580-195806/6

Matrix: Water

Analysis Batch: 195806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1080		ug/L		93	79 - 110
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	99		50 - 150				
Trifluorotoluene (Surr)	113		50 - 150				

Lab Sample ID: LCSD 580-195806/7

Matrix: Water

Analysis Batch: 195806

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	1160	1120		ug/L		97	79 - 110	4	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		50 - 150						
Trifluorotoluene (Surr)	115		50 - 150						

Lab Sample ID: 580-51746-7 MS

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	12000		1160	12500	4	ug/L		59	50 - 150
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	374	X	50 - 150						
Trifluorotoluene (Surr)	161	X	50 - 150						

Lab Sample ID: 580-51746-7 MSD

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	12000		1160	12700	4	ug/L		72	50 - 150	1	35

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: 580-51746-7 MSD

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	370	X	50 - 150
Trifluorotoluene (Surr)	161	X	50 - 150

Lab Sample ID: 580-51746-10 MS

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-24_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	4200	F1	1160	4640	F1	ug/L		36	50 - 150
Surrogate	MS	MS							
	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	191	X	50 - 150						
Trifluorotoluene (Surr)	117		50 - 150						

Lab Sample ID: 580-51746-10 MSD

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-24_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	4200	F1	1160	4730	F1	ug/L		43	50 - 150	2	35
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	198	X	50 - 150								
Trifluorotoluene (Surr)	120		50 - 150								

Lab Sample ID: 580-51746-13 MS

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	9100		1160	10000	4	ug/L		82	50 - 150
Surrogate	MS	MS							
	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	371	X	50 - 150						
Trifluorotoluene (Surr)	136		50 - 150						

Lab Sample ID: 580-51746-13 MSD

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	9100		1160	10100	4	ug/L		86	50 - 150	0	35
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	370	X	50 - 150								
Trifluorotoluene (Surr)	136		50 - 150								

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: 580-51746-16 MS

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-32_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	9800		1160	10800	4	ug/L		88	50 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	340	X	50 - 150						
Trifluorotoluene (Surr)	126		50 - 150						

Lab Sample ID: 580-51746-16 MSD

Matrix: Water

Analysis Batch: 195806

Client Sample ID: MW-32_20150714

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	9800		1160	10400	4	ug/L		48	50 - 150	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	328	X	50 - 150								
Trifluorotoluene (Surr)	125		50 - 150								

Lab Sample ID: MB 580-195926/5

Matrix: Water

Analysis Batch: 195926

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/24/15 13:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		50 - 150						
Trifluorotoluene (Surr)	108		50 - 150						

Lab Sample ID: LCS 580-195926/6

Matrix: Water

Analysis Batch: 195926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1040		ug/L		89	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	98		50 - 150				
Trifluorotoluene (Surr)	111		50 - 150				

Lab Sample ID: LCSD 580-195926/7

Matrix: Water

Analysis Batch: 195926

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	1160	1100		ug/L		94	79 - 110	6	20

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCSD 580-195926/7

Matrix: Water

Analysis Batch: 195926

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		50 - 150
Trifluorotoluene (Surr)	114		50 - 150

Lab Sample ID: MB 580-196088/5

Matrix: Water

Analysis Batch: 196088

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/27/15 17:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150					07/27/15 17:43	1
Trifluorotoluene (Surr)	107		50 - 150					07/27/15 17:43	1

Lab Sample ID: LCS 580-196088/6

Matrix: Water

Analysis Batch: 196088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1080		ug/L		93	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	98		50 - 150				
Trifluorotoluene (Surr)	102		50 - 150				

Lab Sample ID: LCSD 580-196088/7

Matrix: Water

Analysis Batch: 196088

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	1160	982		ug/L		84	79 - 110	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		50 - 150						
Trifluorotoluene (Surr)	104		50 - 150						

Lab Sample ID: MB 580-196374/5

Matrix: Water

Analysis Batch: 196374

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			07/29/15 16:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150					07/29/15 16:50	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCS 580-196374/6

Matrix: Water

Analysis Batch: 196374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1060		ug/L		91	79 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		50 - 150
Trifluorotoluene (Surr)	114		50 - 150

Lab Sample ID: LCSD 580-196374/7

Matrix: Water

Analysis Batch: 196374

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	1160	1070		ug/L		92	79 - 110	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		50 - 150
Trifluorotoluene (Surr)	113		50 - 150

Lab Sample ID: MB 580-196900/5

Matrix: Water

Analysis Batch: 196900

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			08/04/15 14:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		08/04/15 14:31	1
Trifluorotoluene (Surr)	108		50 - 150		08/04/15 14:31	1

Lab Sample ID: LCS 580-196900/6

Matrix: Water

Analysis Batch: 196900

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1070		ug/L		92	79 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		50 - 150
Trifluorotoluene (Surr)	112		50 - 150

Lab Sample ID: LCSD 580-196900/7

Matrix: Water

Analysis Batch: 196900

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	1160	1060		ug/L		91	79 - 110	1	20

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: LCSD 580-196900/7

Matrix: Water

Analysis Batch: 196900

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		50 - 150
Trifluorotoluene (Surr)	109		50 - 150

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

Lab Sample ID: MB 580-195514/1-B

Matrix: Water

Analysis Batch: 195598

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/21/15 11:45	07/22/15 14:15	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/21/15 11:45	07/22/15 14:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150				07/21/15 11:45	07/22/15 14:15	1

Lab Sample ID: LCS 580-195514/2-B

Matrix: Water

Analysis Batch: 195598

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2000	1600		ug/L		80	59 - 120		
Motor Oil (>C24-C36)	2010	1630		ug/L		81	71 - 140		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	74		50 - 150						

Lab Sample ID: LCSD 580-195514/3-B

Matrix: Water

Analysis Batch: 195598

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 195514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1680		ug/L		84	59 - 120	5	27
Motor Oil (>C24-C36)	2010	1710		ug/L		85	71 - 140	5	27
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	77		50 - 150						

Lab Sample ID: 580-51746-7 MS

Matrix: Water

Analysis Batch: 195598

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Prep Batch: 195514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2500	F1 Y	1990	5030	F1	ug/L		127	59 - 120		
Motor Oil (>C24-C36)	ND	F1	2000	1870		ug/L		84	71 - 140		

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: 580-51746-7 MS

Matrix: Water

Analysis Batch: 195598

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Prep Batch: 195514

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	73		50 - 150

Lab Sample ID: 580-51746-7 MSD

Matrix: Water

Analysis Batch: 195598

Client Sample ID: MW-21_20150714

Prep Type: Total/NA

Prep Batch: 195514

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2500	F1 Y	2000	4110		ug/L		80	59 - 120	20	27
Motor Oil (>C24-C36)	ND	F1	2010	1550	F1	ug/L		68	71 - 140	18	27

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	67		50 - 150

Lab Sample ID: MB 580-195776/1-B

Matrix: Water

Analysis Batch: 195822

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/23/15 12:39	07/24/15 09:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/23/15 12:39	07/24/15 09:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	07/23/15 12:39	07/24/15 09:52	1

Lab Sample ID: LCS 580-195776/2-B

Matrix: Water

Analysis Batch: 195822

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1890		ug/L		95	59 - 120
Motor Oil (>C24-C36)	2010	2000		ug/L		100	71 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	85		50 - 150

Lab Sample ID: LCSD 580-195776/3-B

Matrix: Water

Analysis Batch: 195822

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 195776

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1760		ug/L		88	59 - 120	7	27
Motor Oil (>C24-C36)	2010	1880		ug/L		94	71 - 140	6	27

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	82		50 - 150

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: 580-51746-13 MS

Matrix: Water

Analysis Batch: 195822

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Prep Batch: 195776

Analysis Date: 10/01/22										Rep Date: 10/07/22									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits										
#2 Diesel (C10-C24)	2000	Y	1990	3610		ug/L		79	59 - 120										
Motor Oil (>C24-C36)	ND		2000	1820		ug/L		88	71 - 140										
Surrogate	MS %Recovery	MS Qualifier	Limits																
o-Terphenyl	78		50 - 150																

Lab Sample ID: 580-51746-13 MSD

Matrix: Water

Analysis Batch: 195822

Client Sample ID: MW-28_20150714

Prep Type: Total/NA

Prep Batch: 195776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	Y	2000	3800		ug/L		88	59 - 120	5	27
Motor Oil (>C24-C36)	ND		2010	1810		ug/L		87	71 - 140	1	27
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	75		50 - 150								

Lab Sample ID: 580-51746-16 MS

Matrix: Water

Analysis Batch: 195822

Client Sample ID: MW-32_20150714

Prep Type: Total/NA

Prep Batch: 195776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	990	Y	2040	2840		ug/L		91	59 - 120
Motor Oil (>C24-C36)	ND		2050	1790		ug/L		88	71 - 140
Surrogate	MS %Recovery	MS Qualifier	Limits						
o-Terphenyl	70		50 - 150						

Lab Sample ID: 580-51746-16 MSD

Matrix: Water

Analysis Batch: 195822

Client Sample ID: MW-32_20150714

Prep Type: Total/NA

Prep Batch: 195776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	990	Y	2040	2330		ug/L		65	59 - 120	20	27
Motor Oil (>C24-C36)	ND		2050	1630		ug/L		79	71 - 140	10	27
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	63		50 - 150								

Lab Sample ID: MB 580-196127/1-B

Matrix: Water

Analysis Batch: 196194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196127

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/27/15 14:23	07/28/15 18:07	1
Motor Oil (>C24-C36)	ND		250		ug/L		07/27/15 14:23	07/28/15 18:07	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-51746-1

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

Lab Sample ID: MB 580-196127/1-B

Matrix: Water

Analysis Batch: 196194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196127

Surrogate	MB MB %Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	07/27/15 14:23	07/28/15 18:07	1

Lab Sample ID: LCS 580-196127/2-B

Matrix: Water

Analysis Batch: 196194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1720		ug/L		86	59 - 120
Motor Oil (>C24-C36)	2010	1800		ug/L		90	71 - 140
Surrogate	LCS LCS %Recovery	Qualifier	Limits				
o-Terphenyl	88		50 - 150				

Lab Sample ID: LCSD 580-196127/3-B

Matrix: Water

Analysis Batch: 196194

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 196127

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1930		ug/L		97	59 - 120	12	27
Motor Oil (>C24-C36)	2010	2040		ug/L		102	71 - 140	12	27
Surrogate	LCSD LCSD %Recovery	Qualifier	Limits						
o-Terphenyl	95		50 - 150						

Lab Sample ID: 580-51746-10 MS

Matrix: Water

Analysis Batch: 196194

Client Sample ID: MW-24_20150714

Prep Type: Total/NA

Prep Batch: 196127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	820	Y	2010	2400		ug/L		78	59 - 120
Motor Oil (>C24-C36)	ND		2020	1730		ug/L		86	71 - 140
Surrogate	MS MS %Recovery	Qualifier	Limits						
o-Terphenyl	80		50 - 150						

Lab Sample ID: 580-51746-10 MSD

Matrix: Water

Analysis Batch: 196194

Client Sample ID: MW-24_20150714

Prep Type: Total/NA

Prep Batch: 196127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	820	Y	2020	2480		ug/L		82	59 - 120	3	27
Motor Oil (>C24-C36)	ND		2030	1810		ug/L		89	71 - 140	4	27
Surrogate	MSD MSD %Recovery	Qualifier	Limits								
o-Terphenyl	92		50 - 150								

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-1_20150713

Date Collected: 07/13/15 13:35

Date Received: 07/15/15 12:00

Lab Sample ID: 580-51746-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 14:41	AT	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 16:28	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 14:51	EKK	TAL SEA

Client Sample ID: MW-2_20150713

Date Collected: 07/13/15 13:00

Date Received: 07/15/15 12:00

Lab Sample ID: 580-51746-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 15:17	AT	TAL SEA
Total/NA	Analysis	8260B	DL	10	196704	08/01/15 21:03	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 17:00	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 15:09	EKK	TAL SEA

Client Sample ID: MW-19_20150713

Date Collected: 07/13/15 08:40

Date Received: 07/15/15 12:00

Lab Sample ID: 580-51746-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	196704	08/01/15 20:08	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 17:34	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 15:27	EKK	TAL SEA

Client Sample ID: MW-20_20150713

Date Collected: 07/13/15 10:40

Date Received: 07/15/15 12:00

Lab Sample ID: 580-51746-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 21:23	AT	TAL SEA
Total/NA	Analysis	8260B	RADL	10	197038	08/05/15 20:18	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 18:06	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 16:03	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Dup-1_20150714

Lab Sample ID: 580-51746-5

Date Collected: 07/14/15 06:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 16:12	AT	TAL SEA
Total/NA	Analysis	8260B	DL	10	196010	07/25/15 17:39	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 18:39	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 16:21	EKK	TAL SEA

Client Sample ID: Trip Blank-1_20150713

Lab Sample ID: 580-51746-6

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 14:13	AT	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 15:22	CJ	TAL SEA

Client Sample ID: MW-21_20150714

Lab Sample ID: 580-51746-7

Date Collected: 07/14/15 10:30

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 18:57	AT	TAL SEA
Total/NA	Analysis	8260B	DL	10	197038	08/05/15 19:50	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 19:45	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 16:39	EKK	TAL SEA

Client Sample ID: MW-22_20150713

Lab Sample ID: 580-51746-8

Date Collected: 07/13/15 15:15

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 16:40	AT	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 20:18	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 17:34	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-23_20150713

Lab Sample ID: 580-51746-9

Date Collected: 07/13/15 14:40

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 17:07	AT	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 20:51	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 17:52	EKK	TAL SEA

Client Sample ID: MW-24_20150714

Lab Sample ID: 580-51746-10

Date Collected: 07/14/15 07:50

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	196010	07/25/15 14:58	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 21:24	CJ	TAL SEA
Total/NA	Prep	3510C			196127	07/27/15 14:23	RBL	TAL SEA
Total/NA	Cleanup	3630C			196150	07/27/15 16:54	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	196194	07/28/15 18:30	EKK	TAL SEA

Client Sample ID: MW-25_20150714

Lab Sample ID: 580-51746-11

Date Collected: 07/14/15 08:45

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 17:35	AT	TAL SEA
Total/NA	Analysis	8260B	DL	10	196010	07/25/15 18:06	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 21:57	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 18:10	EKK	TAL SEA

Client Sample ID: MW-27_20150713

Lab Sample ID: 580-51746-12

Date Collected: 07/13/15 15:30

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 18:02	AT	TAL SEA
Total/NA	Analysis	8260B	DL	20	196704	08/01/15 20:35	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 22:29	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 18:28	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-28_20150714

Lab Sample ID: 580-51746-13

Date Collected: 07/14/15 08:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195235	07/18/15 18:29	AT	TAL SEA
Total/NA	Analysis	8260B	DL	10	196010	07/25/15 18:33	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 23:02	CJ	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 10:10	EKK	TAL SEA

Client Sample ID: MW-29_20150713

Lab Sample ID: 580-51746-14

Date Collected: 07/13/15 10:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	196704	08/01/15 16:06	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 23:35	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 18:46	EKK	TAL SEA

Client Sample ID: MW-31_20150713

Lab Sample ID: 580-51746-15

Date Collected: 07/13/15 10:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	196704	08/01/15 16:33	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/24/15 00:08	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	196900	08/05/15 00:22	TL1	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 19:22	EKK	TAL SEA

Client Sample ID: MW-32_20150714

Lab Sample ID: 580-51746-16

Date Collected: 07/14/15 08:50

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	196010	07/25/15 19:54	TL1	TAL SEA
Total/NA	Analysis	8260B	DL	100	196704	08/01/15 16:59	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/24/15 00:41	CJ	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 11:03	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Dup-2_20150714

Lab Sample ID: 580-51746-17

Date Collected: 07/14/15 06:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195492	07/21/15 18:30	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/24/15 01:46	CJ	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 19:40	EKK	TAL SEA

Client Sample ID: Trip Blank-2_20150713

Lab Sample ID: 580-51746-18

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195492	07/21/15 17:06	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/23/15 15:55	CJ	TAL SEA

Client Sample ID: MW-35_20150713

Lab Sample ID: 580-51746-19

Date Collected: 07/13/15 09:40

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	196704	08/01/15 18:20	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/24/15 02:19	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	196900	08/05/15 00:55	TL1	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 19:58	EKK	TAL SEA

Client Sample ID: MW-36_20150713

Lab Sample ID: 580-51746-20

Date Collected: 07/13/15 09:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	196704	08/01/15 18:47	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195806	07/24/15 02:51	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	196900	08/05/15 01:28	TL1	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 20:16	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-37_20150713

Lab Sample ID: 580-51746-21

Date Collected: 07/13/15 14:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195984	07/25/15 09:33	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195926	07/24/15 15:53	D1R	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 20:34	EKK	TAL SEA

Client Sample ID: MW-38_20150714

Lab Sample ID: 580-51746-22

Date Collected: 07/14/15 08:30

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	196010	07/25/15 22:08	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 21:13	D1R	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 20:52	EKK	TAL SEA

Client Sample ID: MW-39_20150713

Lab Sample ID: 580-51746-23

Date Collected: 07/13/15 13:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195984	07/25/15 10:00	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195926	07/24/15 16:59	D1R	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 21:10	EKK	TAL SEA

Client Sample ID: MW-40_20150713

Lab Sample ID: 580-51746-24

Date Collected: 07/13/15 10:50

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195984	07/25/15 10:27	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195926	07/24/15 17:32	D1R	TAL SEA
Total/NA	Prep	3510C			195514	07/21/15 11:45	RBL	TAL SEA
Total/NA	Cleanup	3630C			195558	07/21/15 15:08	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195598	07/22/15 21:28	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-41_20150714

Lab Sample ID: 580-51746-25

Date Collected: 07/14/15 11:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	196010	07/25/15 15:26	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 21:46	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 11:58	EKK	TAL SEA

Client Sample ID: MW-42_20150714

Lab Sample ID: 580-51746-26

Date Collected: 07/14/15 11:25

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	196010	07/25/15 15:52	TL1	TAL SEA
Total/NA	Analysis	8260B	DL	100	196704	08/01/15 19:15	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/30/15 01:02	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 12:34	EKK	TAL SEA

Client Sample ID: MW-43_20150714

Lab Sample ID: 580-51746-27

Date Collected: 07/14/15 11:45

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	196010	07/25/15 16:19	TL1	TAL SEA
Total/NA	Analysis	8260B	DL	100	196704	08/01/15 19:42	ANA	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/30/15 01:35	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 12:52	EKK	TAL SEA

Client Sample ID: Dup-3_20150714

Lab Sample ID: 580-51746-28

Date Collected: 07/14/15 08:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	196010	07/25/15 16:47	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 22:51	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 13:10	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Trip Blank-3_20150713

Lab Sample ID: 580-51746-29

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195984	07/25/15 03:17	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 18:29	D1R	TAL SEA

Client Sample ID: MW-44_20150713

Lab Sample ID: 580-51746-30

Date Collected: 07/13/15 15:45

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	197795	08/13/15 18:36	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 23:24	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 13:28	EKK	TAL SEA

Client Sample ID: MW-45_20150714

Lab Sample ID: 580-51746-31

Date Collected: 07/14/15 08:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	196010	07/25/15 17:13	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 22:19	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 13:46	EKK	TAL SEA

Client Sample ID: MW-47_20150714

Lab Sample ID: 580-51746-32

Date Collected: 07/14/15 09:25

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	196010	07/25/15 22:35	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 20:07	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 14:04	EKK	TAL SEA

Client Sample ID: MW-48_20150714

Lab Sample ID: 580-51746-33

Date Collected: 07/14/15 10:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	196010	07/25/15 23:02	TL1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-48_20150714

Lab Sample ID: 580-51746-33

Date Collected: 07/14/15 10:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 19:02	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 14:22	EKK	TAL SEA

Client Sample ID: MW-49_20150713

Lab Sample ID: 580-51746-34

Date Collected: 07/13/15 13:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195984	07/25/15 10:54	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195926	07/24/15 23:34	D1R	TAL SEA
Total/NA	Prep	3510C			196127	07/27/15 14:23	RBL	TAL SEA
Total/NA	Cleanup	3630C			196150	07/27/15 16:54	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	196194	07/28/15 19:38	EKK	TAL SEA

Client Sample ID: MW-50_20150713

Lab Sample ID: 580-51746-35

Date Collected: 07/13/15 12:40

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195984	07/25/15 11:21	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195926	07/25/15 00:07	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 14:58	EKK	TAL SEA

Client Sample ID: MW-51_20150713

Lab Sample ID: 580-51746-36

Date Collected: 07/13/15 14:20

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195639	07/22/15 19:29	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195926	07/25/15 00:39	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 15:16	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: MW-52_20150714

Lab Sample ID: 580-51746-37

Date Collected: 07/14/15 11:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195639	07/22/15 19:56	CJ	TAL SEA
Total/NA	Analysis	8260B	DL2	50	197038	08/05/15 19:22	D1R	TAL SEA
Total/NA	Analysis	8260B	DL	10	196010	07/25/15 21:14	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 23:57	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 15:52	EKK	TAL SEA

Client Sample ID: MW-53_20150713

Lab Sample ID: 580-51746-38

Date Collected: 07/13/15 09:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	197795	08/13/15 17:39	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/30/15 02:08	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 16:10	EKK	TAL SEA

Client Sample ID: IW-1_20150714

Lab Sample ID: 580-51746-39

Date Collected: 07/14/15 09:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195639	07/22/15 21:18	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196374	07/29/15 19:35	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 16:28	EKK	TAL SEA

Client Sample ID: Dup-4_20150714

Lab Sample ID: 580-51746-40

Date Collected: 07/14/15 10:30

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	196010	07/25/15 21:41	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	195926	07/25/15 03:24	D1R	TAL SEA
Total/NA	Prep	3510C			195776	07/23/15 12:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			195846	07/23/15 17:52	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	195822	07/24/15 16:46	EKK	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-51746-1

Client Sample ID: Trip Blank-4_20150713

Lab Sample ID: 580-51746-41

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195639	07/22/15 18:34	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196088	07/27/15 19:22	D1R	TAL SEA

Client Sample ID: Trip Blank-5_20150713

Lab Sample ID: 580-51746-42

Date Collected: 07/13/15 00:00

Matrix: Water

Date Received: 07/15/15 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195639	07/22/15 19:01	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	196088	07/27/15 19:54	D1R	TAL SEA

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 580-51746-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-17
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-15
US Fish & Wildlife	Federal		LE192332-0	02-28-16
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-16

Sample Summary

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

TestAmerica Job ID: 580-51746-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-51746-1	MW-1_20150713	Water	07/13/15 13:35	07/15/15 12:00
580-51746-2	MW-2_20150713	Water	07/13/15 13:00	07/15/15 12:00
580-51746-3	MW-19_20150713	Water	07/13/15 08:40	07/15/15 12:00
580-51746-4	MW-20_20150713	Water	07/13/15 10:40	07/15/15 12:00
580-51746-5	Dup-1_20150714	Water	07/14/15 06:00	07/15/15 12:00
580-51746-6	Trip Blank-1_20150713	Water	07/13/15 00:00	07/15/15 12:00
580-51746-7	MW-21_20150714	Water	07/14/15 10:30	07/15/15 12:00
580-51746-8	MW-22_20150713	Water	07/13/15 15:15	07/15/15 12:00
580-51746-9	MW-23_20150713	Water	07/13/15 14:40	07/15/15 12:00
580-51746-10	MW-24_20150714	Water	07/14/15 07:50	07/15/15 12:00
580-51746-11	MW-25_20150714	Water	07/14/15 08:45	07/15/15 12:00
580-51746-12	MW-27_20150713	Water	07/13/15 15:30	07/15/15 12:00
580-51746-13	MW-28_20150714	Water	07/14/15 08:00	07/15/15 12:00
580-51746-14	MW-29_20150713	Water	07/13/15 10:20	07/15/15 12:00
580-51746-15	MW-31_20150713	Water	07/13/15 10:00	07/15/15 12:00
580-51746-16	MW-32_20150714	Water	07/14/15 08:50	07/15/15 12:00
580-51746-17	Dup-2_20150714	Water	07/14/15 06:20	07/15/15 12:00
580-51746-18	Trip Blank-2_20150713	Water	07/13/15 00:00	07/15/15 12:00
580-51746-19	MW-35_20150713	Water	07/13/15 09:40	07/15/15 12:00
580-51746-20	MW-36_20150713	Water	07/13/15 09:20	07/15/15 12:00
580-51746-21	MW-37_20150713	Water	07/13/15 14:00	07/15/15 12:00
580-51746-22	MW-38_20150714	Water	07/14/15 08:30	07/15/15 12:00
580-51746-23	MW-39_20150713	Water	07/13/15 13:20	07/15/15 12:00
580-51746-24	MW-40_20150713	Water	07/13/15 10:50	07/15/15 12:00
580-51746-25	MW-41_20150714	Water	07/14/15 11:00	07/15/15 12:00
580-51746-26	MW-42_20150714	Water	07/14/15 11:25	07/15/15 12:00
580-51746-27	MW-43_20150714	Water	07/14/15 11:45	07/15/15 12:00
580-51746-28	Dup-3_20150714	Water	07/14/15 08:20	07/15/15 12:00
580-51746-29	Trip Blank-3_20150713	Water	07/13/15 00:00	07/15/15 12:00
580-51746-30	MW-44_20150713	Water	07/13/15 15:45	07/15/15 12:00
580-51746-31	MW-45_20150714	Water	07/14/15 08:20	07/15/15 12:00
580-51746-32	MW-47_20150714	Water	07/14/15 09:25	07/15/15 12:00
580-51746-33	MW-48_20150714	Water	07/14/15 10:20	07/15/15 12:00
580-51746-34	MW-49_20150713	Water	07/13/15 13:00	07/15/15 12:00
580-51746-35	MW-50_20150713	Water	07/13/15 12:40	07/15/15 12:00
580-51746-36	MW-51_20150713	Water	07/13/15 14:20	07/15/15 12:00
580-51746-37	MW-52_20150714	Water	07/14/15 11:00	07/15/15 12:00
580-51746-38	MW-53_20150713	Water	07/13/15 09:00	07/15/15 12:00
580-51746-39	IW-1_20150714	Water	07/14/15 09:00	07/15/15 12:00
580-51746-40	Dup-4_20150714	Water	07/14/15 10:30	07/15/15 12:00
580-51746-41	Trip Blank-4_20150713	Water	07/13/15 00:00	07/15/15 12:00
580-51746-42	Trip Blank-5_20150713	Water	07/13/15 00:00	07/15/15 12:00

