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May 19, 2020

Ronald Timm Toxics Cleanup Program Dept. of Ecology 3190 160th Ave SE Bellevue, WA 98008-5452

RE: Final 2019 Site-Wide Groundwater Monitoring Report Transmittal Consent Decree No. 07-2-33672-9 SEA: Site Name: BNSF Former Maintenance and Fueling Facility Site Address: Skykomish, WA Facility/Site ID No.: 2104 Cleanup Site ID No.: 34

Dear Mr. Timm:

Enclosed is the Final 2019 Site-Wide Groundwater Monitoring Report for Ecology's records.

Sincerely,

C Dh

Shane C. DeGross Manager Environmental Remediation, BNSF Railway

cc: Ms. Amy Essig Desai, Farallon Consulting



Washington Issaquah | Bellingham | Seattle

> Oregon Portland | Baker City

California Oakland | Folsom | Irvine

2019 SITE-WIDE GROUNDWATER MONITORING REPORT

BNSF FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON CONSENT DECREE NO. 07-2-33672-9 SEA

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May 19, 2020

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EXECUTIVE SUMMARY

Quarterly groundwater monitoring was conducted in 2019 at the BNSF Railway Company (BNSF) Former Maintenance and Fueling Facility in Skykomish, Washington. Groundwater samples collected during the monitoring events were analyzed for total petroleum hydrocarbons as dieseland as oil-range organics (herein referred to collectively as NWTPH-Dx) using Washington State Department of Ecology (Ecology) Method NWTPH-Dx.

Groundwater flow direction in 2019 generally was consistent with previous years. South (i.e., upgradient) of the hydraulic control and containment (HCC) system barrier wall, the groundwater flow direction is predominantly toward the west-northwest. North (i.e., down-gradient) of the HCC system barrier wall, groundwater flow direction is predominantly toward the west.

Light nonaqueous-phase liquid (LNAPL) was observed in monitoring wells and piezometers upgradient of and adjacent to the HCC system barrier wall, between the West Gate and Center Gate consistent with previous years. Measured LNAPL thicknesses ranged from a light trace (i.e., less than 0.01 foot) to 3.1 feet. A heavy trace of LNAPL was observed in recovery well RW-09 during the December 2019 groundwater monitoring event. LNAPL was not observed at nearby locations, including piezometer PZ-1, located east of recovery well RW-09, and the east, central, and west oil-water separator chambers (north and south) of the East Gate, indicating an isolated occurrence. Over the life cycle of the data record, measured LNAPL thicknesses have exhibited an overall decreasing or stable trend, with minor variability. LNAPL measurements at the site are subject to uncertainty due to the viscous nature of the LNAPL. Piezometers and recovery wells will continue to be monitored for LNAPL.

The site-specific NWTPH-Dx groundwater cleanup level of 208 micrograms per liter ($\mu g/l$) and absence of sheen (CUL) is applicable at the groundwater conditional point of compliance, defined as the point where groundwater enters the Skykomish River. Compliance with the CUL is assessed using monitoring wells in the Levee Zone adjacent to the Skykomish River. Reported NWTPH-Dx concentrations in the groundwater samples collected from Levee Zone monitoring wells were less than the CUL.

The site-specific NWTPH-Dx groundwater remediation level of 477 μ g/l and absence of sheen (RL) is applicable from the BNSF railyard boundary to the groundwater conditional point of compliance. Reported NWTPH-Dx concentrations in the groundwater samples collected from monitoring wells north of the BNSF railyard and outside the Levee Zone were less than the RL, with the exception of select samples collected from HCC system monitoring well 2A-W-41.

Reported NWTPH-Dx concentrations in well 2A-W-41 have been variable since December 2013. Well 2A-W-41 is down-gradient of monitoring well GW-3, which is immediately north and down-gradient of the Center Gate, where substantial biofouling by iron bacteria has been observed. Quarterly groundwater samples collected from wells 2A-W-41 and GW-3 in 2019 were analyzed by Ecology Method NWTPH-Dx both with and without a silica gel cleanup preparation process. The March, June, September, and December 2019 samples collected from well 2A-W-41 and

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analyzed without silica gel cleanup had reported concentrations of 690, 510, 261, and 590 μ g/l, respectively. Reported NWTPH-Dx concentrations in all of the silica gel-prepared samples collected from well 2A-W-41 were less than the RL. The results of the analyses performed with and without silica gel cleanup suggest that the results from the non-silica-gel–prepared samples are biased high due to biogenic or petroleum metabolite interferences.

During the summer of 2018, the hot water flushing (HWF) remediation system that operated at the Skykomish School in 2016 and 2017 was decommissioned, and the associated sheet pile barrier wall was removed. Former HWF system recovery well RW-10 and schoolyard monitoring wells 5-W-51, 5-W-55, and 5-W-56 were retained to evaluate post-HWF treatment groundwater quality (former recovery well RW-10 was retained for gauging only, to monitor for the presence of LNAPL). Reported NWTPH-Dx concentrations in the groundwater samples collected from wells 5-W-51 and 5-W-56 in 2019 ranged from 740 to 2,310 µg/l. A heavy trace of LNAPL was observed in recovery well RW-10 in June 2019 and a light trace of LNAPL was observed in December 2019. LNAPL or sheen were not observed in any of Levee Zone monitoring wells situated down-gradient of RW-10 in 2019. According to the Consent Decree between BNSF and Ecology, if NWTPH-Dx concentrations exceeding the RL are reported in groundwater samples collected from the schoolyard monitoring wells or down-gradient of the Skykomish School property following HWF treatment, no additional measures are required to meet the RL on or immediately down-gradient of the Skykomish School property. Contingency treatment methods, which could potentially include air-sparging, enhanced bioremediation, or similar in-place treatment measures, will be employed if NWTPH-Dx concentrations exceeding the CUL are reported in groundwater samples at the conditional point of compliance during future groundwater monitoring events.

In general, with the exceptions noted above, groundwater monitoring data indicate that LNAPL thicknesses and NWTPH-Dx concentrations in groundwater remained stable or decreased in 2019. Reported NWTPH-Dx concentrations in the groundwater samples collected from the Levee Zone monitoring wells did not exceed the CUL.

Quarterly groundwater monitoring will continue in 2020 in accordance with the Consent Decree. Additionally, the Consent Decree requires that a Long-Term Monitoring Plan be submitted following termination of the HWF remediation system operation at the Skykomish School. The draft Long-Term Monitoring Plan was submitted on November 26, 2019 and is pending Ecology review. Groundwater samples collected from monitoring wells GW-3 and 2A-W-41 will continue to be analyzed both with and without the silica gel cleanup preparation process to gain additional perspective on likely biogenic or petroleum metabolite interferences affecting the analytical results from these wells.

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1.0 INTRODUCTION

This 2019 Site-Wide Groundwater Monitoring Report was prepared on behalf of BNSF Railway Company (BNSF) and describes the groundwater monitoring activities conducted in 2019 at the BNSF Former Maintenance and Fueling Facility in Skykomish, Washington (herein referred to as the Site) (Figure 1). Groundwater monitoring is being conducted as part of the Site cleanup action in accordance with Consent Decree No. 07-2-33672-9 SEA between the Washington State Department of Ecology (Ecology) and BNSF (Consent Decree). Groundwater monitoring is conducted quarterly in accordance with the Consent Decree, the 2007 Cleanup Action Plan (Ecology 2007a) (2007 CAP), and the 2010 Groundwater Monitoring Plan (AECOM 2010b) (2010 GWMP).

1.1 GROUNDWATER MONITORING OBJECTIVES

The objectives of the Site groundwater monitoring program are to:

- Monitor any changes in contaminant distribution pending completion of the cleanup action;
- Provide monitoring data to assess the effects of completed and ongoing remedial actions on groundwater quality; and
- Provide liquid-level gauging data to assess hydraulic gradients and the extent of light nonaqueous-phase liquid (LNAPL).

1.2 CLEANUP LEVELS AND REMEDIATION LEVELS

The Site-specific groundwater cleanup level established in the 2007 CAP for total petroleum hydrocarbon concentrations, defined as the sum of total petroleum hydrocarbons as diesel-range organics (DRO) and oil-range organics (ORO) analyzed using Ecology Method NWTPH-Dx (herein referred to collectively as NWTPH-Dx), is 208 micrograms per liter (μ g/l) and absence of sheen (CUL). The CUL is applicable at the groundwater conditional point of compliance (CPOC), defined as the surface water boundary where groundwater enters the Skykomish River and Former Maloney Creek. The basis for the CUL is protection of sediments from being adversely impacted by groundwater. Compliance with the CUL currently is assessed using monitoring wells in the Levee Zone adjacent to the Skykomish River (Figure 1). Based on historical groundwater elevation and hydraulic gradient data, groundwater does not flow toward or discharge to Former Maloney Creek.

The Site-specific groundwater remediation level for NWTPH-Dx is 477 μ g/l and absence of sheen (RL). The RL is applicable from the BNSF railyard boundary to the groundwater CPOC, and is used to assess groundwater quality in areas of the Site north of the BNSF railyard boundary and outside the Levee Zone (Figure 1). The groundwater RL is protective of drinking water.

According to the Consent Decree, there may be isolated areas outside of the BNSF railyard boundary where the RL cannot be achieved. Ecology will not require the RL be met beneath and



down-gradient of such isolated areas (e.g., the Skykomish School property), but the CUL must still be met at the CPOC in the Levee Zone (Figure 1). Contingency treatment methods will be employed at the groundwater CPOC if a sheen, or NWTPH-Dx concentrations exceeding 208 μ g/l, are reported in groundwater samples at the CPOC.

1.3 SITE DESCRIPTION

The Site includes BNSF property and public and private properties in the Town of Skykomish in King County, Washington, and encompasses an area of approximately 40 acres (Figure 1). The Site is bounded by the Skykomish River to the north, the Town of Skykomish city limits to the east, Old Cascade Highway to the south, and Former Maloney Creek to the west. Railroad Avenue separates the BNSF railyard from the main commercial district of the Town of Skykomish (Figure 1). Additional Site history and background information is presented in the Consent Decree, 2007 CAP, and Supplemental Remedial Investigation Volume 1 (The RETEC Group, Inc. 2002b).

1.4 REPORT ORGANIZATION

The remainder of this report is organized into the following sections:

- Section 2, Groundwater Monitoring Well Network, describes the current monitoring well network.
- Section 3, Sampling, Analysis, and Reporting, describes the groundwater sampling methods, laboratory analysis and reporting procedures, and data management and validation protocols used.
- Section 4, Results and Discussion, describes the results from the groundwater monitoring, including groundwater levels and flow directions, field parameters, and groundwater analytical results.
- Section 5, Conclusions, provides conclusions based on the groundwater monitoring results.
- Section 6, Bibliography, provides a list of the documents used in preparing this report.