TestAmerica Seattle

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yy): 5/17/16 Rush TAT: Yes No

BP/ARC Facility No: Allen Station Lab Work Order Number: 51746

Lab Name: Test America	BP/ARC Facility Address: 16292 Overell Road	Consultant/Contractor: Antea Group
Lab Address: Tacoma, WA	City, State, ZIP Code: Mt. Vernon WA 98421	Consultant/Contractor Project No: WAALLHA151
Lab PM: Robert Greer	Lead Regulatory Agency: WA Department of Ecology	Address: 4006 148th Avenue NE, Redmond, WA 98052
Lab Phone: 253.922.2310	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard
Lab Shipping Accont: NA	Enfos Proposal No: 006SM-0007/WR287477	Phone: P: 425.498.7711 F: 425.869.1892
Lab Bottle Order No: NA	Accounting Mode: Provision <u> </u> OOC-BU <u> </u> OOC-RM <u> </u>	Email EDD To: <u>Megan.Richard@anteagroup.com</u>
Other Info:	Stage: 6_OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To: BP/ARC <u> </u> Contractor <u> </u>

Lab No.	Sample Description	Date	Time	No. Containers / Preservative						Requested Analyses				Report Type & QC Level	
				Matrix	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH Zn Acetate	NWTPH-GX	NWTPH-DX	Standard <u> </u> Y <u> </u>	Full Data Package <u> </u>
-1	MW-1_20150713	7.13.15	1335	X	8				8			X	X		TR
-2	MW-2_20150713	7.13.15	1300	X	8				8			X	X		TR
-3	MW-3_20150713	7.13.15	0840	X	8				8			X	X		TR
-4	MW-4_20150713	7.13.15	1040	X	8				8			X	X		TR

Sampler's Name: Joe Ghorner, Ken Davis, Lauren Hamerton

Sampler's Company: Antea Group

Shipment Method: Courier Ship Date: 7.15.14

Shipment Tracking No: T Roberts

Special Instructions: T Roberts / LA 7/15/15

THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No



580-51746 Chain of Custody

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yy): Standard Rush TAT: Yes 517460 No
BP/ARC Facility No: Allen Station Lab Work Order Number:

Lab Name: <u>Test America</u>	BP/ARC Facility Address: <u>16292 Ovenell Road</u>	Consultant/Contractor: <u>Antea Group</u>
Lab Address: <u>Tacoma, WA</u>	City, State, ZIP Code: <u>WA 98421</u>	Contractor Project No: <u>WAALLHA151</u>
Lab PM: <u>Robert Greer</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.922.2310</u>	California Global ID No.: <u>NA</u>	Consultant/Contractor PM: <u>Megan Richard</u>
Lab Shipping Acct: <u>NA</u>	Entos Proposal No: <u>006SM-0007/WR287477</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:	Stage: <u>6_OM&M/Other (60) Activity: OM&M Spend (81)</u>	Invoice To: <u>BP/ARC X Contractor</u>

BP/ARC EBM: Paul Supply			Requested Analyses			Report Type & QC Level											
EBM Phone: 925-275-3801						Standard <u>Y</u>											
EBM Email: paul.supple@bp.com						Full Data Package <u> </u>											
Lab No.	Sample Description	Date	Time	Matrix			No. Containers / Preservative			Requested Analyses						Comments	
				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
-5	Dup-1_ 20150714	7-14-15	0600		X		8					X	X	X		Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
-6	Trip Blank-1_ 20150713	7-13-15	0000		X		6					X	X				
-7	MW-21_ 20150714	7-14-15	1030		X		24					X	X	X			ms/msD
-8	MW-22_ 20150713	7-13-15	1515		X		8					X	X	X			
-9	MW-23_ 20150713	7-13-15	1440		X		8					X	X	X			
-10	MW-24_ 20150714	7-14-15	0750		X		24					X	X	X			ms/msD
-11	MW-25_ 20150714	7-14-15	0845		X		8					X	X	X			
-12	MW-27_ 20150713	7-13-15	1530		X		8					X	X	X			
-13	MW-28_ 20150714	7-14-15	0800		X		24					X	X	X			ms/msD
-14	MW-29_ 20150713	7-13-15	1020		X		8					X	X	X			

Sampler's Name: <u>be glower, ken Davis, Lauren Hamilton</u>	Relinquished By / Affiliation	Date	Time
Sampler's Company: <u>Antea Group</u>	<u>T Roberts / AOTSA</u>	<u>7-15-15</u>	<u>1200</u>
Shipment Method: <u>Pourier</u>	Ship Date: <u>7-15-14</u>		
Shipment Tracking No:			
Special Instructions:			
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No			
Temp Blank: Yes / No			
Cooler Temp on Receipt: °F/C			
Trip Blank: Yes / No			
MS/MSD Sample Submitted: Yes / No			

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Standard Rush TAT: Yes 51746 No
 BP/ARC Facility No: Allen Station Lab Work Order Number: 51746

Lab Name: Test America	BP/ARC Facility Address: 16292 Overell Road	Consultant/Contractor: Antea Group
Lab Address: Tacoma, WA	City, State, ZIP Code: Mt. Vernon WA 98421	Consultant/Contractor Project No: WAALLHA151
Lab PM: Robert Greer	Lead Regulatory Agency: WA Department of Ecology	Address: 4006 148th Avenue NE, Redmond, WA 98052
Lab Phone: 253.922.2310	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard
Lab Shipping Acct: NA	Enfos Proposal No: 006SM-0007 / WR287477	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@antegroup.com</u>
Other Info:	Stage: 6_OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To: BP/ARC ☒ Contractor ☐

Lab No.		Sample Description	Date	Time	Requested Analyses										Report Type & QC Level	
					Matrix	No. Containers / Preservative					Time					Standard ☒ Full Data Package ☐
					Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	NWTPH-GX	NWTPH-DX
-15	MW-31_20150713		7-13-15	1000	X			8				8		X	X	X
-16	MW-32_20150714		7-14-15	0850	X			24				24		X	X	X
-17	Dup-2_20150714		7-14-15	0620	X			8				8		X	X	X
-18	Trip Blank-2_20150713		7-13-15	0000	X			6				6		X	X	X
	MW-34				X									X	X	X
-19	MW-35_20150713		7-13-15	0940	X			8				8		X	X	X
-20	MW-36_20150713		7-13-15	0920	X			8				8		X	X	X
-21	MW-37_20150713		7-13-15	1400	X			8				8		X	X	X
-22	MW-38_20150714		7-14-15	0830	X			8				8		X	X	X
-23	MW-39_20150713		7-13-15	1320	X			8				8		X	X	X

Sampler's Name: <u>Joe Greer, Lauren Hamilton, Ken Diller</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Antea Group</u>						
Shipment Method: <u>Trailer</u>	Ship Date: <u>7-15-15</u>					
Shipment Tracking No:						
Special Instructions:						
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No ☐ Temp Blank: Yes / No ☐ Cooler Temp on Receipt: <u>7-15-15</u> °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 517460 No
 Lab Work Order Number:

Lab Name: Test America	BP/ARC Facility Address: 16292 Overell Road	Consultant/Contractor: Antea Group
Lab Address: Tacoma, WA	City, State, ZIP Code: Mt. Vernon WA 98421	Consultant/Contractor Project No: WAALLHA151
Lab PM: Robert Greer	Lead Regulatory Agency: WA Department of Ecology	Address: 4006 148th Avenue NE, Redmond, WA 98052
Lab Phone: 253.922.2310	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard
Lab Shipping Acct: NA	Enfos Proposal No: 006SM-00071 WR287477	Phone: P: 425.498.7711 F: 425.869.1892
Lab Bottle Order No: NA	Accounting Mode: Provision X OOC-BU OOC-RM	Email EDD To: Megan.Richard@anteagroup.com
Other Info:	Stage: 6_OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To: BP/ARC X Contractor

BP/ARC EBM: Paul Supple				Matrix		No. Containers / Preservative								Requested Analyses					Report Type & QC Level																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
EBM Phone: 925-275-3801				Water / Liquid		Air / Vapor		Total Number of Containers								8260BTEX					NWTPH-GX					NWTPH-DX					Standard <u> </u> Y_																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
EBM Email: paul.supple@bp.com				Soil / Solid				Unpreserved								H ₂ SO ₄					HNO ₃					HCl					Methanol					NaOH zn Acetate					Full Data Package <u> </u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Lab No.	Sample Description	Date	Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Sampler's Name: Joe Glover / Ken Davis / Lauren Taylor	Relinquished By / Affiliation: T Roberts / Antea	Date: 7-15-15	Time: 1200	Accepted By / Affiliation: Z Zep / TA-SEA	Date: 7/15/15	Time: 1200	
Shipment Method: Courier	Ship Date: 7-15-15						
Special Instructions:							
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No		Temp Blank: Yes / No		Cooler Temp on Receipt: °F/C		Trip Blank: Yes / No	
						MS/MSD Sample Submitted: Yes / No	

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yyyy): Standard Rush TAT: Yes 51746 No 51746

BP/ARC Facility No: Allen Station Lab Work Order Number: 51746

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	Contractor Project No: WAALLHA151
Lab PM: Robert Greer	Lead Regulatory Agency: WA Department of Ecology	Address: 4006 148th Avenue NE, Redmond, WA 98052
Lab Phone: 253.922.2310	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard
Lab Shipping Acct: NA	Enfos Proposal No: 006SM-0007/ WR287477	Phone: P: 425.498.7711 F: 425.889.1892
Lab Bottle Order No: NA	Accounting Mode: Provision X OOC-BU OOC-RM	Email EDD To: Megan.Richard@anteagroup.com
Other Info:	Stage: 6_OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To: BP/ARC X Contractor

Lab No.	Sample Description	Date	Time	No. Containers / Preservative										Requested Analyses				Report Type & QC Level	
				Matrix	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	8260BTEX	NWTPH-GX	NWTPH-DX				Standard	Full Data Package
34	MW-49_ 20150713	7-13-15	1300	Soil / Solid	8				8			X	X	X					
35	MW-50_ 20150713	7-13-15	1240	Water / Liquid	8				8			X	X	X					
36	MW-51_ 20150713	7-13-15	1420	Air / Vapor	8				8			X	X	X					
37	MW-52_ 20150714	7-14-15	1100	Soil / Solid	24				24			X	X	X				ms/msD	
38	MW-53_ 20150713	7-13-15	0900	Water / Liquid	8				8			X	X	X					
39	MW-54_ 20150714	7-14-15	0900	Air / Vapor	8				8			X	X	X					
40	DUP #4- 20150714	7-14-15	1030	Water / Liquid	8				8			X	X	X					
41	Tripblank 4_ 20150713	7-13-15	0800	Water / Liquid	6				6			X	X	X					
42	Tripblank 5_ 20150713	7-13-15	0800	Water / Liquid	6				6			X	X	X					

Sampler's Name: Joe Glorioso / Ken Davis / Lauren H. Relinquished By / Affiliation: T. Roberts / Antea Date: 7-15-15 Time: 1700 Accepted By / Affiliation: T. Roberts / T A-SEA Date: 7-15-15 Time: 1200

Sampler's Company: Antea Group

Shipment Method: Courier Ship Date: 7-15-15

Shipment Tracking No:

Special Instructions:

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

Laboratory Management Program LaMP Chain of Custody Record

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: 51746

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>WAALLHA151</u>
Lab PM: <u>Robert Greer</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.922.2310</u>	California Global ID No.: <u>NA</u>	Consultant/Contractor PM: <u>Megan Richard</u>
Lab Shipping Acct: <u>NA</u>	Entos Proposal No: <u>006SM-00071 WR287477</u>	Phone: <u>P: 425.498.7711 F: 425.869.1892</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: <u>Provision</u> <u>X</u> <u>OOC-BU</u> <u>OOC-RM</u>	Email EDD To: <u>Megan.Richard@anteagroup.com</u>
Other Info:	Stage: <u>6_OM&M/Other (60)</u> Activity: <u>OM&M Spend (81)</u>	Invoice To: <u>BP/ARC</u> <u>X</u> Contractor <u>_____</u>

Lab No.	Sample Description	Date	Time	Requested Analyses										Report Type & QC Level	
				Matrix	No. Containers / Preservative										Standard <u>Y</u>
				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HCl	Methanol	NaOH Zn Acetate	NWTPH-GX	NWTPH-DX	Full Data Package <u>_____</u>
-1	MW-1_20150713	7.13.15	1335	X	X		8			8		X	X	X	<u>TR</u>
-2	MW-2_20150713	7.13.15	1300	X	X		8			8		X	X	X	
	MW-0_			X	X							X	X	X	<u>TR</u>
	MW-12_			X	X							X	X	X	<u>TR</u>
	MW-14_			X	X							X	X	X	<u>TR</u>
	MW-17A_			X	X							X	X	X	<u>TR</u>
	MW-18_			X	X							X	X	X	<u>TR</u>
-3	MW-19_20150713	7.13.15	0840	X	X		8			8		X	X	X	
-4	MW-20_20150713	7.13.15	1040	X	X		8			8		X	X	X	

Sampler's Name: Joe Greer, Ken Davis, Lauren Hamilton Relinquished By / Affiliation Antea Group

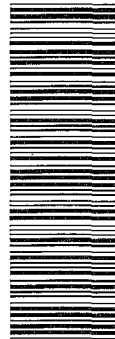
Sampler's Company: Antea Group Ship Date: 7.15.14

Shipment Method: Courier Ship Date: 7.15.14

Shipment Tracking No: _____

Special Instructions: _____

THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No _____



580-51746 Chain of Custody

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yy): Standard Rush TAT: Yes 51746 No
BP/ARC Facility No: Allen Station Lab Work Order Number: 51746

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>WAALLHA151</u>
Lab PM: <u>Robert Greer</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.922.2310</u>	California Global ID No.: <u>NA</u>	Consultant/Contractor PM: <u>Megan Richard</u>
Lab Shipping Acct: <u>NA</u>	Elifos Proposal No: <u>006SM-0007/WR287477</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:	Stage: <u>6 OM&M/Other (60) Activity: OM&M Spend (81)</u>	Invoice To: <u>BP/ARC X Contractor</u>

BP/ARC EBM: Paul Supple				Requested Analyses										Report Type & QC Level						
EBM Phone: 925-275-3801														Standard <u>Y</u>						
EBM Email: paul.supple@bp.com														Full Data Package <u> </u>						
Lab No.	Sample Description	Date	Time	Matrix			No. Containers / Preservative						Requested Analyses				Comments			
				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH zn Acetate	NWTPH-GX	NWTPH-DX					
-5	Dup-1_20150714	7.14.15	0600	X			8						X	X					Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
-6	Trip Blank-1_20150713	7.13.15	0600	X			6						X	X						
-7	MW-21_20150714	7.14.15	1030	X			24						X	X						ms/msD
-8	MW-22_20150713	7.13.15	1515	X			8						X	X						
-9	MW-23_20150713	7.13.15	1440	X			8						X	X						
-10	MW-24_20150714	7.14.15	0750	X			24						X	X						ms/msD
-11	MW-25_20150714	7.14.15	0845	X			8						X	X						
-12	MW-27_20150713	7.13.15	1530	X			8						X	X						
-13	MW-28_20150714	7.14.15	0800	X			24						X	X						ms/msD
-14	MW-29_20150713	7.13.15	1020	X			8						X	X						
BP/ARC EBM: Paul Supple				Relinquished By / Affiliation					Date					Time						
EBM Phone: 925-275-3801				T. Roberts / Antea					7.15.15					1200						
EBM Email: paul.supple@bp.com				Ship Date: 7.15.14																
Shipment Method: Courier				Ship Date: 7.15.14																
Shipment Tracking No:																				

Special Instructions:

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

BP/ARC LaMP COC Rev. 6 07/01/2009

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yy): Standard Rush TAT: Yes No
BP/ARC Facility No: Allen Station Lab Work Order Number: 51746

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>WAALLHA151</u>
Lab PM: <u>Robert Greer</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.922.2310</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>006SM-0007/WR287477</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</u> OOC-RM <u>_____</u>	Email EDD To: <u>Megan.Richard@anteagroup.com</u>
Other Info:	Stage: <u>6_OM&M/Other (60)</u> Activity: <u>OM&M Spend (81)</u>	Invoice To: <u>BP/ARC X Contractor _____</u>

BP/ARC EBM: Paul Supple				Requested Analyses										Report Type & QC Level				
EBM Phone: 925-275-3801														Standard <u>Y</u>				
EBM Email: paul.supple@bp.com														Full Data Package <u> </u>				
Lab No.	Sample Description	Date	Time	Matrix		No. Containers / Preservative							Requested Analyses					Comments
				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		
-15	MW-31_ 20150713	7-13-15	1000		X		8						X	X	X			Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.
-16	MW-32_ 20150714	7-14-15	0850		X		24						X	X	X			
-17	Dup-2_ 20150714	7-14-15	0620		X		8						X	X	X			
-18	Trip Blank-2_ 20150713	7-13-15	0000		X		6						X	X				
MW-34_	20150713	7-13-15	0940	X			8						X	X	X			
21	MW-35_ 20150713	7-13-15	0940	X			8						X	X	X			
-20	MW-36_ 20150713	7-13-15	0920		X		8						X	X	X			
-21	MW-37_ 20150713	7-13-15	1400		X		8						X	X	X			
-22	MW-38_ 20150714	7-14-15	0830		X		8						X	X	X			
-23	MW-39_ 20150713	7-13-15	1320		X		8						X	X	X			

Sampler's Name: Joe Greener, Lauren Hamilton, Ken Davis Relinquished By / Affiliation: Antea Group
 Sampler's Company: Antea Group Ship Date: 7-15-15
 Shipment Method: POURER
 Shipment Tracking No: Taylor Roberts

Special Instructions: _____
 THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No _____ Temp Blank: Yes / No _____ Cooler Temp on Receipt: _____ °F/C _____ Trip Blank: Yes / No _____ MS/MSD Sample Submitted: Yes / No _____
 BP/ARC LaMP COC Rev. 6 01/01/2009



Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yy): Standard Rush TAT: Yes 517460 No
BP/ARC Facility No: Allen Station Lab Work Order Number:

Lab Name: <u>Test America</u>	BP/ARC Facility Address: <u>16292 Ovenell Road</u>	Consultant/Contractor: <u>Antea Group</u>
Lab Address: <u>Tacoma, WA</u>	City, State, ZIP Code: <u>Mt. Vernon WA 98421</u>	Consultant/Contractor Project No: <u>WAALLHA151</u>
Lab PM: <u>Robert Greer</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.922.2310</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>006SM-00071 WR287477</u>	Phone: <u>P: 425.498.7711 F: 425.869.1892</u>
Lab Bottle Order No: <u>NA</u>	Accounting Mode: <u>Provision X</u> OOC-BU <u> </u> OOC-RM <u> </u>	Email EDD To: <u>Megan.Richard@anteagroup.com</u>
Other Info:	Stage: <u>6_OM&M/Other (60)</u> Activity: <u>OM&M Spend (81)</u>	Invoice To: <u>BP/ARC X</u> Contractor <u> </u>

BP/ARC EBM: <u>Paul Supple</u>	Matrix	No. Containers / Preservative	Requested Analyses										Report Type & QC Level	
EBM Phone: <u>925-275-3801</u>													Standard <u>Y</u>	
EBM Email: <u>paul.supple@bp.com</u>													Full Data Package <u> </u>	

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	NaOH Zn Acetate	8260BTEX	NWTPH-GX	NWTPH-DX	Comments	
-24	MW-40_ 20150713	7.13.15	1050		X		8							X	X	X		Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.
25	MW-41_ 20150714	7.14.15	1100		X		8							X	X	X		
-26	MW-42_ 20150714	7.14.15	1125		X		8							X	X	X		
-27	MW-43_ 20150714	7.14.15	1145		X		8							X	X	X		
-28	Dup-3_ 20150714	7.14.15	0820		X		8							X	X	X		
-29	Trip Blank-3_ 20150713	7.13.15	0600		X		6							X	X	X		
-30	MW-44_ 20150713	7.13.15	1545		X		8							X	X	X		
-31	MW-45_ 20150714	7.14.15	0820		X		8							X	X	X		
-32	MW-47_ 20150714	7.14.15	0925		X		8							X	X	X		
-33	MW-48_ 20150714	7.14.15	1020		X		8							X	X	X		

Sampler's Name: <u>Joe Glover / Ken Davis / Lauren Taylor</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Antea Group</u>						
Shipment Method: <u>Pourier</u>	Ship Date: <u>7.15.15</u>					
Shipment Tracking No:						

Special Instructions:

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

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yy): Standard Rush TAT: Yes 51746 No
BP/ARC Facility No: Allen Station Lab Work Order Number: 51746

Lab Name: <u>Test America</u>	BP/ARC Facility Address: <u>16292 Ovensell 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>WAALLHA151</u>
Lab PM: <u>Robert Greer</u>	Lead Regulatory Agency: <u>WA Department of Ecology</u>	Address: <u>4006 148th Avenue NE, Redmond, WA 98052</u>
Lab Phone: <u>253.922.2310</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>006SM-0007 / WR287477</u>	Phone: <u>P: 425.488.7711 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:	Stage: <u>6 OM&M/Other (60) Activity: OM&M Spend (81)</u>	Invoice To: <u>BP/ARC X Contractor</u>

BP/ARC EBM: Paul Supple				Matrix		No. Containers / Preservative								Requested Analyses					Report Type & QC Level												
EBM Phone: 925-275-3801				Water / Liquid		Soil / Solid		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>		Full Data Package <u> </u>	
EBM Email: paul.supple@bp.com																															
Lab No.	Sample Description	Date	Time															Comments													
-34	MW-49_ 20150713	7-13-15	1300															Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.													
-35	MW-50_ 20150713	7-13-15	1240																												
-36	MW-51_ 20150713	7-13-15	1420																												
-37	MW-52_ 20150714	7-14-15	1100															ms/msD													
-38	MW-53_ 20150713	7-13-15	0900																												
	MW-54																														
-39	MW-1_ 20150714	7-14-15	0900																												
-40	DUP -4_ 20150714	7-14-15	1030																												
-41	Tripblank-4_ 20150713	7-13-15	0020																												
-42	Tripblank-5 20150713	7-13-15	0000																												

Sampler's Name: Joe Glover / Ken Davis / Lauren H. Relinquished By / Affiliation: T. Roberts / Antea Date: 7-15-15 Time: 1900 Accepted By / Affiliation: E. B. / T. A. SEA Date: 7-15-15 Time: 1200

Sampler's Company: Antea Group

Shipment Method: Fourier Ship Date: 7-15-15

Shipment Tracking No:

Special Instructions:

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112
Cooler/TB Dig/IR cor 0.4^c unc 0.8^c
Cooler Dsc L₅ Blue/white @ Lab 1425
Wet/Packs Packing Bubble
w/o

112
Cooler/TB Dig/IR cor 3.0^c unc 3.7^c
Cooler Dsc L₅ Blue/white @ Lab 1425
Wet/Packs Packing Bubble
w/o

112
Cooler/TB Dig/IR cor 1.4^c unc 1.1^c
Cooler Dsc L₅ Green Blue @ Lab 1425
Wet/Packs Packing Bubble
w/o

112
Cooler/TB Dig/IR cor 0.7^c unc 1.4^c
Cooler Dsc L₅ Blue/white @ Lab 1425
Wet/Packs Packing Bubble
w/o

112
Cooler/TB Dig/IR cor 2.4^c unc 3.1^c
Cooler Dsc L₅ Blue/white @ Lab 1425
Wet/Packs Packing Bubble
w/o

112
Cooler/TB Dig/IR cor 0.4^c unc 1.1^c
Cooler Dsc L₅ Blue/white @ Lab 1425
Wet/Packs Packing Bubble
w/o

112
Cooler/TB Dig/IR cor 0.1^c unc 0.8^c
Cooler Dsc L₅ Blue/white @ Lab 1425
Wet/Packs Packing Bubble
w/o

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-51746-1

Login Number: 51746

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-54440-1

Client Project/Site: OPLC - Allen Station

Sampling Event: Allen Station

For:

Antea USA, Inc.

4006 148th Ave NE

Redmond, Washington 98052

Attn: Mackie Stock



Authorized for release by:

11/17/2015 10:57:49 AM

Robert Greer, Project Manager I

(253)922-2310

robert.greer@testamericainc.com

LINKS

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results through

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

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 Chain of Custody is included and is an integral part of this report.



Robert Greer
Project Manager I
11/17/2015 10:57:49 AM



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Case Narrative

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

TestAmerica Job ID: 580-54440-1

Job ID: 580-54440-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-54440-1

Comments

No additional comments.

Receipt

The samples were received on 10/22/2015 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 0.6° C, 0.6° C, 0.6° C, 1.6° C, 1.8° C, 2.2° C and 2.5° C.