2.0 GROUNDWATER MONITORING WELL NETWORK

The network of wells used for groundwater monitoring was established in the 2010 GWMP (Figure 1). In addition, the 2010 GWMP included monitoring locations within the hydraulic control and containment (HCC) system that were used to assess the performance of the HCC system (i.e., treatment of groundwater as it flowed north through the four gates within the barrier wall). These monitoring locations included sentry wells, piezometers, and HCC system gate vaults (Figure 2). The dates of the groundwater monitoring events conducted in 2019 are presented in Table 1. During this reporting period, no modifications were made to the groundwater monitoring program. Tables 2 and 3 provide additional details regarding the sampling and liquid-level gauging frequencies for the locations included in the groundwater monitoring program.



3.0 SAMPLING, ANALYSIS, AND REPORTING

This section summarizes the sampling methods, laboratory analysis and reporting procedures, and data management and validation protocols for the groundwater monitoring program. Groundwater samples collected in 2019 were analyzed by TestAmerica Laboratories, Inc. of Tacoma, Washington. The groundwater analytical results were independently validated by Sayler Data Solutions, Inc. of Kirkland, Washington.

3.1 SAMPLING METHODS

Liquid-level gauging and groundwater sampling were conducted in accordance with the 2010 GWMP. Groundwater samples were collected using low-flow sampling techniques and peristaltic pumps. The samples were collected in laboratory-supplied containers after groundwater field parameters stabilized during well purging, with the exception of the HCC system sentry wells, which were sampled after 15 minutes of well purging. The filled sample containers were placed on ice in a cooler and delivered to the analytical laboratory under standard chain-of-custody protocols.

3.2 LABORATORY ANALYSIS AND REPORTING PROCEDURES

Groundwater samples were analyzed by Ecology Method NWTPH-Dx. Groundwater samples collected from monitoring wells GW-3 and 2A-W-41 also were analyzed by Ecology Method NWTPH-Dx with a silica gel cleanup preparation process to assess whether potential biogenic substances and/or petroleum metabolites may be affecting the analytical results from these wells.

3.3 DATA MANAGEMENT AND VALIDATION PROTOCOLS

The laboratory electronic data deliverables were directly imported into an electronic database that contains existing Site data. A quality control check was performed on the imported data to ensure that they were accurately uploaded. Laboratory analytical reports are provided in Appendix A.

Sayler Data Solutions, Inc. independently validated the groundwater analytical data to assess whether the data met the quality control/validation standards described in the 2010 GWMP. The data validation procedures were based on U.S. Environmental Protection Agency (2008) Guidelines for Organic Methods Data Review; data evaluation metrics included precision, accuracy, method compliance, and completeness of the data set. The data validation results indicate that the groundwater analytical data are suitable for the intended use of assessing Site groundwater quality. Data validation reports are provided in Appendix B.



4.0 **RESULTS AND DISCUSSION**

The results from the 2019 Site-wide groundwater monitoring program are summarized in this section. Groundwater sampling frequency, groundwater elevation and LNAPL thickness, and groundwater-quality parameters measured during the groundwater monitoring events are summarized in Tables 3, 4, and 5, respectively. Table 6 provides groundwater analytical results for the DRO and ORO fractions and calculated total NWTPH-Dx concentrations. Groundwater elevation contour maps for the groundwater monitoring events are presented on Figures 3 through 6. Figures 7 through 10 show the NWTPH-Dx results for each groundwater monitoring event and the estimated areal extent of LNAPL. NWTPH-Dx trend plots are provided in Appendix C.

4.1 GROUNDWATER LEVELS AND GRADIENT DIRECTIONS

As noted on Figures 3 through 6, the calculated groundwater elevations at the HCC system barrier wall gate vaults and select wells and piezometers were not used for interpreting groundwater gradient and direction. Groundwater elevation data from these wells are not included because the gate vaults were not designed to provide representative water-level measurements. Groundwater elevations at some wells and piezometers were inconsistent with groundwater elevation data from nearby locations (likely due to local geological heterogeneities) and therefore were not considered representative. In other cases, it was not possible to graphically depict local details of groundwater elevation contours because the spatial scale of the groundwater elevation contour maps is too small.

Seasonal groundwater-level fluctuations of 2.57 to 6.11 feet occurred in wells and piezometers on the southern (i.e., up-gradient) side of the HCC system barrier wall. Seasonal groundwater-level fluctuations in wells and piezometers on the northern (i.e., down-gradient) side of the HCC system barrier wall were smaller, ranging from 0.06 to 4.62 feet. The HCC system barrier wall restricts groundwater flow, causing groundwater mounding on the southern side of the barrier wall, and accentuating a westerly component to groundwater flow near the wall. Groundwater elevation differentials across the central portion of the HCC system barrier wall ranged from 2.1 feet in September 2019 to 7.3 feet in March 2019, as measured in piezometer pairs adjacent to the barrier wall (i.e., one piezometer on either side of the wall).

Estimated hydraulic gradients in 2019 generally were consistent with previous years. South of the HCC system barrier wall, the gradient direction was predominantly toward the west-northwest. North of the HCC system barrier wall, the gradient direction was predominantly toward the west, subparallel to the Skykomish River flow direction. Estimated gradient magnitudes on the southern side of the HCC system barrier wall were on the order of 0.01 to 0.02 foot per foot. Estimated gradient magnitudes on the order of 0.01 foot per foot.



4.2 FIELD PARAMETERS

Field parameters measured during well purging included temperature, pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), turbidity, and specific conductivity. Table 5 presents the stabilized field parameter values recorded at the wells sampled in 2019.

Groundwater temperatures varied seasonally, ranging from 2.0 degrees Celsius (°C) in well 2A-W-10 in March 2019 to 15.8 °C in well 5-W-56 in September 2019. Groundwater pH values were generally consistent with previous years, ranging from 5.29 to 7.20. Measured DO concentrations also were generally consistent with previous years, ranging from 0.16 milligram per liter (mg/l) in well GW-2 in December 2019 to 12.84 mg/l in well MW-38R in March 2019. In general, monitoring wells with no reported detections of petroleum hydrocarbons exhibited higher DO values (average of 5.14 mg/l) than wells with reported detections (average of 3.27 mg/l), indicating that the petroleum hydrocarbons in Site groundwater are biodegrading.

ORP values were generally consistent with previous years, ranging from -194 millivolts in well 5-W-51 in December 2019 to 320 millivolts in well 2B-W-4 in June 2019. Of the 122 ORP values measured in 2019, 112 were positive. The predominantly positive ORP values and DO concentrations exceeding 1 mg/l indicate that conditions are favorable for aerobic biodegradation of petroleum hydrocarbons.

4.3 GROUNDWATER ANALYTICAL RESULTS

The NWTPH-Dx analytical results are reported as DRO and ORO fractions, which are summed to give the total NWTPH-Dx concentration. If both DRO and ORO fractions were detected, the total NWTPH-Dx concentration was calculated as the sum of the reported DRO and ORO concentrations. If either the DRO or ORO fraction was not detected, half the method detection limit (MDL) was used for the non-detected fraction in the NWTPH-Dx calculation.

The groundwater analytical results are summarized below. Table 6 shows groundwater analytical results for the DRO and ORO fractions and calculated total NWTPH-Dx concentrations. Figures 7 through 10 show the NWTPH-Dx results for each groundwater monitoring event and the estimated areal extent of LNAPL. NWTPH-Dx trend plots are provided in Appendix C.

4.3.1 Levee Zone Monitoring Wells

Monitoring wells 5-W-14 and 5-W-16 through 5-W-19 were sampled quarterly. Reported NWTPH-Dx concentrations in the groundwater samples collected from the Levee Zone monitoring wells were less than the CUL. LNAPL or sheen was not observed in any of the Levee Zone monitoring wells.

4.3.2 Schoolyard Monitoring Wells

Monitoring wells 5-W-51, 5-W-55, and 5-W-56 were sampled quarterly, and recovery well RW-10 was gauged for the presence of LNAPL quarterly. Reported NWTPH-Dx concentrations in the



groundwater samples collected from wells 5-W-51 and 5-W-56 ranged from 740 to 2,310 μ g/l. Reported NWTPH-Dx concentrations in the groundwater samples collected from well 5-W-55 ranged from less than the MDL (i.e., not detected) to 230 μ g/l (Table 6; Figures 7 through 10).

A heavy trace of LNAPL was observed in recovery well RW-10 during the June 2019 groundwater monitoring event and a light trace of LNAPL was observed in RW-10 during the December 2019 groundwater monitoring event. LNAPL or sheen was not observed in any of the Levee Zone monitoring wells situated down-gradient of RW-10 during any of the monitoring events.

4.3.3 Hydraulic Control and Containment System Sentry and Monitoring Wells

The sentry wells are sampled semiannually. The HCC system monitoring wells are gauged and sampled quarterly. The piezometers, recovery wells, and barrier wall gate oil-water separator chambers are gauged quarterly for the presence or absence of LNAPL or sheen and are not sampled.

Reported NWTPH-Dx concentrations in the groundwater samples collected from sentry wells ranged from less than the MDL (i.e., not detected) to 370 μ g/l, with two exceptions:

- NWTPH-Dx was reported at a concentration of 620 µg/l in the September 2019 groundwater sample collected from up-gradient sentry well S2-BU in the east vault of the West Gate (Table 6; Figure 9). NWTPH-Dx was not reported at concentrations exceeding the MDL in the September 2019 groundwater sample collected from down-gradient sentry well S2-BD in the east vault of the West Gate.
- NWTPH-Dx was reported at a concentration of 701 μ g/l in the September 2019 groundwater sample collected from up-gradient sentry well S4-BU in the central valut of the East Gate (Table 6; Figure 9). NWTPH-Dx was not reported at concentrations exceeding the MDL in the September 2019 groundwater sample collected from down-gradient sentry well S4-BD in the central valut of the East Gate.

The two wells noted above are sentry wells located in the up-gradient granular activated carbon (GAC)/pea gravel chamber within their respective vaults. All up-gradient sentry wells are paired with a down-gradient sentry well located in the down-gradient GAC/pea gravel chamber in the same vault to evaluate the effectiveness of groundwater treatment. NWTPH-Dx was not reported at concentrations exceeding the MDL in the sentry wells situated down-gradient of S2-BU and S4-BU in September 2019, confirming the effectiveness of the GAC in treating groundwater.