GC/MS VOA

Method(s) 8260B: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-2_20151019 (580-54440-2), MW-18_20151019 (580-54440-3), MW-20_20151019 (580-54440-5), MW-21_20151019 (580-54440-8), MW-24_20151019 (580-54440-11), MW-27_20151019 (580-54440-13), MW-28_20151020 (580-54440-14), MW-31_20151020 (580-54440-16), MW-35_20151015 (580-54440-19), MW-41_20151020 (580-54440-25), MW-42_20151020 (580-54440-26), MW-43_20151020 (580-54440-27), Dup-3_20151020 (580-54440-28) and MW-44_20151020 (580-54440-30), MW-45_20151019 (580-54440-31), and MW-52_20151019 (580-54440-37). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-19_20151020 (580-54440-4), Dup-1_20151020 (580-54440-6), MW-29_20151020 (580-54440-15), Dup-2_20151020 (580-54440-17), MW-35_20151015 (580-54440-19), MW-36_20151020 (580-54440-20), MW-44_20151020 (580-54440-30), MW-53_20151020 (580-54440-38), Dup-4_20151020 (580-54440-39), MW-56_20151020 (580-54440-43), MW-66_20151020 (580-54440-54) and MW-65_20151020 (580-54440-55). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: Surrogate recovery of 4-Bromofluorobenzene for the following samples was outside control limits: MW-2_20151019 (580-54440-2), MW-18_20151019 (580-54440-3), MW-19_20151020 (580-54440-4), MW-21_20151019 (580-54440-8), MW-22_20151020 (580-54440-9), MW-22_20151020 (580-54440-9[MS]), MW-22_20151020 (580-54440-9[MSD]), MW-24_20151019 (580-54440-11), MW-25_20151019 (580-54440-12), MW-27_20151019 (580-54440-13), MW-28_20151020 (580-54440-14) and MW-29_20151020 (580-54440-15), MW-41_20151020 (580-54440-25), Dup-3_20151020 (580-54440-28), MW-44_20151020 (580-54440-30), and MW-45_20151019 (580-54440-31), MW-52_20151019 (580-54440-37), MW-52_20151019 (580-54440-37[MS]), MW-52_20151019 (580-54440-37[MSD]), Dup-4_20151020 (580-54440-39), MW-64_20151019 (580-54440-51) and Dup-5_20151020 (580-54440-52), and MW-66_20151020 (580-54440-54). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Gx: The following samples was diluted to bring the concentration of target analytes within the calibration range: Dup-1_20151020 (580-54440-6), MW-21_20151019 (580-54440-8), MW-31_20151020 (580-54440-16), Dup-2_20151020 (580-54440-17), MW-35_20151015 (580-54440-19), MW-36_20151020 (580-54440-20), MW-42_20151020 (580-54440-26), MW-43_20151020 (580-54440-27) and MW-65_20151020 (580-54440-55). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: Reanalysis of the following samples was performed outside of the analytical holding time due to the results exceeding the instrument calibration range. Dup-1_20151020 (580-54440-6), MW-21_20151019 (580-54440-8), MW-23_20151019 (580-54440-10), MW-43_20151020 (580-54440-27), Dup-3_20151020 (580-54440-28), MW-48_20151019 (580-54440-33), MW-48_20151019 (580-54440-33[MS]), MW-48_20151019 (580-54440-33[MSD]), MW-53_20151020 (580-54440-38), MW-56_20151020 (580-54440-43), MW-56_20151020 (580-54440-43[MS]) and MW-56_20151020 (580-54440-43[MSD]), and MW-60_20151020 (580-54440-47), and MW-66_20151020 (580-54440-54)

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

GC Semi VOA

Method(s) NWTPH-Dx: The following sample(s) was re-prepared outside of preparation holding time due to poor recoveries of QC spike and surrogate in the original batch. Data has been flagged and reported. MW-28_20151020 (580-54440-14), MW-29_20151020 (580-54440-15), MW-43_20151020 (580-54440-27), MW-50_20151019 (580-54440-35), MW-62_20151020 (580-54440-49) and

Case Narrative

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

TestAmerica Job ID: 580-54440-1

Job ID: 580-54440-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

MW-63_20151020 (580-54440-50).

Method(s) NWTPH-Dx: The surrogate recovery for the blank associated with preparation batch 580-204711 and 580-204809 and analytical batch 580-205071 was outside the control limits. All associated sample surrogates and analytes fell within acceptance criteria in the LCS and LCSD; therefore, the data have been reported.

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-52_20151019 (580-54440-37).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-19_20151020 (580-54440-4), Dup-1_20151020 (580-54440-6), MW-22_20151020 (580-54440-9), MW-31_20151020 (580-54440-16), Dup-2_20151020 (580-54440-17), MW-35_20151015 (580-54440-19), MW-36_20151020 (580-54440-20), MW-41_20151020 (580-54440-25), MW-42_20151020 (580-54440-26), Dup-3_20151020 (580-54440-28) and MW-44_20151020 (580-54440-30).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-2_20151019 (580-54440-2), MW-20_20151019 (580-54440-5), MW-21_20151019 (580-54440-8), MW-23_20151019 (580-54440-10), MW-24_20151019 (580-54440-11), MW-25_20151019 (580-54440-12), MW-27_20151019 (580-54440-13) and MW-38_20151019 (580-54440-22).

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-45_20151019 (580-54440-31).

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.

Definitions/Glossary

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

TestAmerica Job ID: 580-54440-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

GC VOA

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

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-1_20151019

Date Collected: 10/19/15 09:15

Date Received: 10/22/15 12:30

Lab Sample ID: 580-54440-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 16:21	1
Toluene	ND		2.0		ug/L			10/27/15 16:21	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 16:21	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		10/27/15 16:21	1
Trifluorotoluene (Surr)	101		70 - 136		10/27/15 16:21	1
4-Bromofluorobenzene (Surr)	103		75 - 120		10/27/15 16:21	1
Dibromofluoromethane (Surr)	98		85 - 115		10/27/15 16:21	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 120		10/27/15 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			10/30/15 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150					10/30/15 18:54	1
Trifluorotoluene (Surr)	103		50 - 150					10/30/15 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/29/15 15:43	11/08/15 00:16	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150				10/29/15 15:43	11/08/15 00:16	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-2_20151019

Lab Sample ID: 580-54440-2

Date Collected: 10/19/15 09:20

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	3.2		2.0		ug/L			10/27/15 16:49	1
Ethylbenzene	69		3.0		ug/L			10/27/15 16:49	1
Xylenes, Total	8.2		3.0		ug/L			10/27/15 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120		10/27/15 16:49	1
Trifluorotoluene (Surr)	104		70 - 136		10/27/15 16:49	1
4-Bromofluorobenzene (Surr)	103		75 - 120		10/27/15 16:49	1
Dibromofluoromethane (Surr)	97		85 - 115		10/27/15 16:49	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 120		10/27/15 16:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		20		ug/L			10/28/15 12:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120		10/28/15 12:11	10
Trifluorotoluene (Surr)	87		70 - 136		10/28/15 12:11	10
4-Bromofluorobenzene (Surr)	97		75 - 120		10/28/15 12:11	10
Dibromofluoromethane (Surr)	94		85 - 115		10/28/15 12:11	10
1,2-Dichloroethane-d4 (Surr)	100		70 - 120		10/28/15 12:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	950		50		ug/L			10/30/15 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	X	50 - 150		10/30/15 19:25	1
Trifluorotoluene (Surr)	107		50 - 150		10/30/15 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	330		110		ug/L		10/29/15 15:43	11/08/15 00:34	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		50 - 150	10/29/15 15:43	11/08/15 00:34	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-18_20151019

Lab Sample ID: 580-54440-3

Date Collected: 10/19/15 14:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	470		20		ug/L			10/28/15 15:43	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		85 - 120					10/28/15 15:43	10
Trifluorotoluene (Surr)	86		70 - 136					10/28/15 15:43	10
4-Bromofluorobenzene (Surr)	98		75 - 120					10/28/15 15:43	10
Dibromofluoromethane (Surr)	96		85 - 115					10/28/15 15:43	10
1,2-Dichloroethane-d4 (Surr)	98		70 - 120					10/28/15 15:43	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	800		100		ug/L			10/28/15 15:17	50
Ethylbenzene	790		150		ug/L			10/28/15 15:17	50
Xylenes, Total	2000		150		ug/L			10/28/15 15:17	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		85 - 120					10/28/15 15:17	50
Trifluorotoluene (Surr)	88		70 - 136					10/28/15 15:17	50
4-Bromofluorobenzene (Surr)	97		75 - 120					10/28/15 15:17	50
Dibromofluoromethane (Surr)	95		85 - 115					10/28/15 15:17	50
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					10/28/15 15:17	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	21000		50		ug/L			10/30/15 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	X	50 - 150					10/30/15 19:55	1
Trifluorotoluene (Surr)	117		50 - 150					10/30/15 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	16000		110		ug/L		10/29/15 15:43	11/08/15 00:52	1
Motor Oil (>C24-C36)	790		250		ug/L		10/29/15 15:43	11/08/15 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	112		50 - 150				10/29/15 15:43	11/08/15 00:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-19_20151020

Lab Sample ID: 580-54440-4

Date Collected: 10/20/15 08:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		20		ug/L			11/01/15 01:27	10
Xylenes, Total	45		30		ug/L			11/01/15 01:27	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120					11/01/15 01:27	10
Trifluorotoluene (Surr)	95		70 - 136					11/01/15 01:27	10
4-Bromofluorobenzene (Surr)	95		75 - 120					11/01/15 01:27	10
Dibromofluoromethane (Surr)	97		85 - 115					11/01/15 01:27	10
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					11/01/15 01:27	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	670		100		ug/L			11/01/15 00:59	50
Ethylbenzene	1300		150		ug/L			11/01/15 00:59	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					11/01/15 00:59	50
Trifluorotoluene (Surr)	97		70 - 136					11/01/15 00:59	50
4-Bromofluorobenzene (Surr)	94		75 - 120					11/01/15 00:59	50
Dibromofluoromethane (Surr)	99		85 - 115					11/01/15 00:59	50
1,2-Dichloroethane-d4 (Surr)	99		70 - 120					11/01/15 00:59	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9200		50		ug/L			10/30/15 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	240	X	50 - 150					10/30/15 20:56	1
Trifluorotoluene (Surr)	140		50 - 150					10/30/15 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800		110		ug/L		11/02/15 09:40	11/06/15 21:51	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/06/15 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	57		50 - 150				11/02/15 09:40	11/06/15 21:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-20_20151019

Lab Sample ID: 580-54440-5

Date Collected: 10/19/15 09:50

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	3.6		2.0		ug/L			10/28/15 13:04	1
Ethylbenzene	5.2		3.0		ug/L			10/28/15 13:04	1
Xylenes, Total	4.7		3.0		ug/L			10/28/15 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		85 - 120					10/28/15 13:04	1
Trifluorotoluene (Surr)	84		70 - 136					10/28/15 13:04	1
4-Bromofluorobenzene (Surr)	96		75 - 120					10/28/15 13:04	1
Dibromofluoromethane (Surr)	96		85 - 115					10/28/15 13:04	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 120					10/28/15 13:04	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	330		20		ug/L			10/28/15 12:37	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120					10/28/15 12:37	10
Trifluorotoluene (Surr)	87		70 - 136					10/28/15 12:37	10
4-Bromofluorobenzene (Surr)	97		75 - 120					10/28/15 12:37	10
Dibromofluoromethane (Surr)	94		85 - 115					10/28/15 12:37	10
1,2-Dichloroethane-d4 (Surr)	102		70 - 120					10/28/15 12:37	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	910		50		ug/L			10/30/15 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		50 - 150					10/30/15 21:26	1
Trifluorotoluene (Surr)	105		50 - 150					10/30/15 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	290		110		ug/L		10/29/15 15:43	11/08/15 01:09	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150				10/29/15 15:43	11/08/15 01:09	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Dup-1_20151020

Date Collected: 10/20/15 07:00

Date Received: 10/22/15 12:30

Lab Sample ID: 580-54440-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	12000		300		ug/L			10/31/15 18:42	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120					10/31/15 18:42	100
Trifluorotoluene (Surr)	97		70 - 136					10/31/15 18:42	100
4-Bromofluorobenzene (Surr)	98		75 - 120					10/31/15 18:42	100
Dibromofluoromethane (Surr)	98		85 - 115					10/31/15 18:42	100
1,2-Dichloroethane-d4 (Surr)	99		70 - 120					10/31/15 18:42	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	430		100		ug/L			10/31/15 19:11	50
Ethylbenzene	2700		150		ug/L			10/31/15 19:11	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					10/31/15 19:11	50
Trifluorotoluene (Surr)	95		70 - 136					10/31/15 19:11	50
4-Bromofluorobenzene (Surr)	102		75 - 120					10/31/15 19:11	50
Dibromofluoromethane (Surr)	95		85 - 115					10/31/15 19:11	50
1,2-Dichloroethane-d4 (Surr)	92		70 - 120					10/31/15 19:11	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	14000		2000		ug/L			11/01/15 18:47	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120					11/01/15 18:47	1000
Trifluorotoluene (Surr)	98		70 - 136					11/01/15 18:47	1000
4-Bromofluorobenzene (Surr)	94		75 - 120					11/01/15 18:47	1000
Dibromofluoromethane (Surr)	95		85 - 115					11/01/15 18:47	1000
1,2-Dichloroethane-d4 (Surr)	93		70 - 120					11/01/15 18:47	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	51000	H	2500		ug/L			11/04/15 00:52	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150					11/04/15 00:52	50
Trifluorotoluene (Surr)	108		50 - 150					11/04/15 00:52	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2400		110		ug/L		11/02/15 09:40	11/06/15 22:09	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/06/15 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150				11/02/15 09:40	11/06/15 22:09	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Trip Blank-1_20151020

Lab Sample ID: 580-54440-7

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 13:21	1
Toluene	ND		2.0		ug/L			10/29/15 13:21	1
Ethylbenzene	ND		3.0		ug/L			10/29/15 13:21	1
Xylenes, Total	ND		3.0		ug/L			10/29/15 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		85 - 120		10/29/15 13:21	1
Trifluorotoluene (Surr)	82		70 - 136		10/29/15 13:21	1
4-Bromofluorobenzene (Surr)	96		75 - 120		10/29/15 13:21	1
Dibromofluoromethane (Surr)	95		85 - 115		10/29/15 13:21	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 120		10/29/15 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			10/30/15 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		10/30/15 17:24	1
Trifluorotoluene (Surr)	113		50 - 150		10/30/15 17:24	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-21_20151019

Lab Sample ID: 580-54440-8

Date Collected: 10/19/15 09:55

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	99		2.0		ug/L			10/27/15 18:15	1
Toluene	2.7		2.0		ug/L			10/27/15 18:15	1
Xylenes, Total	98		3.0		ug/L			10/27/15 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120					10/27/15 18:15	1
Trifluorotoluene (Surr)	103		70 - 136					10/27/15 18:15	1
4-Bromofluorobenzene (Surr)	107		75 - 120					10/27/15 18:15	1
Dibromofluoromethane (Surr)	93		85 - 115					10/27/15 18:15	1
1,2-Dichloroethane-d4 (Surr)	76		70 - 120					10/27/15 18:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	360		30		ug/L			10/28/15 13:30	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		85 - 120					10/28/15 13:30	10
Trifluorotoluene (Surr)	88		70 - 136					10/28/15 13:30	10
4-Bromofluorobenzene (Surr)	98		75 - 120					10/28/15 13:30	10
Dibromofluoromethane (Surr)	95		85 - 115					10/28/15 13:30	10
1,2-Dichloroethane-d4 (Surr)	103		70 - 120					10/28/15 13:30	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9600		50		ug/L			10/30/15 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	284	X	50 - 150					10/30/15 22:26	1
Trifluorotoluene (Surr)	126		50 - 150					10/30/15 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2000		110		ug/L		10/29/15 15:43	11/08/15 01:27	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150				10/29/15 15:43	11/08/15 01:27	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-22_20151020

Lab Sample ID: 580-54440-9

Date Collected: 10/20/15 09:35

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 18:20	1
Toluene	ND		2.0		ug/L			10/29/15 18:20	1
Xylenes, Total	20		3.0		ug/L			10/29/15 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		10/29/15 18:20	1
Trifluorotoluene (Surr)	104		70 - 136		10/29/15 18:20	1
4-Bromofluorobenzene (Surr)	102		75 - 120		10/29/15 18:20	1
Dibromofluoromethane (Surr)	101		85 - 115		10/29/15 18:20	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 120		10/29/15 18:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	8.2		3.0		ug/L			10/31/15 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		10/31/15 14:50	1
Trifluorotoluene (Surr)	100		70 - 136		10/31/15 14:50	1
4-Bromofluorobenzene (Surr)	97		75 - 120		10/31/15 14:50	1
Dibromofluoromethane (Surr)	102		85 - 115		10/31/15 14:50	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 120		10/31/15 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3400		50		ug/L			10/31/15 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	X	50 - 150		10/31/15 02:59	1
Trifluorotoluene (Surr)	108		50 - 150		10/31/15 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1700	F1	110		ug/L		11/02/15 09:40	11/06/15 22:26	1
Motor Oil (>C24-C36)	ND	F1	250		ug/L		11/02/15 09:40	11/06/15 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	11/02/15 09:40	11/06/15 22:26	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-23_20151019

Lab Sample ID: 580-54440-10

Date Collected: 10/19/15 08:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 18:43	1
Toluene	ND		2.0		ug/L			10/27/15 18:43	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 18:43	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		10/27/15 18:43	1
Trifluorotoluene (Surr)	100		70 - 136		10/27/15 18:43	1
4-Bromofluorobenzene (Surr)	102		75 - 120		10/27/15 18:43	1
Dibromofluoromethane (Surr)	90		85 - 115		10/27/15 18:43	1
1,2-Dichloroethane-d4 (Surr)	75		70 - 120		10/27/15 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1300		50		ug/L			10/30/15 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142		50 - 150		10/30/15 22:57	1
Trifluorotoluene (Surr)	106		50 - 150		10/30/15 22:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	860		110		ug/L		10/29/15 15:43	11/08/15 01:44	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	10/29/15 15:43	11/08/15 01:44	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-24_20151019

Lab Sample ID: 580-54440-11

Date Collected: 10/19/15 15:30

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11		2.0		ug/L			10/28/15 16:07	1
Toluene	ND		2.0		ug/L			10/28/15 16:07	1
Xylenes, Total	5.1		3.0		ug/L			10/28/15 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		10/28/15 16:07	1
Trifluorotoluene (Surr)	101		70 - 136		10/28/15 16:07	1
4-Bromofluorobenzene (Surr)	104		75 - 120		10/28/15 16:07	1
Dibromofluoromethane (Surr)	93		85 - 115		10/28/15 16:07	1
1,2-Dichloroethane-d4 (Surr)	81		70 - 120		10/28/15 16:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	180		30		ug/L			10/30/15 18:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		85 - 120		10/30/15 18:10	10
Trifluorotoluene (Surr)	98		70 - 136		10/30/15 18:10	10
4-Bromofluorobenzene (Surr)	92		75 - 120		10/30/15 18:10	10
Dibromofluoromethane (Surr)	98		85 - 115		10/30/15 18:10	10
1,2-Dichloroethane-d4 (Surr)	97		70 - 120		10/30/15 18:10	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3100		50		ug/L			10/30/15 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	X	50 - 150		10/30/15 23:27	1
Trifluorotoluene (Surr)	107		50 - 150		10/30/15 23:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	680		110		ug/L		10/29/15 15:43	11/08/15 02:19	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	59		50 - 150	10/29/15 15:43	11/08/15 02:19	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-25_20151019

Lab Sample ID: 580-54440-12

Date Collected: 10/19/15 13:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	6.9		2.0		ug/L			10/29/15 17:46	1
Xylenes, Total	37		3.0		ug/L			10/29/15 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		85 - 120					10/29/15 17:46	1
Trifluorotoluene (Surr)	87		70 - 136					10/29/15 17:46	1
4-Bromofluorobenzene (Surr)	103		75 - 120					10/29/15 17:46	1
Dibromofluoromethane (Surr)	95		85 - 115					10/29/15 17:46	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 120					10/29/15 17:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	170		20		ug/L			10/29/15 17:20	10
Ethylbenzene	460		30		ug/L			10/29/15 17:20	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		85 - 120					10/29/15 17:20	10
Trifluorotoluene (Surr)	87		70 - 136					10/29/15 17:20	10
4-Bromofluorobenzene (Surr)	100		75 - 120					10/29/15 17:20	10
Dibromofluoromethane (Surr)	94		85 - 115					10/29/15 17:20	10
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					10/29/15 17:20	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6300		50		ug/L			10/30/15 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	272	X	50 - 150					10/30/15 23:57	1
Trifluorotoluene (Surr)	115		50 - 150					10/30/15 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1300		110		ug/L		10/29/15 15:43	11/08/15 02:37	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 02:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150				10/29/15 15:43	11/08/15 02:37	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-27_20151019

Lab Sample ID: 580-54440-13

Date Collected: 10/19/15 15:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.9		2.0		ug/L			10/28/15 16:35	1
Toluene	ND		2.0		ug/L			10/28/15 16:35	1
Xylenes, Total	49		3.0		ug/L			10/28/15 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		10/28/15 16:35	1
Trifluorotoluene (Surr)	102		70 - 136		10/28/15 16:35	1
4-Bromofluorobenzene (Surr)	106		75 - 120		10/28/15 16:35	1
Dibromofluoromethane (Surr)	93		85 - 115		10/28/15 16:35	1
1,2-Dichloroethane-d4 (Surr)	77		70 - 120		10/28/15 16:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	160		30		ug/L			10/30/15 18:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120		10/30/15 18:39	10
Trifluorotoluene (Surr)	98		70 - 136		10/30/15 18:39	10
4-Bromofluorobenzene (Surr)	96		75 - 120		10/30/15 18:39	10
Dibromofluoromethane (Surr)	97		85 - 115		10/30/15 18:39	10
1,2-Dichloroethane-d4 (Surr)	95		70 - 120		10/30/15 18:39	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	10000		50		ug/L			10/31/15 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	305	X	50 - 150		10/31/15 00:27	1
Trifluorotoluene (Surr)	113		50 - 150		10/31/15 00:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2200		110		ug/L		10/29/15 15:43	11/08/15 02:54	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	60		50 - 150	10/29/15 15:43	11/08/15 02:54	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-28_20151020

Lab Sample ID: 580-54440-14

Date Collected: 10/20/15 08:00

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	34		2.0		ug/L			10/28/15 17:29	1
Xylenes, Total	53		3.0		ug/L			10/28/15 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120					10/28/15 17:29	1
Trifluorotoluene (Surr)	99		70 - 136					10/28/15 17:29	1
4-Bromofluorobenzene (Surr)	107		75 - 120					10/28/15 17:29	1
Dibromofluoromethane (Surr)	92		85 - 115					10/28/15 17:29	1
1,2-Dichloroethane-d4 (Surr)	76		70 - 120					10/28/15 17:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		20		ug/L			10/30/15 19:08	10
Ethylbenzene	610		30		ug/L			10/30/15 19:08	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120					10/30/15 19:08	10
Trifluorotoluene (Surr)	96		70 - 136					10/30/15 19:08	10
4-Bromofluorobenzene (Surr)	92		75 - 120					10/30/15 19:08	10
Dibromofluoromethane (Surr)	98		85 - 115					10/30/15 19:08	10
1,2-Dichloroethane-d4 (Surr)	93		70 - 120					10/30/15 19:08	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	8600		50		ug/L			10/31/15 01:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	342	X	50 - 150					10/31/15 01:28	1
Trifluorotoluene (Surr)	121		50 - 150					10/31/15 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2200	H	110		ug/L		11/12/15 13:39	11/12/15 21:30	1
Motor Oil (>C24-C36)	ND	H	250		ug/L		11/12/15 13:39	11/12/15 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150				11/12/15 13:39	11/12/15 21:30	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-29_20151020

Lab Sample ID: 580-54440-15

Date Collected: 10/20/15 07:55

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1100		100		ug/L			11/01/15 00:01	50
Toluene	100		100		ug/L			11/01/15 00:01	50
Ethylbenzene	900		150		ug/L			11/01/15 00:01	50
Xylenes, Total	320		150		ug/L			11/01/15 00:01	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120		11/01/15 00:01	50
Trifluorotoluene (Surr)	98		70 - 136		11/01/15 00:01	50
4-Bromofluorobenzene (Surr)	91		75 - 120		11/01/15 00:01	50
Dibromofluoromethane (Surr)	104		85 - 115		11/01/15 00:01	50
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		11/01/15 00:01	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7000		50		ug/L			10/31/15 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	209	X	50 - 150		10/31/15 01:58	1
Trifluorotoluene (Surr)	119		50 - 150		10/31/15 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1400	H	110		ug/L		11/12/15 13:39	11/12/15 21:50	1
Motor Oil (>C24-C36)	ND	H	250		ug/L		11/12/15 13:39	11/12/15 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/12/15 13:39	11/12/15 21:50	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-31_20151020

Lab Sample ID: 580-54440-16

Date Collected: 10/20/15 08:15

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	630		20		ug/L			10/30/15 16:44	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120					10/30/15 16:44	10
Trifluorotoluene (Surr)	98		70 - 136					10/30/15 16:44	10
4-Bromofluorobenzene (Surr)	108		75 - 120					10/30/15 16:44	10
Dibromofluoromethane (Surr)	98		85 - 115					10/30/15 16:44	10
1,2-Dichloroethane-d4 (Surr)	88		70 - 120					10/30/15 16:44	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2200		100		ug/L			10/30/15 16:15	50
Ethylbenzene	2800		150		ug/L			10/30/15 16:15	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120					10/30/15 16:15	50
Trifluorotoluene (Surr)	97		70 - 136					10/30/15 16:15	50
4-Bromofluorobenzene (Surr)	100		75 - 120					10/30/15 16:15	50
Dibromofluoromethane (Surr)	96		85 - 115					10/30/15 16:15	50
1,2-Dichloroethane-d4 (Surr)	93		70 - 120					10/30/15 16:15	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	15000		300		ug/L			10/30/15 21:04	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		85 - 120					10/30/15 21:04	100
Trifluorotoluene (Surr)	98		70 - 136					10/30/15 21:04	100
4-Bromofluorobenzene (Surr)	95		75 - 120					10/30/15 21:04	100
Dibromofluoromethane (Surr)	101		85 - 115					10/30/15 21:04	100
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					10/30/15 21:04	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	57000		2500		ug/L			11/03/15 23:51	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150					11/03/15 23:51	50
Trifluorotoluene (Surr)	107		50 - 150					11/03/15 23:51	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2100		110		ug/L		11/02/15 09:40	11/06/15 23:54	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/06/15 23:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	54		50 - 150				11/02/15 09:40	11/06/15 23:54	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Dup-2_20151020

Lab Sample ID: 580-54440-17

Date Collected: 10/20/15 07:05

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	20		20		ug/L			10/31/15 20:37	10
Xylenes, Total	58		30		ug/L			10/31/15 20:37	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120					10/31/15 20:37	10
Trifluorotoluene (Surr)	95		70 - 136					10/31/15 20:37	10
4-Bromofluorobenzene (Surr)	92		75 - 120					10/31/15 20:37	10
Dibromofluoromethane (Surr)	96		85 - 115					10/31/15 20:37	10
1,2-Dichloroethane-d4 (Surr)	93		70 - 120					10/31/15 20:37	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2000		100		ug/L			10/31/15 20:09	50
Ethylbenzene	1200		150		ug/L			10/31/15 20:09	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120					10/31/15 20:09	50
Trifluorotoluene (Surr)	97		70 - 136					10/31/15 20:09	50
4-Bromofluorobenzene (Surr)	91		75 - 120					10/31/15 20:09	50
Dibromofluoromethane (Surr)	104		85 - 115					10/31/15 20:09	50
1,2-Dichloroethane-d4 (Surr)	99		70 - 120					10/31/15 20:09	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7500		500		ug/L			11/03/15 21:20	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		50 - 150					11/03/15 21:20	10
Trifluorotoluene (Surr)	113		50 - 150					11/03/15 21:20	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1400		110		ug/L		11/02/15 09:40	11/07/15 00:12	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	59		50 - 150				11/02/15 09:40	11/07/15 00:12	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Trip Blank-2_20151020

Lab Sample ID: 580-54440-18

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 11:35	1
Toluene	ND		2.0		ug/L			10/29/15 11:35	1
Ethylbenzene	ND		3.0		ug/L			10/29/15 11:35	1
Xylenes, Total	ND		3.0		ug/L			10/29/15 11:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		85 - 120		10/29/15 11:35	1
Trifluorotoluene (Surr)	88		70 - 136		10/29/15 11:35	1
4-Bromofluorobenzene (Surr)	97		75 - 120		10/29/15 11:35	1
Dibromofluoromethane (Surr)	93		85 - 115		10/29/15 11:35	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 120		10/29/15 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			10/30/15 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150		10/30/15 17:54	1
Trifluorotoluene (Surr)	109		50 - 150		10/30/15 17:54	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-35_20151015

Lab Sample ID: 580-54440-19

Date Collected: 10/20/15 08:25

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2100		100		ug/L			10/30/15 17:13	50
Ethylbenzene	2800		150		ug/L			10/30/15 17:13	50
Xylenes, Total	9600		150		ug/L			10/30/15 17:13	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120		10/30/15 17:13	50
Trifluorotoluene (Surr)	98		70 - 136		10/30/15 17:13	50
4-Bromofluorobenzene (Surr)	96		75 - 120		10/30/15 17:13	50
Dibromofluoromethane (Surr)	95		85 - 115		10/30/15 17:13	50
1,2-Dichloroethane-d4 (Surr)	93		70 - 120		10/30/15 17:13	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10000		2000		ug/L			11/01/15 19:16	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		85 - 120		11/01/15 19:16	1000
Trifluorotoluene (Surr)	99		70 - 136		11/01/15 19:16	1000
4-Bromofluorobenzene (Surr)	94		75 - 120		11/01/15 19:16	1000
Dibromofluoromethane (Surr)	94		85 - 115		11/01/15 19:16	1000
1,2-Dichloroethane-d4 (Surr)	92		70 - 120		11/01/15 19:16	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	46000		2500		ug/L			11/03/15 22:20	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150		11/03/15 22:20	50
Trifluorotoluene (Surr)	108		50 - 150		11/03/15 22:20	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2900		110		ug/L		11/02/15 09:40	11/07/15 00:47	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	11/02/15 09:40	11/07/15 00:47	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-36_20151020

Lab Sample ID: 580-54440-20

Date Collected: 10/20/15 08:35

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	360		100		ug/L			10/31/15 17:43	50
Ethylbenzene	2700		150		ug/L			10/31/15 17:43	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120					10/31/15 17:43	50
Trifluorotoluene (Surr)	101		70 - 136					10/31/15 17:43	50
4-Bromofluorobenzene (Surr)	95		75 - 120					10/31/15 17:43	50
Dibromofluoromethane (Surr)	95		85 - 115					10/31/15 17:43	50
1,2-Dichloroethane-d4 (Surr)	94		70 - 120					10/31/15 17:43	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	13000		300		ug/L			11/01/15 20:44	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		85 - 120					11/01/15 20:44	100
Trifluorotoluene (Surr)	93		70 - 136					11/01/15 20:44	100
4-Bromofluorobenzene (Surr)	95		75 - 120					11/01/15 20:44	100
Dibromofluoromethane (Surr)	95		85 - 115					11/01/15 20:44	100
1,2-Dichloroethane-d4 (Surr)	91		70 - 120					11/01/15 20:44	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5300		2000		ug/L			11/01/15 20:14	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		85 - 120					11/01/15 20:14	1000
Trifluorotoluene (Surr)	100		70 - 136					11/01/15 20:14	1000
4-Bromofluorobenzene (Surr)	92		75 - 120					11/01/15 20:14	1000
Dibromofluoromethane (Surr)	95		85 - 115					11/01/15 20:14	1000
1,2-Dichloroethane-d4 (Surr)	92		70 - 120					11/01/15 20:14	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	59000		2500		ug/L			11/03/15 22:50	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150					11/03/15 22:50	50
Trifluorotoluene (Surr)	110		50 - 150					11/03/15 22:50	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2800		110		ug/L		11/02/15 09:40	11/07/15 01:05	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150				11/02/15 09:40	11/07/15 01:05	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-37_20151019

Lab Sample ID: 580-54440-21

Date Collected: 10/19/15 13:15

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 13:26	1
Toluene	ND		2.0		ug/L			10/27/15 13:26	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 13:26	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		85 - 120		10/27/15 13:26	1
Trifluorotoluene (Surr)	84		70 - 136		10/27/15 13:26	1
4-Bromofluorobenzene (Surr)	99		75 - 120		10/27/15 13:26	1
Dibromofluoromethane (Surr)	97		85 - 115		10/27/15 13:26	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 120		10/27/15 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		11/02/15 16:51	1
Trifluorotoluene (Surr)	108		50 - 150		11/02/15 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/29/15 15:43	11/08/15 03:12	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	10/29/15 15:43	11/08/15 03:12	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-38_20151019

Lab Sample ID: 580-54440-22

Date Collected: 10/19/15 14:20

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	33	F1	2.0		ug/L			10/28/15 14:14	1
Toluene	ND		2.0		ug/L			10/28/15 14:14	1
Ethylbenzene	ND		3.0		ug/L			10/28/15 14:14	1
Xylenes, Total	ND		3.0		ug/L			10/28/15 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		10/28/15 14:14	1
Trifluorotoluene (Surr)	102		70 - 136		10/28/15 14:14	1
4-Bromofluorobenzene (Surr)	103		75 - 120		10/28/15 14:14	1
Dibromofluoromethane (Surr)	94		85 - 115		10/28/15 14:14	1
1,2-Dichloroethane-d4 (Surr)	83		70 - 120		10/28/15 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	890		50		ug/L			10/31/15 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		50 - 150		10/31/15 02:28	1
Trifluorotoluene (Surr)	109		50 - 150		10/31/15 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	270		110		ug/L		10/29/15 15:43	11/08/15 03:30	1
Motor Oil (>C24-C36)	ND	F2	250		ug/L		10/29/15 15:43	11/08/15 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	10/29/15 15:43	11/08/15 03:30	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-39_20151019

Lab Sample ID: 580-54440-23

Date Collected: 10/19/15 11:00

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 15:13	1
Toluene	ND		2.0		ug/L			10/27/15 15:13	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 15:13	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		85 - 120		10/27/15 15:13	1
Trifluorotoluene (Surr)	89		70 - 136		10/27/15 15:13	1
4-Bromofluorobenzene (Surr)	100		75 - 120		10/27/15 15:13	1
Dibromofluoromethane (Surr)	96		85 - 115		10/27/15 15:13	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		10/27/15 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		11/02/15 16:20	1
Trifluorotoluene (Surr)	108		50 - 150		11/02/15 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/29/15 15:43	11/08/15 04:23	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	36	X	50 - 150	10/29/15 15:43	11/08/15 04:23	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-40_20151019

Lab Sample ID: 580-54440-24

Date Collected: 10/19/15 10:20

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.0		2.0		ug/L			10/27/15 15:52	1
Toluene	ND		2.0		ug/L			10/27/15 15:52	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 15:52	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		10/27/15 15:52	1
Trifluorotoluene (Surr)	102		70 - 136		10/27/15 15:52	1
4-Bromofluorobenzene (Surr)	102		75 - 120		10/27/15 15:52	1
Dibromofluoromethane (Surr)	97		85 - 115		10/27/15 15:52	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 120		10/27/15 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150		11/02/15 15:50	1
Trifluorotoluene (Surr)	105		50 - 150		11/02/15 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/29/15 15:43	11/08/15 04:40	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 04:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	10/29/15 15:43	11/08/15 04:40	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-41_20151020

Lab Sample ID: 580-54440-25

Date Collected: 10/20/15 10:15

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2.0		2.0		ug/L			10/28/15 17:30	1
Ethylbenzene	25		3.0		ug/L			10/28/15 17:30	1
Xylenes, Total	ND		3.0		ug/L			10/28/15 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		85 - 120					10/28/15 17:30	1
Trifluorotoluene (Surr)	85		70 - 136					10/28/15 17:30	1
4-Bromofluorobenzene (Surr)	97		75 - 120					10/28/15 17:30	1
Dibromofluoromethane (Surr)	96		85 - 115					10/28/15 17:30	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					10/28/15 17:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	120		20		ug/L			10/30/15 19:37	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120					10/30/15 19:37	10
Trifluorotoluene (Surr)	96		70 - 136					10/30/15 19:37	10
4-Bromofluorobenzene (Surr)	93		75 - 120					10/30/15 19:37	10
Dibromofluoromethane (Surr)	97		85 - 115					10/30/15 19:37	10
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					10/30/15 19:37	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2800		50		ug/L			10/31/15 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	176	X	50 - 150					10/31/15 13:33	1
Trifluorotoluene (Surr)	109		50 - 150					10/31/15 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	640		110		ug/L		11/02/15 09:40	11/07/15 01:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150				11/02/15 09:40	11/07/15 01:22	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-42_20151020

Lab Sample ID: 580-54440-26

Date Collected: 10/20/15 10:40

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	17		2.0		ug/L			11/02/15 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		85 - 120					11/02/15 13:57	1
Trifluorotoluene (Surr)	99		70 - 136					11/02/15 13:57	1
4-Bromofluorobenzene (Surr)	109		75 - 120					11/02/15 13:57	1
Dibromofluoromethane (Surr)	95		85 - 115					11/02/15 13:57	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 120					11/02/15 13:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1100		100		ug/L			11/02/15 18:47	50
Ethylbenzene	2100		150		ug/L			11/02/15 18:47	50
Xylenes, Total	4500		150		ug/L			11/02/15 18:47	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120					11/02/15 18:47	50
Trifluorotoluene (Surr)	96		70 - 136					11/02/15 18:47	50
4-Bromofluorobenzene (Surr)	96		75 - 120					11/02/15 18:47	50
Dibromofluoromethane (Surr)	94		85 - 115					11/02/15 18:47	50
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					11/02/15 18:47	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	27000		1300		ug/L			11/03/15 23:21	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150					11/03/15 23:21	25
Trifluorotoluene (Surr)	106		50 - 150					11/03/15 23:21	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2400		110		ug/L		11/02/15 09:40	11/07/15 01:40	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 01:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150				11/02/15 09:40	11/07/15 01:40	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-43_20151020

Lab Sample ID: 580-54440-27

Date Collected: 10/20/15 11:00

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	31		2.0		ug/L			11/02/15 14:26	1
Toluene	16		2.0		ug/L			11/02/15 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120					11/02/15 14:26	1
Trifluorotoluene (Surr)	100		70 - 136					11/02/15 14:26	1
4-Bromofluorobenzene (Surr)	107		75 - 120					11/02/15 14:26	1
Dibromofluoromethane (Surr)	97		85 - 115					11/02/15 14:26	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 120					11/02/15 14:26	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	790		150		ug/L			11/02/15 20:13	50
Xylenes, Total	2000		150		ug/L			11/02/15 20:13	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		85 - 120					11/02/15 20:13	50
Trifluorotoluene (Surr)	96		70 - 136					11/02/15 20:13	50
4-Bromofluorobenzene (Surr)	94		75 - 120					11/02/15 20:13	50
Dibromofluoromethane (Surr)	95		85 - 115					11/02/15 20:13	50
1,2-Dichloroethane-d4 (Surr)	94		70 - 120					11/02/15 20:13	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	28000	H	1300		ug/L			11/04/15 00:21	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		50 - 150					11/04/15 00:21	25
Trifluorotoluene (Surr)	110		50 - 150					11/04/15 00:21	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5100	H	110		ug/L		11/12/15 13:39	11/12/15 22:10	1
Motor Oil (>C24-C36)	ND	H	250		ug/L		11/12/15 13:39	11/12/15 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150				11/12/15 13:39	11/12/15 22:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Dup-3_20151020

Lab Sample ID: 580-54440-28

Date Collected: 10/20/15 07:10

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2.2		2.0		ug/L			10/29/15 15:07	1
Ethylbenzene	26		3.0		ug/L			10/29/15 15:07	1
Xylenes, Total	4.8		3.0		ug/L			10/29/15 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		85 - 120					10/29/15 15:07	1
Trifluorotoluene (Surr)	89		70 - 136					10/29/15 15:07	1
4-Bromofluorobenzene (Surr)	102		75 - 120					10/29/15 15:07	1
Dibromofluoromethane (Surr)	94		85 - 115					10/29/15 15:07	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					10/29/15 15:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		20		ug/L			10/30/15 20:35	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120					10/30/15 20:35	10
Trifluorotoluene (Surr)	95		70 - 136					10/30/15 20:35	10
4-Bromofluorobenzene (Surr)	93		75 - 120					10/30/15 20:35	10
Dibromofluoromethane (Surr)	99		85 - 115					10/30/15 20:35	10
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					10/30/15 20:35	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3100		50		ug/L			10/31/15 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	X	50 - 150					10/31/15 15:04	1
Trifluorotoluene (Surr)	111		50 - 150					10/31/15 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	710		110		ug/L		11/02/15 09:40	11/07/15 02:15	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150				11/02/15 09:40	11/07/15 02:15	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Trip Blank-3_20151020

Lab Sample ID: 580-54440-29

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 12:01	1
Toluene	ND		2.0		ug/L			10/29/15 12:01	1
Ethylbenzene	ND		3.0		ug/L			10/29/15 12:01	1
Xylenes, Total	ND		3.0		ug/L			10/29/15 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		85 - 120		10/29/15 12:01	1
Trifluorotoluene (Surr)	86		70 - 136		10/29/15 12:01	1
4-Bromofluorobenzene (Surr)	98		75 - 120		10/29/15 12:01	1
Dibromofluoromethane (Surr)	95		85 - 115		10/29/15 12:01	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 120		10/29/15 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			10/30/15 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150		10/30/15 18:24	1
Trifluorotoluene (Surr)	110		50 - 150		10/30/15 18:24	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-44_20151020

Lab Sample ID: 580-54440-30

Date Collected: 10/20/15 10:35

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	33		2.0		ug/L			10/28/15 17:03	1
Xylenes, Total	77		3.0		ug/L			10/28/15 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		85 - 120					10/28/15 17:03	1
Trifluorotoluene (Surr)	88		70 - 136					10/28/15 17:03	1
4-Bromofluorobenzene (Surr)	96		75 - 120					10/28/15 17:03	1
Dibromofluoromethane (Surr)	96		85 - 115					10/28/15 17:03	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 120					10/28/15 17:03	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	350		20		ug/L			10/30/15 20:06	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120					10/30/15 20:06	10
Trifluorotoluene (Surr)	95		70 - 136					10/30/15 20:06	10
4-Bromofluorobenzene (Surr)	93		75 - 120					10/30/15 20:06	10
Dibromofluoromethane (Surr)	101		85 - 115					10/30/15 20:06	10
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					10/30/15 20:06	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1400		150		ug/L			10/31/15 16:45	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120					10/31/15 16:45	50
Trifluorotoluene (Surr)	95		70 - 136					10/31/15 16:45	50
4-Bromofluorobenzene (Surr)	91		75 - 120					10/31/15 16:45	50
Dibromofluoromethane (Surr)	98		85 - 115					10/31/15 16:45	50
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					10/31/15 16:45	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	10000		50		ug/L			10/31/15 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	290	X	50 - 150					10/31/15 15:34	1
Trifluorotoluene (Surr)	117		50 - 150					10/31/15 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1300		110		ug/L		11/02/15 09:40	11/07/15 02:33	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150				11/02/15 09:40	11/07/15 02:33	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-45_20151019

Lab Sample ID: 580-54440-31

Date Collected: 10/19/15 14:15

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	27		2.0		ug/L			10/29/15 18:38	1
Toluene	3.5		2.0		ug/L			10/29/15 18:38	1
Xylenes, Total	24		3.0		ug/L			10/29/15 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		85 - 120		10/29/15 18:38	1
Trifluorotoluene (Surr)	87		70 - 136		10/29/15 18:38	1
4-Bromofluorobenzene (Surr)	102		75 - 120		10/29/15 18:38	1
Dibromofluoromethane (Surr)	94		85 - 115		10/29/15 18:38	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 120		10/29/15 18:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	230		30		ug/L			10/29/15 18:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		85 - 120		10/29/15 18:13	10
Trifluorotoluene (Surr)	89		70 - 136		10/29/15 18:13	10
4-Bromofluorobenzene (Surr)	100		75 - 120		10/29/15 18:13	10
Dibromofluoromethane (Surr)	94		85 - 115		10/29/15 18:13	10
1,2-Dichloroethane-d4 (Surr)	93		70 - 120		10/29/15 18:13	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3900		50		ug/L			10/31/15 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	261	X	50 - 150		10/31/15 16:04	1
Trifluorotoluene (Surr)	110		50 - 150		10/31/15 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	680		110		ug/L		10/29/15 15:43	11/10/15 15:03	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/10/15 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		50 - 150	10/29/15 15:43	11/10/15 15:03	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-47_20151019

Lab Sample ID: 580-54440-32

Date Collected: 10/19/15 13:30

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/28/15 19:51	1
Toluene	ND		2.0		ug/L			10/28/15 19:51	1
Ethylbenzene	ND		3.0		ug/L			10/28/15 19:51	1
Xylenes, Total	ND		3.0		ug/L			10/28/15 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		10/28/15 19:51	1
Trifluorotoluene (Surr)	101		70 - 136		10/28/15 19:51	1
4-Bromofluorobenzene (Surr)	100		75 - 120		10/28/15 19:51	1
Dibromofluoromethane (Surr)	87		85 - 115		10/28/15 19:51	1
1,2-Dichloroethane-d4 (Surr)	70		70 - 120		10/28/15 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	280		50		ug/L			11/02/15 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		11/02/15 17:21	1
Trifluorotoluene (Surr)	106		50 - 150		11/02/15 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/29/15 15:43	11/08/15 05:33	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150	10/29/15 15:43	11/08/15 05:33	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-48_20151019

Lab Sample ID: 580-54440-33

Date Collected: 10/19/15 13:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/28/15 12:49	1
Toluene	ND		2.0		ug/L			10/28/15 12:49	1
Ethylbenzene	ND		3.0		ug/L			10/28/15 12:49	1
Xylenes, Total	ND		3.0		ug/L			10/28/15 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		10/28/15 12:49	1
Trifluorotoluene (Surr)	102		70 - 136		10/28/15 12:49	1
4-Bromofluorobenzene (Surr)	99		75 - 120		10/28/15 12:49	1
Dibromofluoromethane (Surr)	93		85 - 115		10/28/15 12:49	1
1,2-Dichloroethane-d4 (Surr)	81		70 - 120		10/28/15 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			11/05/15 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		11/05/15 00:41	1
Trifluorotoluene (Surr)	113		50 - 150		11/05/15 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	F2 F1	110		ug/L		10/29/15 15:43	11/08/15 05:51	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	52		50 - 150	10/29/15 15:43	11/08/15 05:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-49_20151019

Lab Sample ID: 580-54440-34

Date Collected: 10/19/15 10:55

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 19:12	1
Toluene	ND		2.0		ug/L			10/27/15 19:12	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 19:12	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120		10/27/15 19:12	1
Trifluorotoluene (Surr)	100		70 - 136		10/27/15 19:12	1
4-Bromofluorobenzene (Surr)	98		75 - 120		10/27/15 19:12	1
Dibromofluoromethane (Surr)	90		85 - 115		10/27/15 19:12	1
1,2-Dichloroethane-d4 (Surr)	74		70 - 120		10/27/15 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/01/15 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150		11/01/15 22:10	1
Trifluorotoluene (Surr)	114		50 - 150		11/01/15 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/29/15 15:43	11/08/15 06:43	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/08/15 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	10/29/15 15:43	11/08/15 06:43	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-50_20151019

Lab Sample ID: 580-54440-35

Date Collected: 10/19/15 10:30

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 15:24	1
Toluene	ND		2.0		ug/L			10/27/15 15:24	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 15:24	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		10/27/15 15:24	1
Trifluorotoluene (Surr)	102		70 - 136		10/27/15 15:24	1
4-Bromofluorobenzene (Surr)	101		75 - 120		10/27/15 15:24	1
Dibromofluoromethane (Surr)	95		85 - 115		10/27/15 15:24	1
1,2-Dichloroethane-d4 (Surr)	84		70 - 120		10/27/15 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/01/15 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150		11/01/15 22:40	1
Trifluorotoluene (Surr)	113		50 - 150		11/01/15 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	H	110		ug/L		11/12/15 13:39	11/12/15 22:31	1
Motor Oil (>C24-C36)	ND	H	250		ug/L		11/12/15 13:39	11/12/15 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150	11/12/15 13:39	11/12/15 22:31	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-51_20151019

Lab Sample ID: 580-54440-36

Date Collected: 10/19/15 15:00

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 19:40	1
Toluene	ND		2.0		ug/L			10/27/15 19:40	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 19:40	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		10/27/15 19:40	1
Trifluorotoluene (Surr)	102		70 - 136		10/27/15 19:40	1
4-Bromofluorobenzene (Surr)	98		75 - 120		10/27/15 19:40	1
Dibromofluoromethane (Surr)	89		85 - 115		10/27/15 19:40	1
1,2-Dichloroethane-d4 (Surr)	75		70 - 120		10/27/15 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/01/15 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150		11/01/15 23:11	1
Trifluorotoluene (Surr)	112		50 - 150		11/01/15 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	190		110		ug/L		10/30/15 10:42	11/08/15 03:47	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/30/15 10:42	11/08/15 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	57		50 - 150	10/30/15 10:42	11/08/15 03:47	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-52_20151019

Lab Sample ID: 580-54440-37

Date Collected: 10/19/15 15:00

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	14		2.0		ug/L			10/27/15 13:52	1
Xylenes, Total	32		3.0		ug/L			10/27/15 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		85 - 120					10/27/15 13:52	1
Trifluorotoluene (Surr)	87		70 - 136					10/27/15 13:52	1
4-Bromofluorobenzene (Surr)	102		75 - 120					10/27/15 13:52	1
Dibromofluoromethane (Surr)	96		85 - 115					10/27/15 13:52	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 120					10/27/15 13:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	330	F1	20		ug/L			10/28/15 13:57	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		85 - 120					10/28/15 13:57	10
Trifluorotoluene (Surr)	88		70 - 136					10/28/15 13:57	10
4-Bromofluorobenzene (Surr)	98		75 - 120					10/28/15 13:57	10
Dibromofluoromethane (Surr)	97		85 - 115					10/28/15 13:57	10
1,2-Dichloroethane-d4 (Surr)	102		70 - 120					10/28/15 13:57	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1300	F1	150		ug/L			10/28/15 20:19	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120					10/28/15 20:19	50
Trifluorotoluene (Surr)	102		70 - 136					10/28/15 20:19	50
4-Bromofluorobenzene (Surr)	102		75 - 120					10/28/15 20:19	50
Dibromofluoromethane (Surr)	87		85 - 115					10/28/15 20:19	50
1,2-Dichloroethane-d4 (Surr)	70		70 - 120					10/28/15 20:19	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	13000		50		ug/L			11/02/15 07:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	410	X	50 - 150					11/02/15 07:16	1
Trifluorotoluene (Surr)	114		50 - 150					11/02/15 07:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3400	F1	110		ug/L		10/30/15 10:42	11/08/15 04:05	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/30/15 10:42	11/08/15 04:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	68		50 - 150				10/30/15 10:42	11/08/15 04:05	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-53_20151020

Lab Sample ID: 580-54440-38

Date Collected: 10/20/15 08:40

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	420		100		ug/L			11/01/15 04:20	50
Ethylbenzene	2600		150		ug/L			11/01/15 04:20	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120					11/01/15 04:20	50
Trifluorotoluene (Surr)	91		70 - 136					11/01/15 04:20	50
4-Bromofluorobenzene (Surr)	95		75 - 120					11/01/15 04:20	50
Dibromofluoromethane (Surr)	99		85 - 115					11/01/15 04:20	50
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					11/01/15 04:20	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	12000		300		ug/L			11/01/15 03:51	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		85 - 120					11/01/15 03:51	100
Trifluorotoluene (Surr)	94		70 - 136					11/01/15 03:51	100
4-Bromofluorobenzene (Surr)	96		75 - 120					11/01/15 03:51	100
Dibromofluoromethane (Surr)	96		85 - 115					11/01/15 03:51	100
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					11/01/15 03:51	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15000		2000		ug/L			11/01/15 19:46	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		85 - 120					11/01/15 19:46	1000
Trifluorotoluene (Surr)	101		70 - 136					11/01/15 19:46	1000
4-Bromofluorobenzene (Surr)	92		75 - 120					11/01/15 19:46	1000
Dibromofluoromethane (Surr)	95		85 - 115					11/01/15 19:46	1000
1,2-Dichloroethane-d4 (Surr)	92		70 - 120					11/01/15 19:46	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	44000	H	2500		ug/L			11/05/15 01:42	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150					11/05/15 01:42	50
Trifluorotoluene (Surr)	116		50 - 150					11/05/15 01:42	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3300		110		ug/L		11/02/15 15:30	11/06/15 16:35	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 15:30	11/06/15 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	48	X	50 - 150				11/02/15 15:30	11/06/15 16:35	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Dup-4_20151020