Heavy traces of LNAPL were observed in the east vault oil-water separator south chamber of the West Gate in March and December 2019, an LNAPL thickness of 0.02 feet was measured in this chamber in September 2019, and a light trace of LNAPL was observed in this chamber in June 2019 (location WG-EV-South Chamber) (Table 4). A heavy trace of LNAPL was observed in the east vault oil-water separator north chamber of the West Gate in September 2019 and light traces were observed in March and December 2019 (location WG-EV-North Chamber) (Table 4). This LNAPL may be a source of elevated NWTPH-Dx concentrations in the east vault of the West Gate. However, the reported NWTPH-Dx concentrations in all but one groundwater sample



collected from down-gradient sentry well S2-BD in the east vault of the West Gate from 2009 through 2019 were less than 200 μ g/l; most results were less than 100 μ g/l (Appendix C).

Monitoring wells EW-1, EW-2A, 5-W-43, 2A-W-41, 1B-W-23, 2A-W-42, and GW-1 through GW-4 were sampled quarterly. Monitoring well 2A-W-40 was sampled in March, September, and December 2019. Reported NWTPH-Dx concentrations in the groundwater samples collected from these wells were less than the RL, with the exception of the March, June, and December 2019 samples collected from well 2A-W-41, which had reported concentrations of 690, 510, and 590 μ g/l, respectively (Table 6; Figures 7, 8, and 10). LNAPL or sheen was not observed in any of these monitoring wells.

Reported NWTPH-Dx concentrations in well 2A-W-41 have been variable since December 2013 as shown in the trend plot provided in Appendix C. Well 2A-W-41 is west and down-gradient of well GW-3 and the Center Gate. To evaluate whether the variable NWTPH-Dx concentrations reported in wells GW-3 and 2A-W-41 since June 2014 and December 2013, respectively, may be the result of interference from biogenic substances or petroleum metabolites, groundwater samples collected from each of these wells in 2019 were analyzed by Ecology Method NWTPH-Dx both with and without a silica gel cleanup preparation process. Reported NWTPH-Dx concentrations in the silica gel-prepared samples were less than the RL, and significantly less than the reported NWTPH-Dx concentrations in all eight associated non-silica-gel–prepared samples. The results of the analyses performed with and without a silica gel cleanup prepared samples are biased high due to biogenic or petroleum metabolite interferences.

4.3.4 Former Air Sparge Area Monitoring Wells

Monitoring wells 1B-W-3, 1C-W-7, and 1C-W-8 were sampled quarterly. Reported NWTPH-Dx concentrations in groundwater samples collected from these wells were less than the RL. LNAPL or sheen was not observed in the former air sparge area monitoring wells.

4.3.5 Former Maloney Creek Zone Monitoring Wells

Monitoring wells MW-3, MW-4, 2A-W-9, 2A-W-10, and 2B-W-4 were sampled quarterly. Reported NWTPH-Dx concentrations in groundwater samples collected from these wells ranged from 109 to 600 μ g/l, with the exception of the March, June, and December 2019 samples collected from well MW-3, which had reported concentrations of 2,620, 1,070, and 2,570 μ g/l, respectively (Table 6; Figures 7, 8, and 10). Historically (between November 2000 and September 2017), reported NWTPH-Dx detections in monitoring well MW-3 fluctuated over a range of 41 to 930 μ g/l, whereas since December 2017, reported NWTPH-Dx detections in well MW-3 fluctuated over a larger range of 108.5 to 3,400 μ g/l with six of the eight values exceeding 1,000 μ g/l.

A sulfur-like odor has been noted during purging of monitoring well MW-3, indicating the possible presence of biogenic material (i.e., non-petroleum-based organics) in groundwater. Analytical interference from biogenic material can bias the reported NWTPH-Dx concentrations high. As discussed in the 2018 Site-Wide Groundwater Monitoring Report (Farallon 2019b), groundwater



samples collected from well MW-3 in December 2017 and September 2018 were analyzed by NWTPH-Dx both with and without a silica gel cleanup preparation process. The reported NWTPH-Dx concentrations in the silica gel-treated samples (58 μ g/l and below the MDL) were significantly less than the reported concentrations in the non-silica-gel-treated sample (3,400 and 109 μ g/l, respectively), suggesting biogenic interference. Monitoring well MW-3 is in a former wetland area; photographs of remedial excavations completed near this well in 2011 show that woody debris was present in the excavation sidewalls (AECOM 2012d). Organic matter in soil near well MW-3 may be a source of interfering biogenic material in groundwater.

Groundwater was not encountered in monitoring well MW-3 during the September 2019 groundwater monitoring event. During the December 2019 groundwater monitoring event, woody debris was observed on the end of the water-level indicator while performing liquid level gauging in monitoring well MW-3. In addition, total depth of the well was measured at approximately 10.5 feet below ground surface. During previous groundwater monitoring events, the total depth of well MW-3 was generally measured at approximately 20 feet below ground surface. These observations indicate that monitoring well MW-3 is damaged. On February 17, 2020, a down-well camera was used to evaluate the condition of monitoring well MW-3. The results confirmed that roots have damaged and infiltrated the well casing. The presence of roots and reported NWTPH-Dx concentrations both with and without a silica gel cleanup preparation process are evidence that biogenic interferences are biasing the analytical results high in groundwater samples collected from monitoring well MW-3.

LNAPL or sheen was not observed in any of the Former Maloney Creek Zone monitoring wells.

4.3.6 Site-Wide Monitoring Wells

Monitoring wells 1A-W-4, MW-16, MW-38R, 1B-W-2, 1C-W-3, and 1C-W-4 were sampled semiannually in March and September 2019. Monitoring well 1C-W-1 was sampled quarterly. Reported NWTPH-Dx concentrations in the groundwater samples collected from wells north of the railyard were less than the RL. LNAPL or sheen was not observed in any of the Site-wide monitoring wells.