Lab Sample ID: 580-54440-39

Date Collected: 10/20/15 09:10

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	9.0		2.0		ug/L			10/29/15 16:53	1
Ethylbenzene	60		3.0		ug/L			10/29/15 16:53	1
Xylenes, Total	15		3.0		ug/L			10/29/15 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120					10/29/15 16:53	1
Trifluorotoluene (Surr)	101		70 - 136					10/29/15 16:53	1
4-Bromofluorobenzene (Surr)	101		75 - 120					10/29/15 16:53	1
Dibromofluoromethane (Surr)	97		85 - 115					10/29/15 16:53	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 120					10/29/15 16:53	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	320		40		ug/L			10/31/15 17:14	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120					10/31/15 17:14	20
Trifluorotoluene (Surr)	95		70 - 136					10/31/15 17:14	20
4-Bromofluorobenzene (Surr)	94		75 - 120					10/31/15 17:14	20
Dibromofluoromethane (Surr)	97		85 - 115					10/31/15 17:14	20
1,2-Dichloroethane-d4 (Surr)	95		70 - 120					10/31/15 17:14	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4800		50		ug/L			11/02/15 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	262	X	50 - 150					11/02/15 00:11	1
Trifluorotoluene (Surr)	123		50 - 150					11/02/15 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2000		110		ug/L		11/02/15 15:30	11/06/15 16:52	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 15:30	11/06/15 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	57		50 - 150				11/02/15 15:30	11/06/15 16:52	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Trip Blank-4_20151020

Lab Sample ID: 580-54440-40

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 12:28	1
Toluene	ND		2.0		ug/L			10/29/15 12:28	1
Ethylbenzene	ND		3.0		ug/L			10/29/15 12:28	1
Xylenes, Total	ND		3.0		ug/L			10/29/15 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		85 - 120		10/29/15 12:28	1
Trifluorotoluene (Surr)	86		70 - 136		10/29/15 12:28	1
4-Bromofluorobenzene (Surr)	97		75 - 120		10/29/15 12:28	1
Dibromofluoromethane (Surr)	92		85 - 115		10/29/15 12:28	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 120		10/29/15 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/01/15 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150		11/01/15 21:39	1
Trifluorotoluene (Surr)	113		50 - 150		11/01/15 21:39	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: IW-1_20151019

Lab Sample ID: 580-54440-41

Date Collected: 10/19/15 13:05

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 15:39	1
Toluene	ND		2.0		ug/L			10/27/15 15:39	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 15:39	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		85 - 120		10/27/15 15:39	1
Trifluorotoluene (Surr)	85		70 - 136		10/27/15 15:39	1
4-Bromofluorobenzene (Surr)	99		75 - 120		10/27/15 15:39	1
Dibromofluoromethane (Surr)	95		85 - 115		10/27/15 15:39	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		10/27/15 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			11/05/15 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		11/05/15 00:11	1
Trifluorotoluene (Surr)	117		50 - 150		11/05/15 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	420		110		ug/L		10/30/15 10:42	11/08/15 04:58	1
Motor Oil (>C24-C36)	ND		260		ug/L		10/30/15 10:42	11/08/15 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	53		50 - 150	10/30/15 10:42	11/08/15 04:58	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-55_20151019

Lab Sample ID: 580-54440-42

Date Collected: 10/19/15 15:20

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/28/15 15:39	1
Toluene	ND		2.0		ug/L			10/28/15 15:39	1
Ethylbenzene	ND		3.0		ug/L			10/28/15 15:39	1
Xylenes, Total	ND		3.0		ug/L			10/28/15 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		85 - 120		10/28/15 15:39	1
Trifluorotoluene (Surr)	102		70 - 136		10/28/15 15:39	1
4-Bromofluorobenzene (Surr)	101		75 - 120		10/28/15 15:39	1
Dibromofluoromethane (Surr)	93		85 - 115		10/28/15 15:39	1
1,2-Dichloroethane-d4 (Surr)	81		70 - 120		10/28/15 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		11/02/15 06:45	1
Trifluorotoluene (Surr)	111		50 - 150		11/02/15 06:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/02/15 09:40	11/07/15 02:50	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/07/15 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		50 - 150	11/02/15 09:40	11/07/15 02:50	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-56_20151020

Lab Sample ID: 580-54440-43

Date Collected: 10/20/15 15:30

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	9200		150		ug/L			11/01/15 01:57	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		85 - 120					11/01/15 01:57	50
Trifluorotoluene (Surr)	94		70 - 136					11/01/15 01:57	50
4-Bromofluorobenzene (Surr)	96		75 - 120					11/01/15 01:57	50
Dibromofluoromethane (Surr)	98		85 - 115					11/01/15 01:57	50
1,2-Dichloroethane-d4 (Surr)	94		70 - 120					11/01/15 01:57	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		200		ug/L			11/01/15 21:13	100
Toluene	ND		200		ug/L			11/01/15 21:13	100
Ethylbenzene	2400		300		ug/L			11/01/15 21:13	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120					11/01/15 21:13	100
Trifluorotoluene (Surr)	96		70 - 136					11/01/15 21:13	100
4-Bromofluorobenzene (Surr)	96		75 - 120					11/01/15 21:13	100
Dibromofluoromethane (Surr)	101		85 - 115					11/01/15 21:13	100
1,2-Dichloroethane-d4 (Surr)	94		70 - 120					11/01/15 21:13	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	41000	H	2500		ug/L			11/05/15 01:11	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150					11/05/15 01:11	50
Trifluorotoluene (Surr)	116		50 - 150					11/05/15 01:11	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3300	F1	110		ug/L		11/02/15 15:30	11/06/15 17:10	1
Motor Oil (>C24-C36)	ND	F1	250		ug/L		11/02/15 15:30	11/06/15 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	51		50 - 150				11/02/15 15:30	11/06/15 17:10	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-57_20151020

Lab Sample ID: 580-54440-44

Date Collected: 10/20/15 14:40

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.6		2.0		ug/L			11/02/15 16:51	1
Toluene	ND		2.0		ug/L			11/02/15 16:51	1
Ethylbenzene	ND		3.0		ug/L			11/02/15 16:51	1
Xylenes, Total	ND		3.0		ug/L			11/02/15 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120		11/02/15 16:51	1
Trifluorotoluene (Surr)	95		70 - 136		11/02/15 16:51	1
4-Bromofluorobenzene (Surr)	96		75 - 120		11/02/15 16:51	1
Dibromofluoromethane (Surr)	97		85 - 115		11/02/15 16:51	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		11/02/15 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	160		50		ug/L			11/02/15 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		50 - 150		11/02/15 01:43	1
Trifluorotoluene (Surr)	110		50 - 150		11/02/15 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/03/15 09:36	11/07/15 00:22	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	11/03/15 09:36	11/07/15 00:22	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-58_20151020

Lab Sample ID: 580-54440-45

Date Collected: 10/20/15 14:25

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			11/02/15 17:20	1
Toluene	ND		2.0		ug/L			11/02/15 17:20	1
Ethylbenzene	ND		3.0		ug/L			11/02/15 17:20	1
Xylenes, Total	ND		3.0		ug/L			11/02/15 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		11/02/15 17:20	1
Trifluorotoluene (Surr)	94		70 - 136		11/02/15 17:20	1
4-Bromofluorobenzene (Surr)	96		75 - 120		11/02/15 17:20	1
Dibromofluoromethane (Surr)	99		85 - 115		11/02/15 17:20	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		11/02/15 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1900		50		ug/L			11/02/15 02:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146		50 - 150		11/02/15 02:13	1
Trifluorotoluene (Surr)	113		50 - 150		11/02/15 02:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	990		110		ug/L		11/03/15 09:36	11/07/15 00:42	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	11/03/15 09:36	11/07/15 00:42	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-59_20151020

Lab Sample ID: 580-54440-46

Date Collected: 10/20/15 14:05

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.7		2.0		ug/L			11/02/15 17:48	1
Toluene	43		2.0		ug/L			11/02/15 17:48	1
Ethylbenzene	ND		3.0		ug/L			11/02/15 17:48	1
Xylenes, Total	ND		3.0		ug/L			11/02/15 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120		11/02/15 17:48	1
Trifluorotoluene (Surr)	97		70 - 136		11/02/15 17:48	1
4-Bromofluorobenzene (Surr)	93		75 - 120		11/02/15 17:48	1
Dibromofluoromethane (Surr)	94		85 - 115		11/02/15 17:48	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 120		11/02/15 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2100		50		ug/L			11/02/15 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150		50 - 150		11/02/15 02:43	1
Trifluorotoluene (Surr)	113		50 - 150		11/02/15 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	660		110		ug/L		11/03/15 09:36	11/07/15 01:02	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 01:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	11/03/15 09:36	11/07/15 01:02	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-60_20151020

Lab Sample ID: 580-54440-47

Date Collected: 10/20/15 14:05

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			11/02/15 14:55	1
Toluene	ND		2.0		ug/L			11/02/15 14:55	1
Ethylbenzene	ND		3.0		ug/L			11/02/15 14:55	1
Xylenes, Total	ND		3.0		ug/L			11/02/15 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120		11/02/15 14:55	1
Trifluorotoluene (Surr)	99		70 - 136		11/02/15 14:55	1
4-Bromofluorobenzene (Surr)	94		75 - 120		11/02/15 14:55	1
Dibromofluoromethane (Surr)	98		85 - 115		11/02/15 14:55	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 120		11/02/15 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50		ug/L			11/04/15 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		11/04/15 23:40	1
Trifluorotoluene (Surr)	117		50 - 150		11/04/15 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/03/15 09:36	11/07/15 01:23	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	11/03/15 09:36	11/07/15 01:23	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-61_20151020

Lab Sample ID: 580-54440-48

Date Collected: 10/20/15 14:20

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			11/02/15 15:24	1
Toluene	ND		2.0		ug/L			11/02/15 15:24	1
Ethylbenzene	ND		3.0		ug/L			11/02/15 15:24	1
Xylenes, Total	ND		3.0		ug/L			11/02/15 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120		11/02/15 15:24	1
Trifluorotoluene (Surr)	99		70 - 136		11/02/15 15:24	1
4-Bromofluorobenzene (Surr)	92		75 - 120		11/02/15 15:24	1
Dibromofluoromethane (Surr)	96		85 - 115		11/02/15 15:24	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 120		11/02/15 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150		11/02/15 03:44	1
Trifluorotoluene (Surr)	111		50 - 150		11/02/15 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/03/15 09:36	11/07/15 01:43	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	11/03/15 09:36	11/07/15 01:43	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-62_20151020

Lab Sample ID: 580-54440-49

Date Collected: 10/20/15 14:40

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			11/02/15 15:52	1
Toluene	ND		2.0		ug/L			11/02/15 15:52	1
Ethylbenzene	ND		3.0		ug/L			11/02/15 15:52	1
Xylenes, Total	ND		3.0		ug/L			11/02/15 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		11/02/15 15:52	1
Trifluorotoluene (Surr)	99		70 - 136		11/02/15 15:52	1
4-Bromofluorobenzene (Surr)	93		75 - 120		11/02/15 15:52	1
Dibromofluoromethane (Surr)	98		85 - 115		11/02/15 15:52	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 120		11/02/15 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150		11/02/15 04:14	1
Trifluorotoluene (Surr)	111		50 - 150		11/02/15 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	H	110		ug/L		11/12/15 13:39	11/12/15 22:51	1
Motor Oil (>C24-C36)	ND	H	250		ug/L		11/12/15 13:39	11/12/15 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150	11/12/15 13:39	11/12/15 22:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-63_20151020

Lab Sample ID: 580-54440-50

Date Collected: 10/20/15 15:00

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.1		2.0		ug/L			11/02/15 16:22	1
Toluene	7.1		2.0		ug/L			11/02/15 16:22	1
Ethylbenzene	89		3.0		ug/L			11/02/15 16:22	1
Xylenes, Total	120		3.0		ug/L			11/02/15 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		11/02/15 16:22	1
Trifluorotoluene (Surr)	100		70 - 136		11/02/15 16:22	1
4-Bromofluorobenzene (Surr)	97		75 - 120		11/02/15 16:22	1
Dibromofluoromethane (Surr)	100		85 - 115		11/02/15 16:22	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		11/02/15 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1500		50		ug/L			11/02/15 04:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		50 - 150		11/02/15 04:44	1
Trifluorotoluene (Surr)	113		50 - 150		11/02/15 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	260	H	110		ug/L		11/12/15 13:39	11/12/15 23:12	1
Motor Oil (>C24-C36)	ND	H	250		ug/L		11/12/15 13:39	11/12/15 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/12/15 13:39	11/12/15 23:12	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-64_20151019

Lab Sample ID: 580-54440-51

Date Collected: 10/19/15 08:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19		2.0		ug/L			10/27/15 20:08	1
Toluene	2.0		2.0		ug/L			10/27/15 20:08	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 20:08	1
Xylenes, Total	5.4		3.0		ug/L			10/27/15 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120		10/27/15 20:08	1
Trifluorotoluene (Surr)	101		70 - 136		10/27/15 20:08	1
4-Bromofluorobenzene (Surr)	102		75 - 120		10/27/15 20:08	1
Dibromofluoromethane (Surr)	91		85 - 115		10/27/15 20:08	1
1,2-Dichloroethane-d4 (Surr)	76		70 - 120		10/27/15 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1600		50		ug/L			11/02/15 05:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	182	X	50 - 150		11/02/15 05:15	1
Trifluorotoluene (Surr)	113		50 - 150		11/02/15 05:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1900		110		ug/L		10/30/15 10:42	11/08/15 05:33	1
Motor Oil (>C24-C36)	270		250		ug/L		10/30/15 10:42	11/08/15 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	56		50 - 150	10/30/15 10:42	11/08/15 05:33	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Dup-5_20151020

Lab Sample ID: 580-54440-52

Date Collected: 10/20/15 09:45

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/28/15 17:56	1
Toluene	ND		2.0		ug/L			10/28/15 17:56	1
Ethylbenzene	7.9		3.0		ug/L			10/28/15 17:56	1
Xylenes, Total	18		3.0		ug/L			10/28/15 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		85 - 120		10/28/15 17:56	1
Trifluorotoluene (Surr)	87		70 - 136		10/28/15 17:56	1
4-Bromofluorobenzene (Surr)	99		75 - 120		10/28/15 17:56	1
Dibromofluoromethane (Surr)	96		85 - 115		10/28/15 17:56	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		10/28/15 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	3500		50		ug/L			11/02/15 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	X	50 - 150		11/02/15 05:45	1
Trifluorotoluene (Surr)	109		50 - 150		11/02/15 05:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	700		110		ug/L		11/03/15 09:36	11/07/15 19:01	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	53		50 - 150	11/03/15 09:36	11/07/15 19:01	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Trip Blank-5_20151020

Lab Sample ID: 580-54440-53

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 12:55	1
Toluene	ND		2.0		ug/L			10/29/15 12:55	1
Ethylbenzene	ND		3.0		ug/L			10/29/15 12:55	1
Xylenes, Total	ND		3.0		ug/L			10/29/15 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120		10/29/15 12:55	1
Trifluorotoluene (Surr)	84		70 - 136		10/29/15 12:55	1
4-Bromofluorobenzene (Surr)	98		75 - 120		10/29/15 12:55	1
Dibromofluoromethane (Surr)	94		85 - 115		10/29/15 12:55	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 120		10/29/15 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150		11/02/15 18:51	1
Trifluorotoluene (Surr)	109		50 - 150		11/02/15 18:51	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-66_20151020

Lab Sample ID: 580-54440-54

Date Collected: 10/20/15 09:10

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	9.2		2.0		ug/L			10/29/15 19:47	1
Ethylbenzene	84		3.0		ug/L			10/29/15 19:47	1
Xylenes, Total	16		3.0		ug/L			10/29/15 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		85 - 120					10/29/15 19:47	1
Trifluorotoluene (Surr)	99		70 - 136					10/29/15 19:47	1
4-Bromofluorobenzene (Surr)	98		75 - 120					10/29/15 19:47	1
Dibromofluoromethane (Surr)	96		85 - 115					10/29/15 19:47	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 120					10/29/15 19:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	290		40		ug/L			11/01/15 04:48	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120					11/01/15 04:48	20
Trifluorotoluene (Surr)	93		70 - 136					11/01/15 04:48	20
4-Bromofluorobenzene (Surr)	91		75 - 120					11/01/15 04:48	20
Dibromofluoromethane (Surr)	96		85 - 115					11/01/15 04:48	20
1,2-Dichloroethane-d4 (Surr)	96		70 - 120					11/01/15 04:48	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4000		50		ug/L			11/02/15 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	X	50 - 150					11/02/15 19:22	1
Trifluorotoluene (Surr)	111		50 - 150					11/02/15 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	870		110		ug/L		11/03/15 09:36	11/07/15 03:26	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	59		50 - 150				11/03/15 09:36	11/07/15 03:26	1

TestAmerica Seattle

Client Sample Results

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-65_20151020

Lab Sample ID: 580-54440-55

Date Collected: 10/20/15 09:10

Matrix: Water

Date Received: 10/22/15 12:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	22		2.0		ug/L			10/29/15 20:16	1
Xylenes, Total	54		3.0		ug/L			10/29/15 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		85 - 120					10/29/15 20:16	1
Trifluorotoluene (Surr)	97		70 - 136					10/29/15 20:16	1
4-Bromofluorobenzene (Surr)	99		75 - 120					10/29/15 20:16	1
Dibromofluoromethane (Surr)	89		85 - 115					10/29/15 20:16	1
1,2-Dichloroethane-d4 (Surr)	82		70 - 120					10/29/15 20:16	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1900		100		ug/L			11/01/15 05:17	50
Ethylbenzene	1100		150		ug/L			11/01/15 05:17	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120					11/01/15 05:17	50
Trifluorotoluene (Surr)	95		70 - 136					11/01/15 05:17	50
4-Bromofluorobenzene (Surr)	93		75 - 120					11/01/15 05:17	50
Dibromofluoromethane (Surr)	96		85 - 115					11/01/15 05:17	50
1,2-Dichloroethane-d4 (Surr)	97		70 - 120					11/01/15 05:17	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7200		500		ug/L			11/03/15 20:49	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		50 - 150					11/03/15 20:49	10
Trifluorotoluene (Surr)	113		50 - 150					11/03/15 20:49	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1600		110		ug/L		11/03/15 09:36	11/07/15 19:21	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/07/15 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	56		50 - 150				11/03/15 09:36	11/07/15 19:21	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-204291/4

Matrix: Water

Analysis Batch: 204291

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/27/15 11:25	1
Toluene	ND		2.0		ug/L			10/27/15 11:25	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 11:25	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		85 - 120		10/27/15 11:25	1
Trifluorotoluene (Surr)	103		70 - 136		10/27/15 11:25	1
4-Bromofluorobenzene (Surr)	102		75 - 120		10/27/15 11:25	1
Dibromofluoromethane (Surr)	96		85 - 115		10/27/15 11:25	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 120		10/27/15 11:25	1

Lab Sample ID: LCS 580-204291/5

Matrix: Water

Analysis Batch: 204291

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	17.3		ug/L		86	80 - 120
Toluene	20.0	18.0		ug/L		90	75 - 120
Ethylbenzene	20.1	17.8		ug/L		89	75 - 125
m-Xylene & p-Xylene	20.0	17.8		ug/L		89	75 - 130
o-Xylene	20.0	17.3		ug/L		86	80 - 120
Xylenes, Total	40.1	35.1		ug/L		88	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		85 - 120
Trifluorotoluene (Surr)	103		70 - 136
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115
1,2-Dichloroethane-d4 (Surr)	85		70 - 120

Lab Sample ID: LCSD 580-204291/6

Matrix: Water

Analysis Batch: 204291

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	20.1	18.2		ug/L		91	80 - 120	5	30
Toluene	20.0	18.7		ug/L		93	75 - 120	4	30
Ethylbenzene	20.1	18.4		ug/L		92	75 - 125	3	30
m-Xylene & p-Xylene	20.0	18.4		ug/L		92	75 - 130	3	30
o-Xylene	20.0	17.5		ug/L		88	80 - 120	1	30
Xylenes, Total	40.1	35.9		ug/L		90	75 - 125	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	105		70 - 136
4-Bromofluorobenzene (Surr)	101		75 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204291/6

Matrix: Water

Analysis Batch: 204291

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	95		85 - 115
1,2-Dichloroethane-d4 (Surr)	82		70 - 120

Lab Sample ID: MB 580-204294/5

Matrix: Water

Analysis Batch: 204294

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		2.0		ug/L			10/27/15 11:11	1
Toluene	ND		2.0		ug/L			10/27/15 11:11	1
Ethylbenzene	ND		3.0		ug/L			10/27/15 11:11	1
Xylenes, Total	ND		3.0		ug/L			10/27/15 11:11	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	100		85 - 120		10/27/15 11:11	1
Trifluorotoluene (Surr)	88		70 - 136		10/27/15 11:11	1
4-Bromofluorobenzene (Surr)	99		75 - 120		10/27/15 11:11	1
Dibromofluoromethane (Surr)	96		85 - 115		10/27/15 11:11	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 120		10/27/15 11:11	1

Lab Sample ID: LCS 580-204294/6

Matrix: Water

Analysis Batch: 204294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	20.1		ug/L		100	80 - 120
Toluene	20.0	21.0		ug/L		105	75 - 120
Ethylbenzene	20.1	20.7		ug/L		103	75 - 125
m-Xylene & p-Xylene	20.0	21.3		ug/L		106	75 - 130
o-Xylene	20.0	20.8		ug/L		104	80 - 120
Xylenes, Total	40.1	42.1		ug/L		105	75 - 125

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	86		70 - 136
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	103		70 - 120

Lab Sample ID: LCSD 580-204294/7

Matrix: Water

Analysis Batch: 204294

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	20.1	19.8		ug/L		98	80 - 120	2	30
Toluene	20.0	20.3		ug/L		102	75 - 120	3	30
Ethylbenzene	20.1	19.8		ug/L		99	75 - 125	4	30

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204294/7

Matrix: Water

Analysis Batch: 204294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	20.0	20.6		ug/L		103	75 - 130	3	30
o-Xylene	20.0	20.2		ug/L		101	80 - 120	3	30
Xylenes, Total	40.1	40.8		ug/L		102	75 - 125	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	97		85 - 120
Trifluorotoluene (Surr)	87		70 - 136
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	103		70 - 120

Lab Sample ID: 580-54440-37 MS

Matrix: Water

Analysis Batch: 204294

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	14		20.0	30.9		ug/L		83	75 - 120
m-Xylene & p-Xylene	29		20.0	51.4		ug/L		114	75 - 130
o-Xylene	2.7		20.0	22.8		ug/L		101	80 - 120
Xylenes, Total	32		40.1	74.2		ug/L		106	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	95		85 - 120
Trifluorotoluene (Surr)	90		70 - 136
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	98		70 - 120

Lab Sample ID: 580-54440-37 MSD

Matrix: Water

Analysis Batch: 204294

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	14		20.0	32.2		ug/L		89	75 - 120	4	30
m-Xylene & p-Xylene	29		20.0	52.5		ug/L		119	75 - 130	2	30
o-Xylene	2.7		20.0	22.9		ug/L		101	80 - 120	0	30
Xylenes, Total	32		40.1	75.4		ug/L		109	75 - 125	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	93		85 - 120
Trifluorotoluene (Surr)	91		70 - 136
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115
1,2-Dichloroethane-d4 (Surr)	99		70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: MB 580-204388/4

Matrix: Water

Analysis Batch: 204388

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/28/15 11:22	1
Toluene	ND		2.0		ug/L			10/28/15 11:22	1
Ethylbenzene	ND		3.0		ug/L			10/28/15 11:22	1
Xylenes, Total	ND		3.0		ug/L			10/28/15 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		10/28/15 11:22	1
Trifluorotoluene (Surr)	101		70 - 136		10/28/15 11:22	1
4-Bromofluorobenzene (Surr)	101		75 - 120		10/28/15 11:22	1
Dibromofluoromethane (Surr)	91		85 - 115		10/28/15 11:22	1
1,2-Dichloroethane-d4 (Surr)	80		70 - 120		10/28/15 11:22	1

Lab Sample ID: LCS 580-204388/5

Matrix: Water

Analysis Batch: 204388

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	17.1		ug/L		85	80 - 120
Toluene	20.0	17.6		ug/L		88	75 - 120
Ethylbenzene	20.1	17.4		ug/L		87	75 - 125
m-Xylene & p-Xylene	20.0	17.2		ug/L		86	75 - 130
o-Xylene	20.0	16.6		ug/L		83	80 - 120
Xylenes, Total	40.1	33.8		ug/L		84	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	104		70 - 136
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	94		85 - 115
1,2-Dichloroethane-d4 (Surr)	82		70 - 120

Lab Sample ID: LCSD 580-204388/6

Matrix: Water

Analysis Batch: 204388

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	20.1	17.0		ug/L		85	80 - 120	1	30
Toluene	20.0	17.3		ug/L		86	75 - 120	2	30
Ethylbenzene	20.1	17.2		ug/L		85	75 - 125	2	30
m-Xylene & p-Xylene	20.0	16.9		ug/L		84	75 - 130	2	30
o-Xylene	20.0	16.6		ug/L		83	80 - 120	0	30
Xylenes, Total	40.1	33.5		ug/L		84	75 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	104		70 - 136
4-Bromofluorobenzene (Surr)	103		75 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204388/6

Matrix: Water

Analysis Batch: 204388

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	94		85 - 115
1,2-Dichloroethane-d4 (Surr)	81		70 - 120

Lab Sample ID: 580-54440-22 MS

Matrix: Water

Analysis Batch: 204388

Client Sample ID: MW-38_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	33	F1	20.1	60.6	F1	ug/L		136	80 - 120
Toluene	ND		20.0	19.4		ug/L		92	75 - 120
Ethylbenzene	ND		20.1	20.7		ug/L		94	75 - 125
m-Xylene & p-Xylene	ND		20.0	19.0		ug/L		89	75 - 130
o-Xylene	ND		20.0	17.1		ug/L		86	80 - 120
Xylenes, Total	ND		40.1	36.1		ug/L		90	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	102		70 - 136
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115
1,2-Dichloroethane-d4 (Surr)	81		70 - 120

Lab Sample ID: 580-54440-22 MSD

Matrix: Water

Analysis Batch: 204388

Client Sample ID: MW-38_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	33	F1	20.1	56.1		ug/L		113	80 - 120	8	30
Toluene	ND		20.0	18.4		ug/L		87	75 - 120	5	30
Ethylbenzene	ND		20.1	19.4		ug/L		87	75 - 125	6	30
m-Xylene & p-Xylene	ND		20.0	17.9		ug/L		83	75 - 130	6	30
o-Xylene	ND		20.0	16.1		ug/L		80	80 - 120	6	30
Xylenes, Total	ND		40.1	34.0		ug/L		85	75 - 125	6	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	98		85 - 120
Trifluorotoluene (Surr)	103		70 - 136
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	80		70 - 120

Lab Sample ID: 580-54440-33 MS

Matrix: Water

Analysis Batch: 204388

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		20.1	17.6		ug/L		88	80 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: 580-54440-33 MS

Matrix: Water

Analysis Batch: 204388

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	ND		20.0	17.7		ug/L		89	75 - 120
Ethylbenzene	ND		20.1	17.5		ug/L		87	75 - 125
m-Xylene & p-Xylene	ND		20.0	17.3		ug/L		86	75 - 130
o-Xylene	ND		20.0	16.7		ug/L		83	80 - 120
Xylenes, Total	ND		40.1	34.0		ug/L		85	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	97		85 - 120
Trifluorotoluene (Surr)	103		70 - 136
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	81		70 - 120

Lab Sample ID: 580-54440-33 MSD

Matrix: Water

Analysis Batch: 204388

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		20.1	17.3		ug/L		86	80 - 120	2	30
Toluene	ND		20.0	17.7		ug/L		88	75 - 120	0	30
Ethylbenzene	ND		20.1	17.4		ug/L		87	75 - 125	1	30
m-Xylene & p-Xylene	ND		20.0	16.9		ug/L		84	75 - 130	2	30
o-Xylene	ND		20.0	16.5		ug/L		83	80 - 120	1	30
Xylenes, Total	ND		40.1	33.4		ug/L		83	75 - 125	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	104		70 - 136
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	81		70 - 120

Lab Sample ID: 580-54440-37 MS

Matrix: Water

Analysis Batch: 204388

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	1300	F1	1000	2000	F1	ug/L		66	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	98		85 - 120
Trifluorotoluene (Surr)	102		70 - 136
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	88		85 - 115
1,2-Dichloroethane-d4 (Surr)	70		70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: 580-54440-37 MSD

Matrix: Water

Analysis Batch: 204388

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	1300	F1	1000	2260		ug/L		91	75 - 125	12	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	101		85 - 120								
Trifluorotoluene (Surr)	104		70 - 136								
4-Bromofluorobenzene (Surr)	102		75 - 120								
Dibromofluoromethane (Surr)	87		85 - 115								
1,2-Dichloroethane-d4 (Surr)	69	X	70 - 120								

Lab Sample ID: MB 580-204392/4

Matrix: Water

Analysis Batch: 204392

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/28/15 10:19	1
Toluene	ND		2.0		ug/L			10/28/15 10:19	1
Ethylbenzene	ND		3.0		ug/L			10/28/15 10:19	1
Xylenes, Total	ND		3.0		ug/L			10/28/15 10:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		85 - 120					10/28/15 10:19	1
Trifluorotoluene (Surr)	88		70 - 136					10/28/15 10:19	1
4-Bromofluorobenzene (Surr)	96		75 - 120					10/28/15 10:19	1
Dibromofluoromethane (Surr)	93		85 - 115					10/28/15 10:19	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 120					10/28/15 10:19	1

Lab Sample ID: LCS 580-204392/5

Matrix: Water

Analysis Batch: 204392

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	19.7		ug/L		98	80 - 120
Toluene	20.0	20.5		ug/L		103	75 - 120
Ethylbenzene	20.1	20.3		ug/L		101	75 - 125
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	75 - 130
o-Xylene	20.0	20.6		ug/L		103	80 - 120
Xylenes, Total	40.1	41.5		ug/L		104	75 - 125
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	99		85 - 120				
Trifluorotoluene (Surr)	87		70 - 136				
4-Bromofluorobenzene (Surr)	93		75 - 120				
Dibromofluoromethane (Surr)	93		85 - 115				
1,2-Dichloroethane-d4 (Surr)	100		70 - 120				

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204392/6

Matrix: Water

Analysis Batch: 204392

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	20.1	18.6		ug/L		93	80 - 120	6	30
Toluene	20.0	19.9		ug/L		99	75 - 120	3	30
Ethylbenzene	20.1	19.6		ug/L		97	75 - 125	4	30
m-Xylene & p-Xylene	20.0	20.1		ug/L		100	75 - 130	4	30
o-Xylene	20.0	19.4		ug/L		97	80 - 120	6	30
Xylenes, Total	40.1	39.5		ug/L		99	75 - 125	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	90		70 - 136
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	91		85 - 115
1,2-Dichloroethane-d4 (Surr)	99		70 - 120

Lab Sample ID: 580-54440-37 MS

Matrix: Water

Analysis Batch: 204392

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	330	F1	201	465	F1	ug/L		66	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	97		85 - 120
Trifluorotoluene (Surr)	88		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115
1,2-Dichloroethane-d4 (Surr)	97		70 - 120

Lab Sample ID: 580-54440-37 MSD

Matrix: Water

Analysis Batch: 204392

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	330	F1	201	480	F1	ug/L		74	80 - 120	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	98		85 - 120
Trifluorotoluene (Surr)	90		70 - 136
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115
1,2-Dichloroethane-d4 (Surr)	94		70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: MB 580-204484/4

Matrix: Water

Analysis Batch: 204484

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 10:15	1
Toluene	ND		2.0		ug/L			10/29/15 10:15	1
Ethylbenzene	ND		3.0		ug/L			10/29/15 10:15	1
Xylenes, Total	ND		3.0		ug/L			10/29/15 10:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		85 - 120		10/29/15 10:15	1
Trifluorotoluene (Surr)	88		70 - 136		10/29/15 10:15	1
4-Bromofluorobenzene (Surr)	98		75 - 120		10/29/15 10:15	1
Dibromofluoromethane (Surr)	91		85 - 115		10/29/15 10:15	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 120		10/29/15 10:15	1

Lab Sample ID: LCS 580-204484/5

Matrix: Water

Analysis Batch: 204484

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	18.8		ug/L		94	80 - 120
Toluene	20.0	19.9		ug/L		99	75 - 120
Ethylbenzene	20.1	19.7		ug/L		98	75 - 125
m-Xylene & p-Xylene	20.0	20.4		ug/L		102	75 - 130
o-Xylene	20.0	19.6		ug/L		98	80 - 120
Xylenes, Total	40.1	40.0		ug/L		100	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	89		70 - 136
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	94		85 - 115
1,2-Dichloroethane-d4 (Surr)	95		70 - 120

Lab Sample ID: LCSD 580-204484/6

Matrix: Water

Analysis Batch: 204484

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	20.1	19.3		ug/L		96	80 - 120	2	30
Toluene	20.0	19.8		ug/L		99	75 - 120	1	30
Ethylbenzene	20.1	19.6		ug/L		98	75 - 125	0	30
m-Xylene & p-Xylene	20.0	20.0		ug/L		100	75 - 130	2	30
o-Xylene	20.0	19.7		ug/L		98	80 - 120	1	30
Xylenes, Total	40.1	39.7		ug/L		99	75 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	97		85 - 120
Trifluorotoluene (Surr)	89		70 - 136
4-Bromofluorobenzene (Surr)	92		75 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204484/6

Matrix: Water

Analysis Batch: 204484

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	94		85 - 115
1,2-Dichloroethane-d4 (Surr)	98		70 - 120

Lab Sample ID: MB 580-204486/4

Matrix: Water

Analysis Batch: 204486

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/29/15 11:34	1
Toluene	ND		2.0		ug/L			10/29/15 11:34	1
Ethylbenzene	ND		3.0		ug/L			10/29/15 11:34	1
Xylenes, Total	ND		3.0		ug/L			10/29/15 11:34	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		85 - 120				10/29/15 11:34	1
Trifluorotoluene (Surr)	99		70 - 136				10/29/15 11:34	1
4-Bromofluorobenzene (Surr)	92		75 - 120				10/29/15 11:34	1
Dibromofluoromethane (Surr)	98		85 - 115				10/29/15 11:34	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 120				10/29/15 11:34	1

Lab Sample ID: LCS 580-204486/5

Matrix: Water

Analysis Batch: 204486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

				Spike	LCS	LCS				
Analyte				Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene				20.1	18.7		ug/L		93	80 - 120
Toluene				20.0	22.1		ug/L		110	75 - 120
Ethylbenzene				20.1	21.7		ug/L		108	75 - 125
m-Xylene & p-Xylene				20.0	22.1		ug/L		110	75 - 130
o-Xylene				20.0	21.2		ug/L		106	80 - 120
Xylenes, Total				40.1	43.3		ug/L		108	75 - 125

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	107		85 - 120
Trifluorotoluene (Surr)	105		70 - 136
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115
1,2-Dichloroethane-d4 (Surr)	93		70 - 120

Lab Sample ID: LCSD 580-204486/6

Matrix: Water

Analysis Batch: 204486

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Data: 201100											
Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier			Limits	Limit		
Benzene			20.1	19.0		ug/L	-	95	80 - 120	2	30
Toluene			20.0	22.2		ug/L		111	75 - 120	1	30
Ethylbenzene			20.1	22.0		ug/L		109	75 - 125	1	30

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204486/6

Matrix: Water

Analysis Batch: 204486

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	20.0	22.3		ug/L		111	75 - 130	1	30
o-Xylene	20.0	21.3		ug/L		107	80 - 120	1	30
Xylenes, Total	40.1	43.6		ug/L		109	75 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	106		85 - 120
Trifluorotoluene (Surr)	104		70 - 136
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115
1,2-Dichloroethane-d4 (Surr)	91		70 - 120

Lab Sample ID: MB 580-204547/4

Matrix: Water

Analysis Batch: 204547

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/30/15 11:22	1
Toluene	ND		2.0		ug/L			10/30/15 11:22	1
Ethylbenzene	ND		3.0		ug/L			10/30/15 11:22	1
Xylenes, Total	ND		3.0		ug/L			10/30/15 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120		10/30/15 11:22	1
Trifluorotoluene (Surr)	104		70 - 136		10/30/15 11:22	1
4-Bromofluorobenzene (Surr)	92		75 - 120		10/30/15 11:22	1
Dibromofluoromethane (Surr)	97		85 - 115		10/30/15 11:22	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 120		10/30/15 11:22	1

Lab Sample ID: LCS 580-204547/5

Matrix: Water

Analysis Batch: 204547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	19.7		ug/L		98	80 - 120
Toluene	20.0	22.0		ug/L		110	75 - 120
Ethylbenzene	20.1	21.7		ug/L		108	75 - 125
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	75 - 130
o-Xylene	20.0	21.9		ug/L		110	80 - 120
Xylenes, Total	40.1	43.9		ug/L		110	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		85 - 120
Trifluorotoluene (Surr)	104		70 - 136
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115
1,2-Dichloroethane-d4 (Surr)	94		70 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204547/6

Matrix: Water

Analysis Batch: 204547

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	20.1	18.6		ug/L		93	80 - 120	5	30
Toluene	20.0	21.4		ug/L		107	75 - 120	3	30
Ethylbenzene	20.1	20.8		ug/L		104	75 - 125	4	30
m-Xylene & p-Xylene	20.0	21.2		ug/L		106	75 - 130	4	30
o-Xylene	20.0	20.6		ug/L		103	80 - 120	6	30
Xylenes, Total	40.1	41.8		ug/L		104	75 - 125	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	105		85 - 120
Trifluorotoluene (Surr)	104		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	100		85 - 115
1,2-Dichloroethane-d4 (Surr)	91		70 - 120

Lab Sample ID: MB 580-204625/30

Matrix: Water

Analysis Batch: 204625

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/31/15 22:33	1
Toluene	ND		2.0		ug/L			10/31/15 22:33	1
Ethylbenzene	ND		3.0		ug/L			10/31/15 22:33	1
Xylenes, Total	ND		3.0		ug/L			10/31/15 22:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		85 - 120		10/31/15 22:33	1
Trifluorotoluene (Surr)	98		70 - 136		10/31/15 22:33	1
4-Bromofluorobenzene (Surr)	92		75 - 120		10/31/15 22:33	1
Dibromofluoromethane (Surr)	101		85 - 115		10/31/15 22:33	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		10/31/15 22:33	1

Lab Sample ID: MB 580-204625/4

Matrix: Water

Analysis Batch: 204625

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			10/31/15 10:57	1
Toluene	ND		2.0		ug/L			10/31/15 10:57	1
Ethylbenzene	ND		3.0		ug/L			10/31/15 10:57	1
Xylenes, Total	ND		3.0		ug/L			10/31/15 10:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		85 - 120		10/31/15 10:57	1
Trifluorotoluene (Surr)	104		70 - 136		10/31/15 10:57	1
4-Bromofluorobenzene (Surr)	93		75 - 120		10/31/15 10:57	1
Dibromofluoromethane (Surr)	103		85 - 115		10/31/15 10:57	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 120		10/31/15 10:57	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

Lab Sample ID: LCS 580-204625/31

Matrix: Water

Analysis Batch: 204625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	18.9		ug/L		94	80 - 120
Toluene	20.0	20.8		ug/L		104	75 - 120
Ethylbenzene	20.1	21.0		ug/L		104	75 - 125
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	75 - 130
o-Xylene	20.0	20.8		ug/L		104	80 - 120
Xylenes, Total	40.1	41.7		ug/L		104	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		85 - 120
Trifluorotoluene (Surr)	99		70 - 136
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	96		70 - 120

Lab Sample ID: LCS 580-204625/5

Matrix: Water

Analysis Batch: 204625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	18.3		ug/L		91	80 - 120
Toluene	20.0	20.4		ug/L		102	75 - 120
Ethylbenzene	20.1	20.3		ug/L		101	75 - 125
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	75 - 130
o-Xylene	20.0	20.4		ug/L		102	80 - 120
Xylenes, Total	40.1	41.3		ug/L		103	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		85 - 120
Trifluorotoluene (Surr)	100		70 - 136
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115
1,2-Dichloroethane-d4 (Surr)	97		70 - 120

Lab Sample ID: LCSD 580-204625/32

Matrix: Water

Analysis Batch: 204625

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	20.1	18.4		ug/L		92	80 - 120	3	30
Toluene	20.0	20.8		ug/L		104	75 - 120	0	30
Ethylbenzene	20.1	20.5		ug/L		102	75 - 125	2	30
m-Xylene & p-Xylene	20.0	21.1		ug/L		105	75 - 130	1	30
o-Xylene	20.0	20.6		ug/L		103	80 - 120	1	30
Xylenes, Total	40.1	41.7		ug/L		104	75 - 125	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	104		85 - 120
Trifluorotoluene (Surr)	97		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204625/32

Matrix: Water

Analysis Batch: 204625

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	101		85 - 115
1,2-Dichloroethane-d4 (Surr)	93		70 - 120

Lab Sample ID: LCSD 580-204625/6

Matrix: Water

Analysis Batch: 204625

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	20.1	18.2		ug/L		91	80 - 120	1	30
Toluene	20.0	20.0		ug/L		100	75 - 120	2	30
Ethylbenzene	20.1	20.3		ug/L		101	75 - 125	0	30
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	75 - 130	3	30
o-Xylene	20.0	20.4		ug/L		102	80 - 120	0	30
Xylenes, Total	40.1	40.6		ug/L		101	75 - 125	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	101		85 - 120
Trifluorotoluene (Surr)	100		70 - 136
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	102		85 - 115
1,2-Dichloroethane-d4 (Surr)	97		70 - 120

Lab Sample ID: 580-54440-9 MS

Matrix: Water

Analysis Batch: 204625

Client Sample ID: MW-22_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		20.1	18.2		ug/L		91	80 - 120
Toluene	ND		20.0	20.2		ug/L		101	75 - 120
Ethylbenzene	8.2		20.1	29.3		ug/L		105	75 - 125
m-Xylene & p-Xylene	ND		20.0	20.6		ug/L		103	75 - 130
o-Xylene	18	F1	20.0	42.6	F1	ug/L		123	80 - 120
Xylenes, Total	18		40.1	63.2		ug/L		113	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	101		85 - 120
Trifluorotoluene (Surr)	98		70 - 136
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane (Surr)	102		85 - 115
1,2-Dichloroethane-d4 (Surr)	94		70 - 120

Lab Sample ID: 580-54440-9 MSD

Matrix: Water

Analysis Batch: 204625

Client Sample ID: MW-22_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		20.1	18.0		ug/L		90	80 - 120	1	30

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: 580-54440-9 MSD

Matrix: Water

Analysis Batch: 204625

Client Sample ID: MW-22_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		20.0	20.5		ug/L		103	75 - 120	2	30
Ethylbenzene	8.2		20.1	28.7		ug/L		102	75 - 125	2	30
m-Xylene & p-Xylene	ND		20.0	20.7		ug/L		103	75 - 130	0	30
o-Xylene	18	F1	20.0	40.8		ug/L		114	80 - 120	4	30
Xylenes, Total	18		40.1	61.5		ug/L		109	75 - 125	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	103		85 - 120
Trifluorotoluene (Surr)	98		70 - 136
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	91		70 - 120

Lab Sample ID: MB 580-204667/4

Matrix: Water

Analysis Batch: 204667

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			11/01/15 17:21	1
Toluene	ND		2.0		ug/L			11/01/15 17:21	1
Ethylbenzene	ND		3.0		ug/L			11/01/15 17:21	1
Xylenes, Total	ND		3.0		ug/L			11/01/15 17:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		85 - 120		11/01/15 17:21	1
Trifluorotoluene (Surr)	100		70 - 136		11/01/15 17:21	1
4-Bromofluorobenzene (Surr)	95		75 - 120		11/01/15 17:21	1
Dibromofluoromethane (Surr)	94		85 - 115		11/01/15 17:21	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 120		11/01/15 17:21	1

Lab Sample ID: LCS 580-204667/5

Matrix: Water

Analysis Batch: 204667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	16.3		ug/L		81	80 - 120
Toluene	20.0	19.1		ug/L		95	75 - 120
Ethylbenzene	20.1	18.7		ug/L		93	75 - 125
m-Xylene & p-Xylene	20.0	19.1		ug/L		95	75 - 130
o-Xylene	20.0	18.7		ug/L		93	80 - 120
Xylenes, Total	40.1	37.8		ug/L		94	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		85 - 120
Trifluorotoluene (Surr)	100		70 - 136
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCS 580-204667/5

Matrix: Water

Analysis Batch: 204667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 120

Lab Sample ID: LCSD 580-204667/6

Matrix: Water

Analysis Batch: 204667

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	20.1	18.5		ug/L		92	80 - 120	13	30
Toluene	20.0	21.1		ug/L		105	75 - 120	10	30
Ethylbenzene	20.1	21.4		ug/L		107	75 - 125	13	30
m-Xylene & p-Xylene	20.0	21.8		ug/L		109	75 - 130	13	30
o-Xylene	20.0	21.3		ug/L		106	80 - 120	13	30
Xylenes, Total	40.1	43.1		ug/L		108	75 - 125	13	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	102		85 - 120
Trifluorotoluene (Surr)	101		70 - 136
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
1,2-Dichloroethane-d4 (Surr)	93		70 - 120

Lab Sample ID: MB 580-204675/4

Matrix: Water

Analysis Batch: 204675

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			11/02/15 11:02	1
Toluene	ND		2.0		ug/L			11/02/15 11:02	1
Ethylbenzene	ND		3.0		ug/L			11/02/15 11:02	1
Xylenes, Total	ND		3.0		ug/L			11/02/15 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		85 - 120		11/02/15 11:02	1
Trifluorotoluene (Surr)	97		70 - 136		11/02/15 11:02	1
4-Bromofluorobenzene (Surr)	90		75 - 120		11/02/15 11:02	1
Dibromofluoromethane (Surr)	91		85 - 115		11/02/15 11:02	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 120		11/02/15 11:02	1

Lab Sample ID: LCS 580-204675/5

Matrix: Water

Analysis Batch: 204675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	18.7		ug/L		93	80 - 120
Toluene	20.0	21.4		ug/L		107	75 - 120
Ethylbenzene	20.1	20.9		ug/L		104	75 - 125
m-Xylene & p-Xylene	20.0	21.1		ug/L		105	75 - 130

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCS 580-204675/5

Matrix: Water

Analysis Batch: 204675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	20.0	20.2		ug/L		101	80 - 120
Xylenes, Total	40.1	41.3		ug/L		103	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		85 - 120
Trifluorotoluene (Surr)	103		70 - 136
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115
1,2-Dichloroethane-d4 (Surr)	93		70 - 120

Lab Sample ID: LCSD 580-204675/6

Matrix: Water

Analysis Batch: 204675

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	20.1	18.2		ug/L		91	80 - 120	2	30
Toluene	20.0	21.6		ug/L		108	75 - 120	1	30
Ethylbenzene	20.1	20.7		ug/L		103	75 - 125	1	30
m-Xylene & p-Xylene	20.0	21.3		ug/L		106	75 - 130	1	30
o-Xylene	20.0	20.4		ug/L		102	80 - 120	1	30
Xylenes, Total	40.1	41.7		ug/L		104	75 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	106		85 - 120
Trifluorotoluene (Surr)	102		70 - 136
4-Bromofluorobenzene (Surr)	90		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115
1,2-Dichloroethane-d4 (Surr)	92		70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 580-54440-43 MS

Matrix: Water

Analysis Batch: 204625

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene - DL	ND		1000	981		ug/L		93	80 - 120
Toluene - DL	130		1000	1230		ug/L		110	75 - 120
Ethylbenzene - DL	1900	F1	1000	3380	F1	ug/L		145	75 - 125
o-Xylene - DL	1900	F1	1000	3500	F1	ug/L		157	80 - 120
Xylenes, Total - DL	9200		2000	13100	4	ug/L		196	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr) - DL	106		85 - 120
Trifluorotoluene (Surr) - DL	93		70 - 136
4-Bromofluorobenzene (Surr) - DL	97		75 - 120

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 580-54440-43 MS

Matrix: Water

Analysis Batch: 204625

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr) - DL	100		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	92		70 - 120

Lab Sample ID: 580-54440-43 MSD

Matrix: Water

Analysis Batch: 204625

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene - DL	ND		1000	957		ug/L		91	80 - 120	3	30
Toluene - DL	130		1000	1210		ug/L		108	75 - 120	2	30
Ethylbenzene - DL	1900	F1	1000	3310	F1	ug/L		138	75 - 125	2	30
o-Xylene - DL	1900	F1	1000	3330	F1	ug/L		141	80 - 120	5	30
Xylenes, Total - DL	9200		2000	12600	4	ug/L		171	75 - 125	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr) - DL	105		85 - 120
Trifluorotoluene (Surr) - DL	100		70 - 136
4-Bromofluorobenzene (Surr) - DL	95		75 - 120
Dibromofluoromethane (Surr) - DL	101		85 - 115
1,2-Dichloroethane-d4 (Surr) - DL	93		70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Lab Sample ID: 580-54440-43 MS

Matrix: Water

Analysis Batch: 204667

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
m-Xylene & p-Xylene - DL2	9400		2000	11900	4	ug/L		125	75 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Toluene-d8 (Surr) - DL2	100		85 - 120								
Trifluorotoluene (Surr) - DL2	101		70 - 136								
4-Bromofluorobenzene (Surr) - DL2	96		75 - 120								
Dibromofluoromethane (Surr) - DL2	103		85 - 115								
1,2-Dichloroethane-d4 (Surr) - DL2	94		70 - 120								

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 580-54440-43 MSD

Matrix: Water

Analysis Batch: 204667

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene - DL2	9400		2000	11200	4	ug/L		90	75 - 130	6	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr) - DL2	104		85 - 120								
Trifluorotoluene (Surr) - DL2	98		70 - 136								
4-Bromofluorobenzene (Surr) - DL2	95		75 - 120								
Dibromofluoromethane (Surr) - DL2	98		85 - 115								
1,2-Dichloroethane-d4 (Surr) - DL2	94		70 - 120								

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

Lab Sample ID: MB 580-204613/5

Matrix: Water

Analysis Batch: 204613

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			10/30/15 15:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	97		50 - 150		10/30/15 15:53	1			
Trifluorotoluene (Surr)	114		50 - 150		10/30/15 15:53	1			

Lab Sample ID: LCS 580-204613/6

Matrix: Water

Analysis Batch: 204613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline			1160	1140		ug/L	-	98	79 - 110		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
	4-Bromofluorobenzene (Surr)	100		50 - 150							
Trifluorotoluene (Surr)	113		50 - 150								

Lab Sample ID: LCSD 580-204613/7

Matrix: Water

Analysis Batch: 204613

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	1160	1150		ug/L		99	79 - 110	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		50 - 150						
Trifluorotoluene (Surr)	113		50 - 150						

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: 580-54440-9 MS

Matrix: Water

Analysis Batch: 204613

Client Sample ID: MW-22_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	3400		1160	4690		ug/L		109	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	169	X	50 - 150								
Trifluorotoluene (Surr)	108		50 - 150								

Lab Sample ID: 580-54440-9 MSD

Matrix: Water

Analysis Batch: 204613

Client Sample ID: MW-22_20151020

Prep Type: Total/NA

Analysis Date: 10/10/10											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	3400		1160	4830		ug/L	-	120	50 - 150	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	172	X	50 - 150								
Trifluorotoluene (Surr)	109		50 - 150								

Lab Sample ID: 580-54440-22 MS

Matrix: Water

Analysis Batch: 204613

Client Sample ID: MW-38_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	890		1160	2010		ug/L		97	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	125		50 - 150								
Trifluorotoluene (Surr)	109		50 - 150								

Lab Sample ID: 580-54440-22 MSD

Matrix: Water

Analysis Batch: 204613

Client Sample ID: MW-38_20151019

Prep Type: Total/NA

Analysis Date: 10/10/10											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	890		1160	1930		ug/L	-	90	50 - 150	4	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	122		50 - 150								
Trifluorotoluene (Surr)	110		50 - 150								

Lab Sample ID: MB 580-204614/5

Matrix: Water

Analysis Batch: 204614

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			10/31/15 08:01	1

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: MB 580-204614/5

Matrix: Water

Analysis Batch: 204614

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150		10/31/15 08:01	1
Trifluorotoluene (Surr)	111		50 - 150		10/31/15 08:01	1

Lab Sample ID: LCS 580-204614/6

Matrix: Water

Analysis Batch: 204614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1080		ug/L		93	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	104		50 - 150				
Trifluorotoluene (Surr)	111		50 - 150				