5.0 CONCLUSIONS

In general, with the exceptions noted below, the groundwater monitoring data indicate that LNAPL thicknesses and NWTPH-Dx concentrations in groundwater remained stable or decreased in 2019. Reported NWTPH-Dx concentrations in groundwater samples collected from the Levee Zone monitoring wells near the Skykomish River did not exceed the CUL.

LNAPL was observed in monitoring wells and piezometers up-gradient of and adjacent to the HCC system barrier wall, between the West Gate and Center Gate, consistent with previous years. Measured LNAPL thicknesses ranged from a light trace (i.e., less than 0.01 foot) to 3.1 feet. A heavy trace of LNAPL was observed in recovery well RW-09 during the December 2019 groundwater monitoring event. LNAPL was not observed at nearby locations, including piezometer PZ-1, located east of recovery well RW-09, and the east, central, and west oil-water separator chambers (north and south) of the East Gate, indicating an isolated occurrence. Over the life cycle of the data record, measured LNAPL thicknesses have exhibited an overall decreasing or stable trend, with minor variability. LNAPL measurements at the Site are subject to uncertainty due to the viscous nature of the LNAPL. Piezometers and recovery wells will continue to be monitored for LNAPL.

Reported NWTPH-Dx concentrations in well 2A-W-41 have been variable since December 2013. Well 2A-W-41 is down-gradient of monitoring well GW-3, which is immediately north and down-gradient of the Center Gate, where substantial biofouling by iron bacteria has been observed. Reported NWTPH-Dx concentrations in the silica-gel-prepared samples collected from wells 2A-W-41 and GW-3 were less than the reported concentration in the non-silica-gel-prepared samples. The biofouling observations noted proximate to wells 2A-W-41 and GW-3, and results of the analyses performed with and without silica gel cleanup, suggest that the results from the non-silica-gel-prepared samples are biased high due to biogenic or petroleum metabolite interferences. Groundwater samples collected from these wells will continue to be analyzed both with and without silica gel cleanup to gain additional perspective on likely biogenic or petroleum metabolite interferences affecting the analytical results.

Quarterly groundwater monitoring will continue in 2020 in accordance with the Consent Decree. Additionally, the Consent Decree requires that a Long-Term Monitoring Plan be submitted following termination of the HWF remediation system operation at the Skykomish School. The draft Long-Term Monitoring Plan was submitted on November 26, 2019 and is pending Ecology review.



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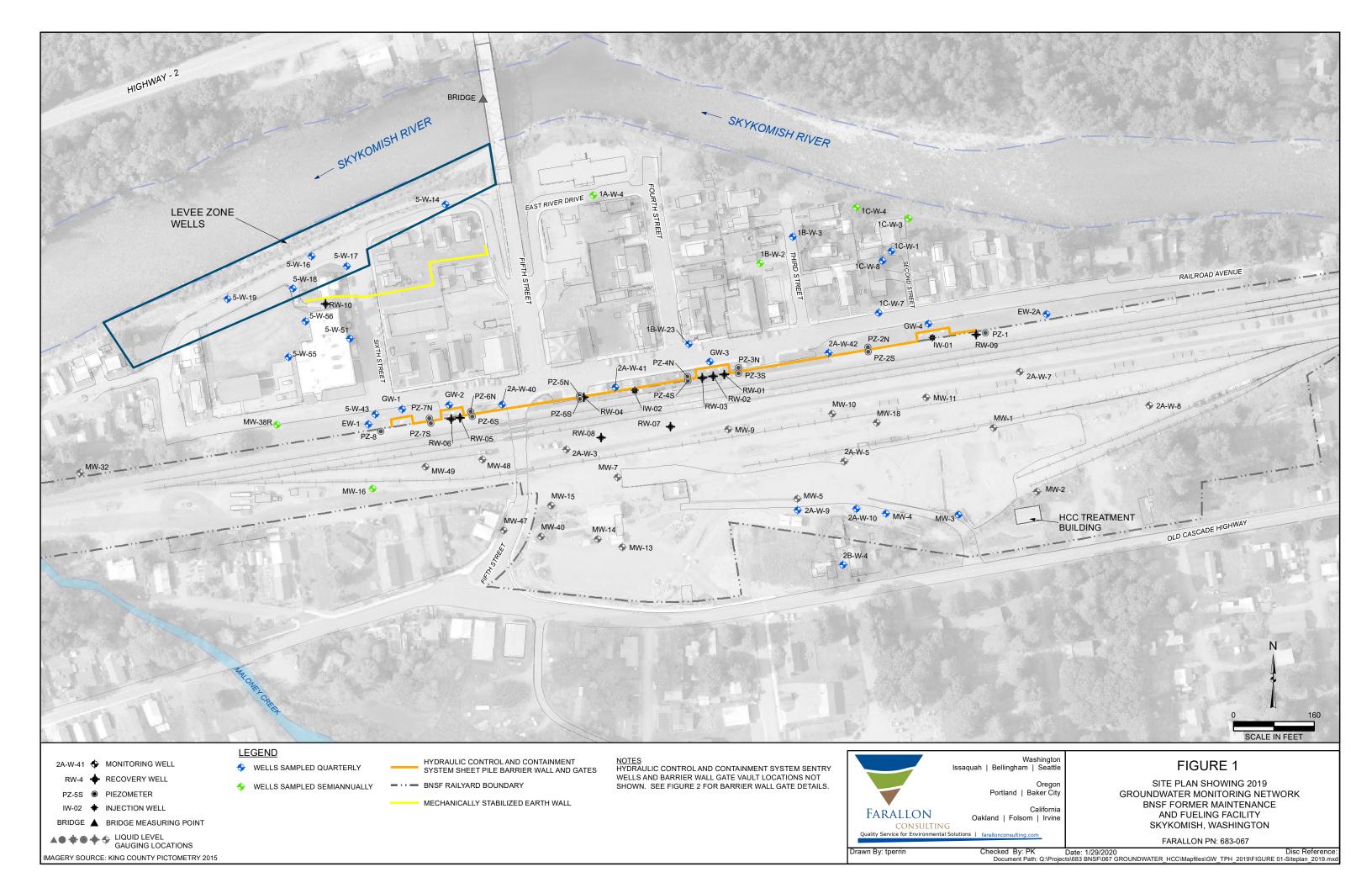