Lab Sample ID: LCSD 580-204614/7

Matrix: Water

Analysis Batch: 204614

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	1160	1050		ug/L		90	79 - 110	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		50 - 150						
Trifluorotoluene (Surr)	108		50 - 150						

Lab Sample ID: MB 580-204672/5

Matrix: Water

Analysis Batch: 204672

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/01/15 20:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	101		50 - 150		11/01/15 20:08	1			
Trifluorotoluene (Surr)	115		50 - 150		11/01/15 20:08	1			

Lab Sample ID: LCS 580-204672/6

Matrix: Water

Analysis Batch: 204672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1180		ug/L		101	79 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	107		50 - 150				
Trifluorotoluene (Surr)	117		50 - 150				

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCSD 580-204672/7

Matrix: Water

Analysis Batch: 204672

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	1160	1130		ug/L		98	79 - 110	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		50 - 150						
Trifluorotoluene (Surr)	113		50 - 150						

Lab Sample ID: 580-54440-37 MS

Matrix: Water

Analysis Batch: 204672

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	13000		1160	14200	4	ug/L		103	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	415	X	50 - 150								
Trifluorotoluene (Surr)	112		50 - 150								

Lab Sample ID: 580-54440-37 MSD

Matrix: Water

Analysis Batch: 204672

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	13000		1160	13700	4	ug/L		64	50 - 150	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	405	X	50 - 150								
Trifluorotoluene (Surr)	111		50 - 150								

Lab Sample ID: MB 580-204673/5

Matrix: Water

Analysis Batch: 204673

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/02/15 14:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	97		50 - 150		11/02/15 14:19	1			
Trifluorotoluene (Surr)	108		50 - 150		11/02/15 14:19	1			

Lab Sample ID: LCS 580-204673/6

Matrix: Water

Analysis Batch: 204673

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1160	1070		ug/L		92	79 - 110		

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCS 580-204673/6

Matrix: Water

Analysis Batch: 204673

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		50 - 150
Trifluorotoluene (Surr)	108		50 - 150

Lab Sample ID: LCSD 580-204673/7

Matrix: Water

Analysis Batch: 204673

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	1160	1100		ug/L		94	79 - 110	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		50 - 150						
Trifluorotoluene (Surr)	109		50 - 150						

Lab Sample ID: MB 580-204823/5

Matrix: Water

Analysis Batch: 204823

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L	-		11/03/15 15:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150					11/03/15 15:47	1
Trifluorotoluene (Surr)	111		50 - 150					11/03/15 15:47	1

Lab Sample ID: LCS 580-204823/6

Matrix: Water

Analysis Batch: 204823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1160	1130		ug/L	-	97	79 - 110		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		50 - 150								
Trifluorotoluene (Surr)	111		50 - 150								

Lab Sample ID: LCSD 580-204823/7

Matrix: Water

Analysis Batch: 204823

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	1160	1140		ug/L		98	79 - 110	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		50 - 150						
Trifluorotoluene (Surr)	110		50 - 150						

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: MB 580-204926/5

Matrix: Water

Analysis Batch: 204926

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50		ug/L			11/04/15 15:03	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150					11/04/15 15:03	1
Trifluorotoluene (Surr)	108		50 - 150					11/04/15 15:03	1

Lab Sample ID: LCS 580-204926/6

Matrix: Water

Analysis Batch: 204926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline		1160	1120		ug/L		96	79 - 110		
Surrogate	%Recovery	LCS Qualifier	Limits							
4-Bromofluorobenzene (Surr)	94		50 - 150							
Trifluorotoluene (Surr)	109		50 - 150							

Lab Sample ID: LCSD 580-204926/7

Matrix: Water

Analysis Batch: 204926

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		1160	1140		ug/L		98	79 - 110	2	20
Surrogate	%Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	95		50 - 150							
Trifluorotoluene (Surr)	110		50 - 150							

Lab Sample ID: 580-54440-33 MS

Matrix: Water

Analysis Batch: 204926

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	ND	H	1160	1090	H	ug/L		94	50 - 150		
Surrogate	%Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		50 - 150								
Trifluorotoluene (Surr)	113		50 - 150								

Lab Sample ID: 580-54440-33 MSD

Matrix: Water

Analysis Batch: 204926

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND	H	1160	1080	H	ug/L		93	50 - 150	1	35

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: 580-54440-33 MSD

Matrix: Water

Analysis Batch: 204926

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		50 - 150
Trifluorotoluene (Surr)	111		50 - 150

Lab Sample ID: 580-54440-43 MS

Matrix: Water

Analysis Batch: 204926

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	41000	H	58100	101000	H	ug/L		103	50 - 150
Surrogate	MS	MS							
	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		50 - 150						
Trifluorotoluene (Surr)	116		50 - 150						

Lab Sample ID: 580-54440-43 MSD

Matrix: Water

Analysis Batch: 204926

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	41000	H	58100	99300	H	ug/L		100	50 - 150	2	35
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		50 - 150								
Trifluorotoluene (Surr)	116		50 - 150								

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

Lab Sample ID: MB 580-204531/1-B

Matrix: Water

Analysis Batch: 205139

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/29/15 15:43	11/07/15 23:24	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/29/15 15:43	11/07/15 23:24	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
o-Terphenyl	66		50 - 150				10/29/15 15:43	11/07/15 23:24	1

Lab Sample ID: LCS 580-204531/2-B

Matrix: Water

Analysis Batch: 205139

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1660		ug/L		83	59 - 120
Motor Oil (>C24-C36)	2010	2340		ug/L		117	71 - 140

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: LCS 580-204531/2-B

Matrix: Water

Analysis Batch: 205139

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204531

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	85		50 - 150

Lab Sample ID: LCSD 580-204531/3-B

Matrix: Water

Analysis Batch: 205139

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 204531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1720		ug/L		86	59 - 120	3	27
Motor Oil (>C24-C36)	2010	2360		ug/L		117	71 - 140	1	27

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	93		50 - 150

Lab Sample ID: 580-54440-22 MS

Matrix: Water

Analysis Batch: 205139

Client Sample ID: MW-38_20151019

Prep Type: Total/NA

Prep Batch: 204531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	270		2000	1600		ug/L		66	59 - 120
Motor Oil (>C24-C36)	ND	F2	2010	1570		ug/L		78	71 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	68		50 - 150

Lab Sample ID: 580-54440-22 MSD

Matrix: Water

Analysis Batch: 205139

Client Sample ID: MW-38_20151019

Prep Type: Total/NA

Prep Batch: 204531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	270		1990	1910		ug/L		82	59 - 120	17	27
Motor Oil (>C24-C36)	ND	F2	2000	2190	F2	ug/L		110	71 - 140	33	27

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	86		50 - 150

Lab Sample ID: 580-54440-33 MS

Matrix: Water

Analysis Batch: 205139

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

Prep Batch: 204531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	ND	F2 F1	2000	876	F1	ug/L		44	59 - 120
Motor Oil (>C24-C36)	ND		2010	1570		ug/L		78	71 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	53		50 - 150

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

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

Lab Sample ID: 580-54440-33 MSD

Matrix: Water

Analysis Batch: 205139

Client Sample ID: MW-48_20151019

Prep Type: Total/NA

Prep Batch: 204531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND	F2 F1	2000	1470	F2	ug/L		74	59 - 120	51	27
Motor Oil (>C24-C36)	ND		2000	1840		ug/L		92	71 - 140	16	27
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-Terphenyl	73		50 - 150								

Lab Sample ID: MB 580-204568/1-B

Matrix: Water

Analysis Batch: 205136

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/30/15 10:42	11/08/15 02:37	1
Motor Oil (>C24-C36)	ND		250		ug/L		10/30/15 10:42	11/08/15 02:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150				10/30/15 10:42	11/08/15 02:37	1

Lab Sample ID: LCS 580-204568/2-B

Matrix: Water

Analysis Batch: 205136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204568

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	2000	1320		ug/L		66	59 - 120		
Motor Oil (>C24-C36)	2010	1460		ug/L		73	71 - 140		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	64		50 - 150						

Lab Sample ID: LCSD 580-204568/3-B

Matrix: Water

Analysis Batch: 205136

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 204568

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1330		ug/L		67	59 - 120	1	27
Motor Oil (>C24-C36)	2010	1460		ug/L		73	71 - 140	0	27
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	67		50 - 150						

Lab Sample ID: 580-54440-37 MS

Matrix: Water

Analysis Batch: 205136

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Prep Batch: 204568

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	3400	F1	2020	4510	F1	ug/L		54	59 - 120		
Motor Oil (>C24-C36)	ND		2030	1980		ug/L		86	71 - 140		

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	80		50 - 150

Lab Sample ID: 580-54440-37 MSD

Matrix: Water

Analysis Batch: 205136

Client Sample ID: MW-52_20151019

Prep Type: Total/NA

Prep Batch: 204568

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	3400	F1	2050	4710		ug/L		63	59 - 120	4	27
Motor Oil (>C24-C36)	ND		2060	1770		ug/L		74	71 - 140	12	27

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	70		50 - 150

Lab Sample ID: MB 580-204683/1-B

Matrix: Water

Analysis Batch: 205071

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/02/15 09:40	11/06/15 20:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 09:40	11/06/15 20:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	11/02/15 09:40	11/06/15 20:41	1

Lab Sample ID: LCS 580-204683/2-B

Matrix: Water

Analysis Batch: 205071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1400		ug/L		70	59 - 120
Motor Oil (>C24-C36)	2010	1870		ug/L		93	71 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	68		50 - 150

Lab Sample ID: LCSD 580-204683/3-B

Matrix: Water

Analysis Batch: 205071

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 204683

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1490		ug/L		75	59 - 120	7	27
Motor Oil (>C24-C36)	2010	1870		ug/L		93	71 - 140	0	27

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	73		50 - 150

Lab Sample ID: 580-54440-9 MS

Matrix: Water

Analysis Batch: 205071

Client Sample ID: MW-22_20151020

Prep Type: Total/NA

Prep Batch: 204683

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	1700	F1	2000	2330	F1	ug/L		31	59 - 120
Motor Oil (>C24-C36)	ND	F1	2000	1290	F1	ug/L		60	71 - 140

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	53		50 - 150

Lab Sample ID: 580-54440-9 MSD

Matrix: Water

Analysis Batch: 205071

Client Sample ID: MW-22_20151020

Prep Type: Total/NA

Prep Batch: 204683

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	1700	F1	2010	2380	F1	ug/L		34	59 - 120	2	27
Motor Oil (>C24-C36)	ND	F1	2020	1460	F1	ug/L		68	71 - 140	12	27

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	61		50 - 150

Lab Sample ID: MB 580-204711/1-B

Matrix: Water

Analysis Batch: 205071

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204711

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/02/15 15:30	11/06/15 15:41	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/02/15 15:30	11/06/15 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	42	X	50 - 150	11/02/15 15:30	11/06/15 15:41	1

Lab Sample ID: LCS 580-204711/2-B

Matrix: Water

Analysis Batch: 205071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1450		ug/L		73	59 - 120
Motor Oil (>C24-C36)	2010	1780		ug/L		89	71 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	74		50 - 150

Lab Sample ID: LCSD 580-204711/3-B

Matrix: Water

Analysis Batch: 205071

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 204711

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1410		ug/L		71	59 - 120	3	27
Motor Oil (>C24-C36)	2010	1770		ug/L		88	71 - 140	1	27

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	74		50 - 150

Lab Sample ID: 580-54440-43 MS

Matrix: Water

Analysis Batch: 205071

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Prep Batch: 204711

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	3300	F1	1990	4170	F1	ug/L		45	59 - 120
Motor Oil (>C24-C36)	ND	F1	2000	1450	F1	ug/L		68	71 - 140

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	60		50 - 150

Lab Sample ID: 580-54440-43 MSD

Matrix: Water

Analysis Batch: 205071

Client Sample ID: MW-56_20151020

Prep Type: Total/NA

Prep Batch: 204711

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	3300	F1	1990	4450		ug/L		59	59 - 120	7	27
Motor Oil (>C24-C36)	ND	F1	2000	1850		ug/L		88	71 - 140	24	27

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	70		50 - 150

Lab Sample ID: MB 580-204749/1-A

Matrix: Water

Analysis Batch: 205038

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204749

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/03/15 09:36	11/06/15 20:17	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/06/15 20:17	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	54		50 - 150	11/03/15 09:36	11/06/15 20:17	1			

Lab Sample ID: MB 580-204749/1-B

Matrix: Water

Analysis Batch: 205038

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204749

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/03/15 09:36	11/06/15 23:20	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/03/15 09:36	11/06/15 23:20	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	57		50 - 150	11/03/15 09:36	11/06/15 23:20	1			

Lab Sample ID: LCS 580-204749/2-A

Matrix: Water

Analysis Batch: 205038

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1370		ug/L		68	59 - 120
Motor Oil (>C24-C36)	2010	1720		ug/L		85	71 - 140

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	67		50 - 150

Lab Sample ID: LCS 580-204749/2-B

Matrix: Water

Analysis Batch: 205038

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1460		ug/L		73	59 - 120
Motor Oil (>C24-C36)	2010	1880		ug/L		94	71 - 140

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	71		50 - 150

Lab Sample ID: LCSD 580-204749/3-A

Matrix: Water

Analysis Batch: 205038

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 204749

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1640		ug/L		82	59 - 120	18	27
Motor Oil (>C24-C36)	2010	1810		ug/L		90	71 - 140	5	27

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	78		50 - 150

Lab Sample ID: LCSD 580-204749/3-B

Matrix: Water

Analysis Batch: 205038

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 204749

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1750		ug/L		87	59 - 120	18	27
Motor Oil (>C24-C36)	2010	1950		ug/L		97	71 - 140	4	27

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	83		50 - 150

Lab Sample ID: MB 580-205505/1-B

Matrix: Water

Analysis Batch: 205469

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/12/15 13:39	11/12/15 20:08	1
Motor Oil (>C24-C36)	ND		250		ug/L		11/12/15 13:39	11/12/15 20:08	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
o-Terphenyl	83		50 - 150	11/12/15 13:39	11/12/15 20:08	1

Lab Sample ID: LCS 580-205505/2-B

Matrix: Water

Analysis Batch: 205469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1770		ug/L		89	59 - 120		
Motor Oil (>C24-C36)	2010	1930		ug/L		96	71 - 140		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	83		50 - 150

Lab Sample ID: LCSD 580-205505/3-B

Matrix: Water

Analysis Batch: 205469

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 205505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1890		ug/L		94	59 - 120	7	27
Motor Oil (>C24-C36)	2010	2030		ug/L		101	71 - 140	5	27

TestAmerica Seattle

QC Sample Results

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

TestAmerica Job ID: 580-54440-1

<i>Surrogate</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
<i>o-Terphenyl</i>	84		50 - 150

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Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-1_20151019

Date Collected: 10/19/15 09:15

Date Received: 10/22/15 12:30

Lab Sample ID: 580-54440-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 16:21	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 18:54	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 00:16	NMI	TAL SEA

Client Sample ID: MW-2_20151019

Date Collected: 10/19/15 09:20

Date Received: 10/22/15 12:30

Lab Sample ID: 580-54440-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 16:49	K1K	TAL SEA
Total/NA	Analysis	8260B	DL	10	204392	10/28/15 12:11	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 19:25	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 00:34	NMI	TAL SEA

Client Sample ID: MW-18_20151019

Date Collected: 10/19/15 14:45

Date Received: 10/22/15 12:30

Lab Sample ID: 580-54440-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	50	204392	10/28/15 15:17	K1K	TAL SEA
Total/NA	Analysis	8260B	DL	10	204392	10/28/15 15:43	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 19:55	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 00:52	NMI	TAL SEA

Client Sample ID: MW-19_20151020

Date Collected: 10/20/15 08:45

Date Received: 10/22/15 12:30

Lab Sample ID: 580-54440-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	50	204625	11/01/15 00:59	CJ	TAL SEA
Total/NA	Analysis	8260B	DL	10	204625	11/01/15 01:27	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 20:56	TL1	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/06/15 21:51	KZ1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-20_20151019

Lab Sample ID: 580-54440-5

Date Collected: 10/19/15 09:50

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204392	10/28/15 12:37	K1K	TAL SEA
Total/NA	Analysis	8260B		1	204392	10/28/15 13:04	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 21:26	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 01:09	NMI	TAL SEA

Client Sample ID: Dup-1_20151020

Lab Sample ID: 580-54440-6

Date Collected: 10/20/15 07:00

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	204625	10/31/15 18:42	CJ	TAL SEA
Total/NA	Analysis	8260B	DL2	50	204625	10/31/15 19:11	CJ	TAL SEA
Total/NA	Analysis	8260B	DL3	1000	204667	11/01/15 18:47	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	204823	11/04/15 00:52	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/06/15 22:09	KZ1	TAL SEA

Client Sample ID: Trip Blank-1_20151020

Lab Sample ID: 580-54440-7

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204484	10/29/15 13:21	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 17:24	TL1	TAL SEA

Client Sample ID: MW-21_20151019

Lab Sample ID: 580-54440-8

Date Collected: 10/19/15 09:55

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 18:15	K1K	TAL SEA
Total/NA	Analysis	8260B	DL	10	204392	10/28/15 13:30	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 22:26	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 01:27	NMI	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-22_20151020

Lab Sample ID: 580-54440-9

Date Collected: 10/20/15 09:35

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204486	10/29/15 18:20	K1K	TAL SEA
Total/NA	Analysis	8260B	RA	1	204625	10/31/15 14:50	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/31/15 02:59	TL1	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/06/15 22:26	KZ1	TAL SEA

Client Sample ID: MW-23_20151019

Lab Sample ID: 580-54440-10

Date Collected: 10/19/15 08:45

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 18:43	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 22:57	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 01:44	NMI	TAL SEA

Client Sample ID: MW-24_20151019

Lab Sample ID: 580-54440-11

Date Collected: 10/19/15 15:30

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204547	10/30/15 18:10	D1R	TAL SEA
Total/NA	Analysis	8260B		1	204388	10/28/15 16:07	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 23:27	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 02:19	NMI	TAL SEA

Client Sample ID: MW-25_20151019

Lab Sample ID: 580-54440-12

Date Collected: 10/19/15 13:45

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204484	10/29/15 17:20	CJ	TAL SEA
Total/NA	Analysis	8260B		1	204484	10/29/15 17:46	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 23:57	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 02:37	NMI	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-27_20151019

Lab Sample ID: 580-54440-13

Date Collected: 10/19/15 15:45

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204547	10/30/15 18:39	D1R	TAL SEA
Total/NA	Analysis	8260B		1	204388	10/28/15 16:35	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/31/15 00:27	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 02:54	NMI	TAL SEA

Client Sample ID: MW-28_20151020

Lab Sample ID: 580-54440-14

Date Collected: 10/20/15 08:00

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204547	10/30/15 19:08	D1R	TAL SEA
Total/NA	Analysis	8260B		1	204388	10/28/15 17:29	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/31/15 01:28	TL1	TAL SEA
Total/NA	Prep	3510C			205505	11/12/15 13:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			205539	11/12/15 18:55	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205469	11/12/15 21:30	NMI	TAL SEA

Client Sample ID: MW-29_20151020

Lab Sample ID: 580-54440-15

Date Collected: 10/20/15 07:55

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	204625	11/01/15 00:01	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/31/15 01:58	TL1	TAL SEA
Total/NA	Prep	3510C			205505	11/12/15 13:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			205539	11/12/15 18:55	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205469	11/12/15 21:50	NMI	TAL SEA

Client Sample ID: MW-31_20151020

Lab Sample ID: 580-54440-16

Date Collected: 10/20/15 08:15

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	50	204547	10/30/15 16:15	D1R	TAL SEA
Total/NA	Analysis	8260B	DL	10	204547	10/30/15 16:44	D1R	TAL SEA
Total/NA	Analysis	8260B	DL3	100	204547	10/30/15 21:04	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	204823	11/03/15 23:51	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/06/15 23:54	KZ1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Dup-2_20151020

Lab Sample ID: 580-54440-17

Date Collected: 10/20/15 07:05

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	50	204625	10/31/15 20:09	CJ	TAL SEA
Total/NA	Analysis	8260B	DL	10	204625	10/31/15 20:37	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	204823	11/03/15 21:20	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 00:12	KZ1	TAL SEA

Client Sample ID: Trip Blank-2_20151020

Lab Sample ID: 580-54440-18

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204484	10/29/15 11:35	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 17:54	TL1	TAL SEA

Client Sample ID: MW-35_20151015

Lab Sample ID: 580-54440-19

Date Collected: 10/20/15 08:25

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	204547	10/30/15 17:13	D1R	TAL SEA
Total/NA	Analysis	8260B	DL2	1000	204667	11/01/15 19:16	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	204823	11/03/15 22:20	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 00:47	KZ1	TAL SEA

Client Sample ID: MW-36_20151020

Lab Sample ID: 580-54440-20

Date Collected: 10/20/15 08:35

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	204625	10/31/15 17:43	CJ	TAL SEA
Total/NA	Analysis	8260B	DL3	1000	204667	11/01/15 20:14	TL1	TAL SEA
Total/NA	Analysis	8260B	DL2	100	204667	11/01/15 20:44	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	204823	11/03/15 22:50	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 01:05	KZ1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-37_20151019

Lab Sample ID: 580-54440-21

Date Collected: 10/19/15 13:15

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204294	10/27/15 13:26	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204673	11/02/15 16:51	D1R	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 03:12	NMI	TAL SEA

Client Sample ID: MW-38_20151019

Lab Sample ID: 580-54440-22

Date Collected: 10/19/15 14:20

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204388	10/28/15 14:14	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/31/15 02:28	TL1	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 03:30	NMI	TAL SEA

Client Sample ID: MW-39_20151019

Lab Sample ID: 580-54440-23

Date Collected: 10/19/15 11:00

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204294	10/27/15 15:13	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204673	11/02/15 16:20	D1R	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 04:23	NMI	TAL SEA

Client Sample ID: MW-40_20151019

Lab Sample ID: 580-54440-24

Date Collected: 10/19/15 10:20

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 15:52	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204673	11/02/15 15:50	D1R	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 04:40	NMI	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-41_20151020

Lab Sample ID: 580-54440-25

Date Collected: 10/20/15 10:15

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204547	10/30/15 19:37	D1R	TAL SEA
Total/NA	Analysis	8260B		1	204392	10/28/15 17:30	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204614	10/31/15 13:33	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 01:22	KZ1	TAL SEA

Client Sample ID: MW-42_20151020

Lab Sample ID: 580-54440-26

Date Collected: 10/20/15 10:40

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 13:57	D1R	TAL SEA
Total/NA	Analysis	8260B	DL	50	204675	11/02/15 18:47	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		25	204823	11/03/15 23:21	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 01:40	KZ1	TAL SEA

Client Sample ID: MW-43_20151020

Lab Sample ID: 580-54440-27

Date Collected: 10/20/15 11:00

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 14:26	D1R	TAL SEA
Total/NA	Analysis	8260B	DL	50	204675	11/02/15 20:13	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		25	204823	11/04/15 00:21	D1R	TAL SEA
Total/NA	Prep	3510C			205505	11/12/15 13:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			205539	11/12/15 18:55	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205469	11/12/15 22:10	NMI	TAL SEA

Client Sample ID: Dup-3_20151020

Lab Sample ID: 580-54440-28

Date Collected: 10/20/15 07:10

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204547	10/30/15 20:35	D1R	TAL SEA
Total/NA	Analysis	8260B		1	204484	10/29/15 15:07	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204614	10/31/15 15:04	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 02:15	KZ1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Trip Blank-3_20151020

Lab Sample ID: 580-54440-29

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204484	10/29/15 12:01	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204613	10/30/15 18:24	TL1	TAL SEA

Client Sample ID: MW-44_20151020

Lab Sample ID: 580-54440-30

Date Collected: 10/20/15 10:35

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204547	10/30/15 20:06	D1R	TAL SEA
Total/NA	Analysis	8260B	DL2	50	204625	10/31/15 16:45	CJ	TAL SEA
Total/NA	Analysis	8260B		1	204392	10/28/15 17:03	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204614	10/31/15 15:34	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 02:33	KZ1	TAL SEA

Client Sample ID: MW-45_20151019

Lab Sample ID: 580-54440-31

Date Collected: 10/19/15 14:15

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	204484	10/29/15 18:13	CJ	TAL SEA
Total/NA	Analysis	8260B		1	204484	10/29/15 18:38	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204614	10/31/15 16:04	D1R	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205302	11/10/15 15:03	NMI	TAL SEA

Client Sample ID: MW-47_20151019

Lab Sample ID: 580-54440-32

Date Collected: 10/19/15 13:30

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204388	10/28/15 19:51	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204673	11/02/15 17:21	D1R	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 05:33	NMI	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-48_20151019

Lab Sample ID: 580-54440-33

Date Collected: 10/19/15 13:45

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204388	10/28/15 12:49	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204926	11/05/15 00:41	D1R	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 05:51	NMI	TAL SEA

Client Sample ID: MW-49_20151019

Lab Sample ID: 580-54440-34

Date Collected: 10/19/15 10:55

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 19:12	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/01/15 22:10	D1R	TAL SEA
Total/NA	Prep	3510C			204531	10/29/15 15:43	DCC	TAL SEA
Total/NA	Cleanup	3630C			204806	11/03/15 14:33	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205139	11/08/15 06:43	NMI	TAL SEA

Client Sample ID: MW-50_20151019

Lab Sample ID: 580-54440-35

Date Collected: 10/19/15 10:30

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 15:24	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/01/15 22:40	D1R	TAL SEA
Total/NA	Prep	3510C			205505	11/12/15 13:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			205539	11/12/15 18:55	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205469	11/12/15 22:31	NMI	TAL SEA

Client Sample ID: MW-51_20151019

Lab Sample ID: 580-54440-36

Date Collected: 10/19/15 15:00

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 19:40	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/01/15 23:11	D1R	TAL SEA
Total/NA	Prep	3510C			204568	10/30/15 10:42	DCC	TAL SEA
Total/NA	Cleanup	3630C			204805	11/03/15 14:31	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205136	11/08/15 03:47	NMI	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-52_20151019

Lab Sample ID: 580-54440-37

Date Collected: 10/19/15 15:00

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	50	204388	10/28/15 20:19	TL1	TAL SEA
Total/NA	Analysis	8260B		1	204294	10/27/15 13:52	CJ	TAL SEA
Total/NA	Analysis	8260B	DL	10	204392	10/28/15 13:57	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 07:16	D1R	TAL SEA
Total/NA	Prep	3510C			204568	10/30/15 10:42	DCC	TAL SEA
Total/NA	Cleanup	3630C			204805	11/03/15 14:31	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205136	11/08/15 04:05	NMI	TAL SEA

Client Sample ID: MW-53_20151020

Lab Sample ID: 580-54440-38

Date Collected: 10/20/15 08:40

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	100	204625	11/01/15 03:51	CJ	TAL SEA
Total/NA	Analysis	8260B	DL	50	204625	11/01/15 04:20	CJ	TAL SEA
Total/NA	Analysis	8260B	DL3	1000	204667	11/01/15 19:46	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	204926	11/05/15 01:42	D1R	TAL SEA
Total/NA	Prep	3510C			204711	11/02/15 15:30	DCC	TAL SEA
Total/NA	Cleanup	3630C			204809	11/03/15 14:37	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/06/15 16:35	KZ1	TAL SEA

Client Sample ID: Dup-4_20151020

Lab Sample ID: 580-54440-39

Date Collected: 10/20/15 09:10

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204486	10/29/15 16:53	K1K	TAL SEA
Total/NA	Analysis	8260B	DL	20	204625	10/31/15 17:14	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 00:11	D1R	TAL SEA
Total/NA	Prep	3510C			204711	11/02/15 15:30	DCC	TAL SEA
Total/NA	Cleanup	3630C			204809	11/03/15 14:37	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/06/15 16:52	KZ1	TAL SEA

Client Sample ID: Trip Blank-4_20151020

Lab Sample ID: 580-54440-40

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204484	10/29/15 12:28	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/01/15 21:39	D1R	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: IW-1_20151019

Lab Sample ID: 580-54440-41

Date Collected: 10/19/15 13:05

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204294	10/27/15 15:39	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204926	11/05/15 00:11	D1R	TAL SEA
Total/NA	Prep	3510C			204568	10/30/15 10:42	DCC	TAL SEA
Total/NA	Cleanup	3630C			204805	11/03/15 14:31	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205136	11/08/15 04:58	NMI	TAL SEA

Client Sample ID: MW-55_20151019

Lab Sample ID: 580-54440-42

Date Collected: 10/19/15 15:20

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204388	10/28/15 15:39	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 06:45	D1R	TAL SEA
Total/NA	Prep	3510C			204683	11/02/15 09:40	DCC	TAL SEA
Total/NA	Cleanup	3630C			204819	11/03/15 15:35	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/07/15 02:50	KZ1	TAL SEA

Client Sample ID: MW-56_20151020

Lab Sample ID: 580-54440-43

Date Collected: 10/20/15 15:30

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	204625	11/01/15 01:57	CJ	TAL SEA
Total/NA	Analysis	8260B	DL2	100	204667	11/01/15 21:13	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	204926	11/05/15 01:11	D1R	TAL SEA
Total/NA	Prep	3510C			204711	11/02/15 15:30	DCC	TAL SEA
Total/NA	Cleanup	3630C			204809	11/03/15 14:37	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205071	11/06/15 17:10	KZ1	TAL SEA

Client Sample ID: MW-57_20151020

Lab Sample ID: 580-54440-44

Date Collected: 10/20/15 14:40

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 16:51	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 01:43	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205038	11/07/15 00:22	NMI	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-58_20151020

Lab Sample ID: 580-54440-45

Date Collected: 10/20/15 14:25

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 17:20	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 02:13	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205038	11/07/15 00:42	NMI	TAL SEA

Client Sample ID: MW-59_20151020

Lab Sample ID: 580-54440-46

Date Collected: 10/20/15 14:05

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 17:48	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 02:43	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205038	11/07/15 01:02	NMI	TAL SEA

Client Sample ID: MW-60_20151020

Lab Sample ID: 580-54440-47

Date Collected: 10/20/15 14:05

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 14:55	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204926	11/04/15 23:40	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205038	11/07/15 01:23	NMI	TAL SEA

Client Sample ID: MW-61_20151020

Lab Sample ID: 580-54440-48

Date Collected: 10/20/15 14:20

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 15:24	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 03:44	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205038	11/07/15 01:43	NMI	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: MW-62_20151020

Lab Sample ID: 580-54440-49

Date Collected: 10/20/15 14:40

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 15:52	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 04:14	D1R	TAL SEA
Total/NA	Prep	3510C			205505	11/12/15 13:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			205539	11/12/15 18:55	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205469	11/12/15 22:51	NMI	TAL SEA

Client Sample ID: MW-63_20151020

Lab Sample ID: 580-54440-50

Date Collected: 10/20/15 15:00

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204675	11/02/15 16:22	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 04:44	D1R	TAL SEA
Total/NA	Prep	3510C			205505	11/12/15 13:39	RBL	TAL SEA
Total/NA	Cleanup	3630C			205539	11/12/15 18:55	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205469	11/12/15 23:12	NMI	TAL SEA

Client Sample ID: MW-64_20151019

Lab Sample ID: 580-54440-51

Date Collected: 10/19/15 08:45

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204291	10/27/15 20:08	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 05:15	D1R	TAL SEA
Total/NA	Prep	3510C			204568	10/30/15 10:42	DCC	TAL SEA
Total/NA	Cleanup	3630C			204805	11/03/15 14:31	DCV	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205136	11/08/15 05:33	NMI	TAL SEA

Client Sample ID: Dup-5_20151020

Lab Sample ID: 580-54440-52

Date Collected: 10/20/15 09:45

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204392	10/28/15 17:56	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204672	11/02/15 05:45	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205150	11/07/15 19:01	KZ1	TAL SEA

TestAmerica Seattle

Lab Chronicle

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

TestAmerica Job ID: 580-54440-1

Client Sample ID: Trip Blank-5_20151020

Lab Sample ID: 580-54440-53

Date Collected: 10/20/15 00:01

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204484	10/29/15 12:55	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204673	11/02/15 18:51	D1R	TAL SEA

Client Sample ID: MW-66_20151020

Lab Sample ID: 580-54440-54

Date Collected: 10/20/15 09:10

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204486	10/29/15 19:47	K1K	TAL SEA
Total/NA	Analysis	8260B	DL	20	204625	11/01/15 04:48	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	204673	11/02/15 19:22	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205038	11/07/15 03:26	NMI	TAL SEA

Client Sample ID: MW-65_20151020

Lab Sample ID: 580-54440-55

Date Collected: 10/20/15 09:10

Matrix: Water

Date Received: 10/22/15 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204486	10/29/15 20:16	K1K	TAL SEA
Total/NA	Analysis	8260B	DL2	50	204625	11/01/15 05:17	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		10	204823	11/03/15 20:49	D1R	TAL SEA
Total/NA	Prep	3510C			204749	11/03/15 09:36	DCC	TAL SEA
Total/NA	Cleanup	3630C			204790	11/03/15 13:34	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	205150	11/07/15 19:21	KZ1	TAL SEA

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 580-54440-1

Laboratory: TestAmerica Seattle

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-17
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-16
US Fish & Wildlife	Federal		LE058448-0	02-28-16
USDA	Federal		P330-14-00126	04-08-17
Washington	State Program	10	C553	02-17-16

Sample Summary

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

TestAmerica Job ID: 580-54440-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-54440-1	MW-1_20151019	Water	10/19/15 09:15	10/22/15 12:30
580-54440-2	MW-2_20151019	Water	10/19/15 09:20	10/22/15 12:30
580-54440-3	MW-18_20151019	Water	10/19/15 14:45	10/22/15 12:30
580-54440-4	MW-19_20151020	Water	10/20/15 08:45	10/22/15 12:30
580-54440-5	MW-20_20151019	Water	10/19/15 09:50	10/22/15 12:30
580-54440-6	Dup-1_20151020	Water	10/20/15 07:00	10/22/15 12:30
580-54440-7	Trip Blank-1_20151020	Water	10/20/15 00:01	10/22/15 12:30
580-54440-8	MW-21_20151019	Water	10/19/15 09:55	10/22/15 12:30
580-54440-9	MW-22_20151020	Water	10/20/15 09:35	10/22/15 12:30
580-54440-10	MW-23_20151019	Water	10/19/15 08:45	10/22/15 12:30
580-54440-11	MW-24_20151019	Water	10/19/15 15:30	10/22/15 12:30
580-54440-12	MW-25_20151019	Water	10/19/15 13:45	10/22/15 12:30
580-54440-13	MW-27_20151019	Water	10/19/15 15:45	10/22/15 12:30
580-54440-14	MW-28_20151020	Water	10/20/15 08:00	10/22/15 12:30
580-54440-15	MW-29_20151020	Water	10/20/15 07:55	10/22/15 12:30
580-54440-16	MW-31_20151020	Water	10/20/15 08:15	10/22/15 12:30
580-54440-17	Dup-2_20151020	Water	10/20/15 07:05	10/22/15 12:30
580-54440-18	Trip Blank-2_20151020	Water	10/20/15 00:01	10/22/15 12:30
580-54440-19	MW-35_20151015	Water	10/20/15 08:25	10/22/15 12:30
580-54440-20	MW-36_20151020	Water	10/20/15 08:35	10/22/15 12:30
580-54440-21	MW-37_20151019	Water	10/19/15 13:15	10/22/15 12:30
580-54440-22	MW-38_20151019	Water	10/19/15 14:20	10/22/15 12:30
580-54440-23	MW-39_20151019	Water	10/19/15 11:00	10/22/15 12:30
580-54440-24	MW-40_20151019	Water	10/19/15 10:20	10/22/15 12:30
580-54440-25	MW-41_20151020	Water	10/20/15 10:15	10/22/15 12:30
580-54440-26	MW-42_20151020	Water	10/20/15 10:40	10/22/15 12:30
580-54440-27	MW-43_20151020	Water	10/20/15 11:00	10/22/15 12:30
580-54440-28	Dup-3_20151020	Water	10/20/15 07:10	10/22/15 12:30
580-54440-29	Trip Blank-3_20151020	Water	10/20/15 00:01	10/22/15 12:30
580-54440-30	MW-44_20151020	Water	10/20/15 10:35	10/22/15 12:30
580-54440-31	MW-45_20151019	Water	10/19/15 14:15	10/22/15 12:30
580-54440-32	MW-47_20151019	Water	10/19/15 13:30	10/22/15 12:30
580-54440-33	MW-48_20151019	Water	10/19/15 13:45	10/22/15 12:30
580-54440-34	MW-49_20151019	Water	10/19/15 10:55	10/22/15 12:30
580-54440-35	MW-50_20151019	Water	10/19/15 10:30	10/22/15 12:30
580-54440-36	MW-51_20151019	Water	10/19/15 15:00	10/22/15 12:30
580-54440-37	MW-52_20151019	Water	10/19/15 15:00	10/22/15 12:30
580-54440-38	MW-53_20151020	Water	10/20/15 08:40	10/22/15 12:30
580-54440-39	Dup-4_20151020	Water	10/20/15 09:10	10/22/15 12:30
580-54440-40	Trip Blank-4_20151020	Water	10/20/15 00:01	10/22/15 12:30
580-54440-41	IW-1_20151019	Water	10/19/15 13:05	10/22/15 12:30
580-54440-42	MW-55_20151019	Water	10/19/15 15:20	10/22/15 12:30
580-54440-43	MW-56_20151020	Water	10/20/15 15:30	10/22/15 12:30
580-54440-44	MW-57_20151020	Water	10/20/15 14:40	10/22/15 12:30
580-54440-45	MW-58_20151020	Water	10/20/15 14:25	10/22/15 12:30
580-54440-46	MW-59_20151020	Water	10/20/15 14:05	10/22/15 12:30
580-54440-47	MW-60_20151020	Water	10/20/15 14:05	10/22/15 12:30
580-54440-48	MW-61_20151020	Water	10/20/15 14:20	10/22/15 12:30
580-54440-49	MW-62_20151020	Water	10/20/15 14:40	10/22/15 12:30
580-54440-50	MW-63_20151020	Water	10/20/15 15:00	10/22/15 12:30
580-54440-51	MW-64_20151019	Water	10/19/15 08:45	10/22/15 12:30
580-54440-52	Dup-5_20151020	Water	10/20/15 09:45	10/22/15 12:30
580-54440-53	Trip Blank-5_20151020	Water	10/20/15 00:01	10/22/15 12:30

TestAmerica Seattle

Sample Summary

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

TestAmerica Job ID: 580-54440-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-54440-54	MW-66_20151020	Water	10/20/15 09:10	10/22/15 12:30
580-54440-55	MW-65_20151020	Water	10/20/15 09:10	10/22/15 12:30

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Laboratory Management Program LaMP Chain of Custody Record

Lab Name:	Test America	BP/ARC Facility/ Address:	16292 Overnell Road	Consultant/Contractor:	Antea Group
Lab Address:	Tacoma, WA	City, State, ZIP Code:	Mt Vernon WA 98421	Consultant/Contractor Project No:	WAALL64152
Lab PM:	Robert Greer	Lead Regulatory Agency:	WA Department of Ecology	Address:	4006 148th Avenue NE, Redmond, WA 98052
Lab Phone:	253.922.2310	California Global ID No.:	NA	Consultant/Contractor PM:	Megan Richard
Lab Shipping Acct:	NA	Enfos Proposal No:	008WC - 00002 / W0290704	Phone:	P: 425.498.7711 F: 425.869.1892
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU OOC-RM	Email EDD To:	Megan.Richard@anteagroup.com
Other Info:		Stage:	6_OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To:	BP/ARC X Contractor
BP/ARC EBM:	Paul Supple	Matrix	No. Containers / Preservative	Requested Analyses	Report Type & QC Level
EBM Phone:	925-275-3801				Standard Y
EBM Email:	paul.supple@bp.com				Full Data Package
Lab No.	Sample Description	Date	Time		Comments
-6	Dup-1_20151020	10.20.15	0700		
-7	Trip Blank-1_20151020	10.20.15	0000		
-8	MM-21_20151019	10.19.15	0955		
-9	MM-22_20151020	10.20.15	0935		
-10	MM-23_20151019	10.19.15	0845		
-11	MM-24_20151019	10.19.15	1530		
-12	MM-25_20151019	10.19.15	1345		
-13	MM-27_20151019	10.19.15	1545		
-14	MM-28_20151020	10.20.15	0800		
-15	MM-29_20151020	10.20.15	0755		
Sampler's Name: KD/JG/GB/JP		Relinquished By / Affiliation		Date	Time
Sampler's Company: Antea Group		JG/GB/JP/ANT		10.22.15	1200
Shipment Method: COURIER		Ship Date: 10.22.15			
Shipment Tracking No:					

Special Instructions:

THIS LINE - LAB USE ONLY:	Custody Seals In Place: Yes / No	Temp Blank: Yes / No	Cooler Temp on Receipt: _____ °F/C	Trip Blank: Yes / No	MS/MSD Sample Submitted: Yes / No
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Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yy): Standard Rush TAT: Yes No
 BP/ARC Facility No: Allen Station Lab Work Order Number: 54440

Lab Name:	Test America	BP/ARC Facility Address:	16292 Overell Road	Consultant/Contractor:	Antea Group
Lab Address:	Tacoma, WA	City, State, ZIP Code:	WA 98421	Consultant/Contractor Project No:	WALL 6A152
Lab PM:	Robert Greer	Lead Regulatory Agency:	WA Department of Ecology	Address:	4006 148th Avenue NE, Redmond, WA 98052
Lab Phone:	253.922.2310	California Global ID No.:	NA	Consultant/Contractor PM:	Megan Richard
Lab Shipping Acct:	NA	Enfos Proposal No:	008WC-0002/WL 2510704	Phone:	P: 425.498.7711 F: 425.869.1892
Lab Bottle Order No:	NA	Accounting Mode:	Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>	Email EDD To:	Megan.Richard@anteargroup.com
Other Info:		Stage:	6_OWM&M/Other (60) Activity: OWM&M Spend (81)	Invoice To:	BP/ARC <u>X</u> Contractor <u> </u>
BP/ARC EBM:	Paul Supple	Matrix	No. Containers / Preservative	Requested Analyses	Report Type & QC Level
EBM Phone:	925-275-3801	Soil / Solid	Total Number of Containers	8260BTEX	Standard <u>Y</u>
EBM Email:	paul.supple@bp.com	Water / Liquid	Unpreserved	NWTPH-Gx	Full Data Package <u> </u>
		Air / Vapor	H ₂ SO ₄	NWTPH-DX (with silica gel)	
			HNO ₃		
			HCl		
			Methanol		
			NaOH zn Acetate		
Lab No.	Sample Description	Date	Time		Comments
-16	MMW-31_20151020	10.20.15	0815	X X X X	TR
	MMW-32			X X X X	
-17	DUP-2_20151020	10.20.15	0705	X X X X	
-18	Tip Blank-2_20151020	10.20.15	0800	X X X X	TR
	MMW-34			X X X X	
-19	MMW-35_20151020	10.20.15	0825	X X X X	
-20	MMW-36_20151020	10.20.15	0835	X X X X	
-21	MMW-37_20151019	10.19.15	1815	X X X X	
-22	MMW-38_20151019	10.19.15	1420	X X X X	MS/MSD
-23	MMW-39_20151019	10.19.15	1100	X X X X	
Sampler's Name:		KD/JG/23/172		Relinquished By / Affiliation	
Sampler's Company:		Antea Group		Date	10.22.15 1230
Shipment Method:		Container		Accepted By / Affiliation	MS/MSD
Shipment Tracking No:		Ship Date: 10.22.15		Date	10.22.15 1230
Special Instructions:					
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No					
Temp Blank: Yes / No					
Cooler Temp on Receipt: °F/C					
Trip Blank: Yes / No					
MS/MSD Sample Submitted: Yes / No					



Laboratory Management Program LaMP Chain of Custody Record

Page 5 of 7

BP/ARC Project Name: Olympic Pipe Line Company
BP/ARC Facility No: Allen Station
Reg Due Date (mm/dd/yyyy): Standard
Rush TAT: Yes 54440 No

Lab Work Order Number: 54440

Lab Name:	Test America	BP/ARC Facility Address:	16292 Overnell Road	Consultant/Contractor:	Antea Group													
Lab Address:	Tacoma, WA	City, State, ZIP Code:	WA 98421	Consultant/Contractor Project No:	WAA124152													
Lab PM:	Robert Greer	Lead Regulatory Agency:	WA Department of Ecology	Address:	4006 148th Avenue NE, Redmond, WA 98052													
Lab Phone:	253.922.2310	California Global ID No.:	NA	Consultant/Contractor PM:	Megan Richard													
Lab Shipping Acct:	NA	Entos Proposal No:	008VC-0002 / WA290704	Phone:	P: 425.498.7711 F: 425.869.1892													
Lab Bottle Order No:	NA	Accounting Mode:	Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>	Email EDD To:	Megan.Richard@anteagroup.com													
Other Info:		Stage:	6_OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To:	BP/ARC <u>X</u> Contractor <u> </u>													
BP/ARC EBM:	Paul Supple	Matrix	No. Containers / Preservative	Requested Analyses	Report Type & QC Level													
EBM Phone:	925-275-3801																	
EBM Email:	paul.supple@bp.com																	
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 (with silica gel)	Comments	
-34	MW-49_20151019	10-19-15	1055	X	X	X	8							X	X	X		
-35	MW-50_20151019	10-19-15	1030	X	X	X	8							X	X	X		
-36	MW-51_20151019	10-19-15	1500	X	X	X	8							X	X	X		
-37	MW-52_20151019	10-19-15	1500	X	X	X	24							X	X	X		MSMSD
-38	MW-53_20151020	10-20-15	0840	X	X	X	8							X	X	X		
-39	DUP-4_20151020	10-20-15	0910	X	X	X	8							X	X	X		TR
-40	Tripblank-4_20151020	10-20-15	0700	X	X	X	6							X	X	X		
-41	MW-1_20151019	10-19-15	1805	X	X	X	8							X	X	X		
-42	MW-55_20151019	10-19-15	1520	X	X	X	8							X	X	X		
Sampler's Name:		KD/LK/126/172		Relinquished By / Affiliation		Date		Time		Accepted By / Affiliation		Date		Time				
Sampler's Company:		Antea Group		J. J. J. / J. J. J.		10-22-15		1230		J. J. J. / J. J. J.		10-22-15		1230				
Shipment Method:		Conveyor		Ship Date:		10-22-15												
Shipment Tracking No:																		

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No

Temp Blank: Yes / No

Cooler Temp on Receipt: °F/C

Trip Blank: Yes / No

MS/MSD Sample Submitted: Yes / No



Laboratory Management Program LaMP Chain of Custody Record

Page 6 of 7

BP/ARC Project Name: Olympic Pipe Line Company Req Due Date (mm/dd/yyyy): Standard Rush TAT: Yes 54440 No
BP/ARC Facility No: Alien Station Lab Work Order Number:

Lab Name:	Test America	BP/ARC Facility Address:	16292 Overnell Road	Consultant/Contractor:	Antea Group														
Lab Address:	Tacoma, WA	City, State, ZIP Code:	WA 98421	Consultant/Contractor Project No:	WAALL64152														
Lab PM:	Robert Greer	Lead Regulatory Agency:	WA Department of Ecology	Address:	4006 148th Avenue NE, Redmond, WA 98052														
Lab Phone:	253.922.2310	California Global ID No.:	NA	Consultant/Contractor PM:	Megan Richard														
Lab Shipping Acct:	NA	Entos Proposal No:	006NC-0002 / WE290704	Phone:	P: 425.498.7711 F: 425.869.1892														
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU OOC-RM	Email EDD To:	Megan.Richard@anteagroup.com														
Other Info:		Stage:	6 OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To:	BP/ARC X Contractor														
BP/ARC EBM: Paul Supple		Matrix	No. Containers / Preservative	Requested Analyses	Report Type & QC Level														
EBM Phone:	925-275-3801				Standard Y														
EBM Email:	paul.supple@bp.com				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 (with silica gel)	Comments		
-43	MW-56_2015120	10-20-15	1530	X	X	X	24							X	X	X			
-44	MW-57_20151020	10-20-15	1440	X	X	X	8							X	X	X			
-45	MW-58_20151020	10-20-15	1425	X	X	X	8							X	X	X			
-46	MW-59_20151020	10-20-15	1405	X	X	X	8							X	X	X			
-47	MW-60_20151020	10-20-15	1405	X	X	X	8							X	X	X			
-48	MW-61_20151020	10-20-15	1420	X	X	X	8							X	X	X			
-49	MW-62_20151020	10-20-15	1440	X	X	X	8							X	X	X			
-50	MW-63_20151020	10-20-15	1500	X	X	X	8							X	X	X			
-51	MW-64_20151019	10-19-15	0845	X	X	X	8							X	X	X			
-52	DUP-5_20151020	10-20-15	0945	X	X	X	8							X	X	X			
Sampler's Name:		KD/16128/12		Relinquished By / Affiliation		Date		Time		Accepted By / Affiliation		Date		Time					
Sampler's Company:		Antea Group		JJB/16128/12		10-22-15		1200		JJB/16128/12		10-22-15		1230					
Shipment Method:		Covered		Ship Date:		10-22-15													
Shipment Tracking No:																			

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No

Temp Blank: Yes / No

Cooler Temp on Receipt: °F/C

Trip Blank: Yes / No

MS/MSD Sample Submitted: Yes / No

Lab Name:	Test America	BP/ARC Facility Address:	16292 Overnell Road	Consultant/Contractor:	Antea Group		
Lab Address:	Tacoma, WA	City, State, ZIP Code:	Mt. Vernon WA 98421	Consultant/Contractor Project No:	WAALLA-0152		
Lab PM:	Robert Greer	Lead Regulatory Agency:	WA Department of Ecology	Address:	4006 148th Avenue NE, Redmond, WA 98052		
Lab Phone:	253.922.2310	California Global ID No.:	NA	Consultant/Contractor P.M.	Megan Richard		
Lab Shipping Acct#:	NA	Enfos Proposal No:	008VC-0002/WL296704	Phone:	P: 425.498.7711 F: 425.869.1892		
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU OOC-RM	Email EDD To:	Megan.Richard@anteagroup.com		
Other Info:		Stage:	6_OM&M/Other (60) Activity: OM&M Spend (81)	Invoice To:	BP/ARC X Contractor		
BP/ARC EBM:	Paul Supple	Matrix	No. Containers / Preservative	Requested Analyses	Report Type & QC Level		
EBM Phone:	925-275-3801				Standard Y Full Data Package		
EBM Email:	paul.supple@bd.com				Comments		
Lab No.	Sample Description	Date	Time				
-53	TRIP BLANK-5_20151020	10.20.15	0800	X	X		
-54	MW-66_20151020	10.20.15	0910	X	X		
-55	MW-65-20151020	10.20.15	0910	X	X		
Sampler's Name:	KD/LG/JCB/me	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Antea Group	JCB/AG	10.22.15	1230	JCB/AG	10.22.15	1230
Shipment Method:	Coveria	Ship Date:	10.22.15				
Shipment Tracking No:							
Special Instructions: THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No							

54490

TB A2 Cooler — Cor 0.6^u Unc 0.7^u
Cooler Dsc Lg Blue/wh @Lab 1500
Wet/Packs Packing Bubble
w/o

TB A2 Cooler — Cor 2.5^u Unc 2.6^u
Cooler Dsc Lg Blue/wh @Lab 1500
Wet/Packs Packing Bubble
w/o

TB — Cooler IRI Cor 2.2^u Unc 2.6^u
Cooler Dsc Lg Blue/wh @Lab 1500
Wet/Packs Packing Bubble
w/o

TB A2 Cooler — Cor 0.6^u Unc 0.7^u
Cooler Dsc Lg Blue/wh @Lab 1500
Wet/Packs Packing Bubble
w/o

TB A2 Cooler — Cor 0.6^u Unc 0.7^u
Cooler Dsc Lg Blue/wh @Lab 1500
Wet/Packs Packing Bubble
w/o

TB A2 Cooler — Cor 1.8^u Unc 1.9^u
Cooler Dsc Lg Blue/wh @Lab 1500
Wet/Packs Packing Bubble
w/o

TB A2 Cooler — Cor 1.6^u Unc 1.7^u
Cooler Dsc Lg Blue/wh @Lab 1500
Wet/Packs Packing Bubble
w/o

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-54440-1

Login Number: 54440

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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	