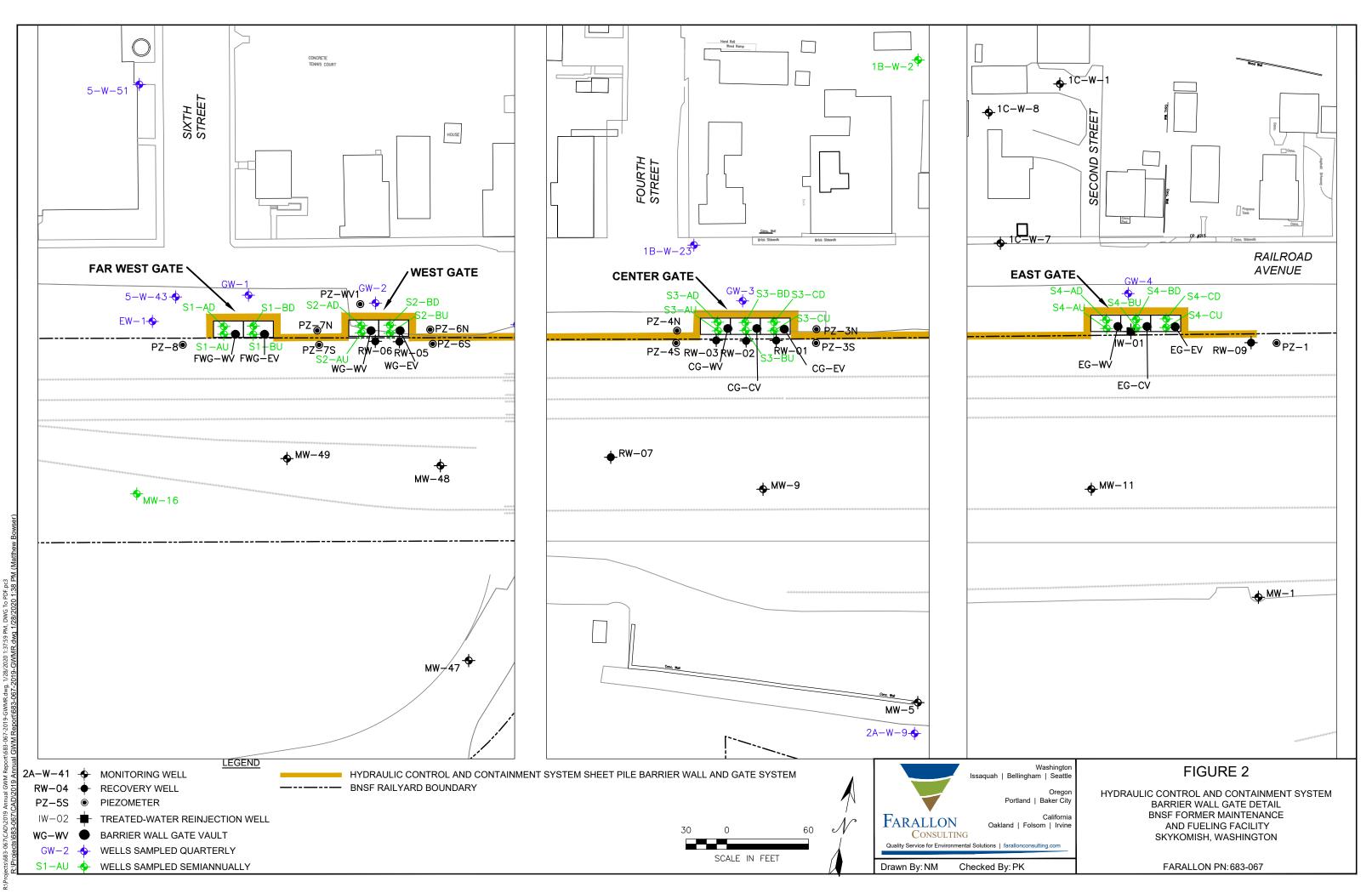
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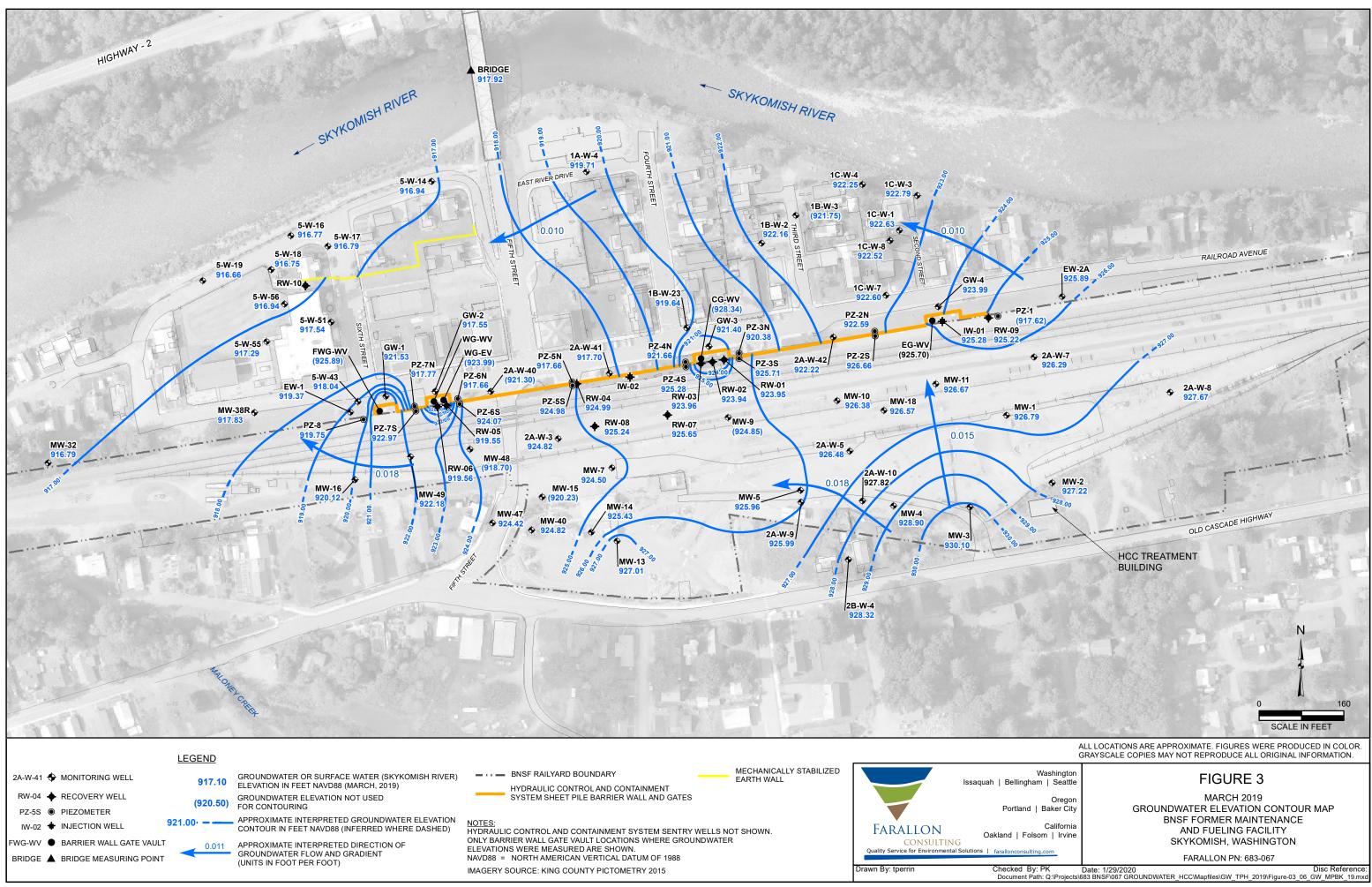
FIGURES

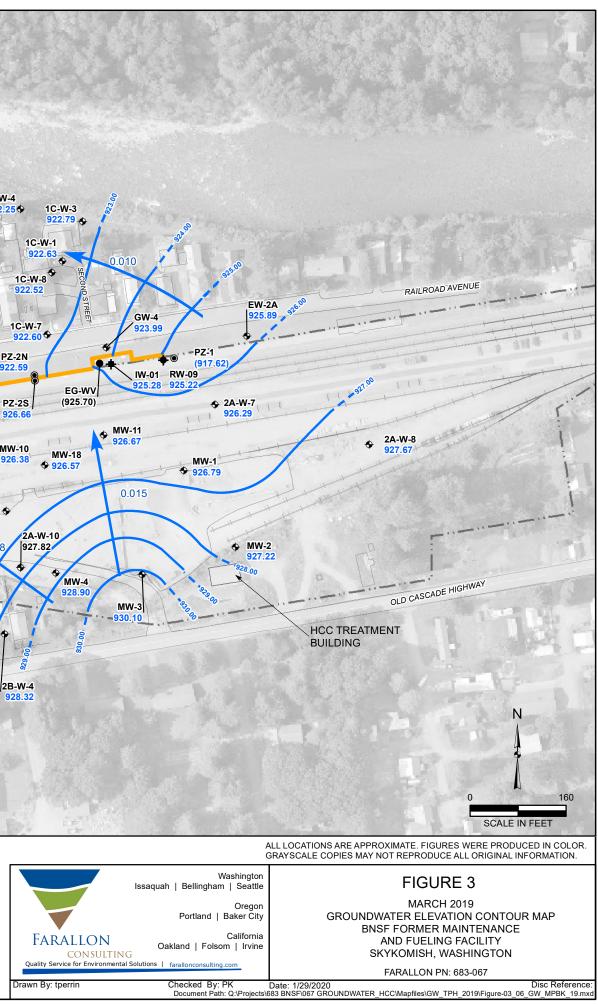
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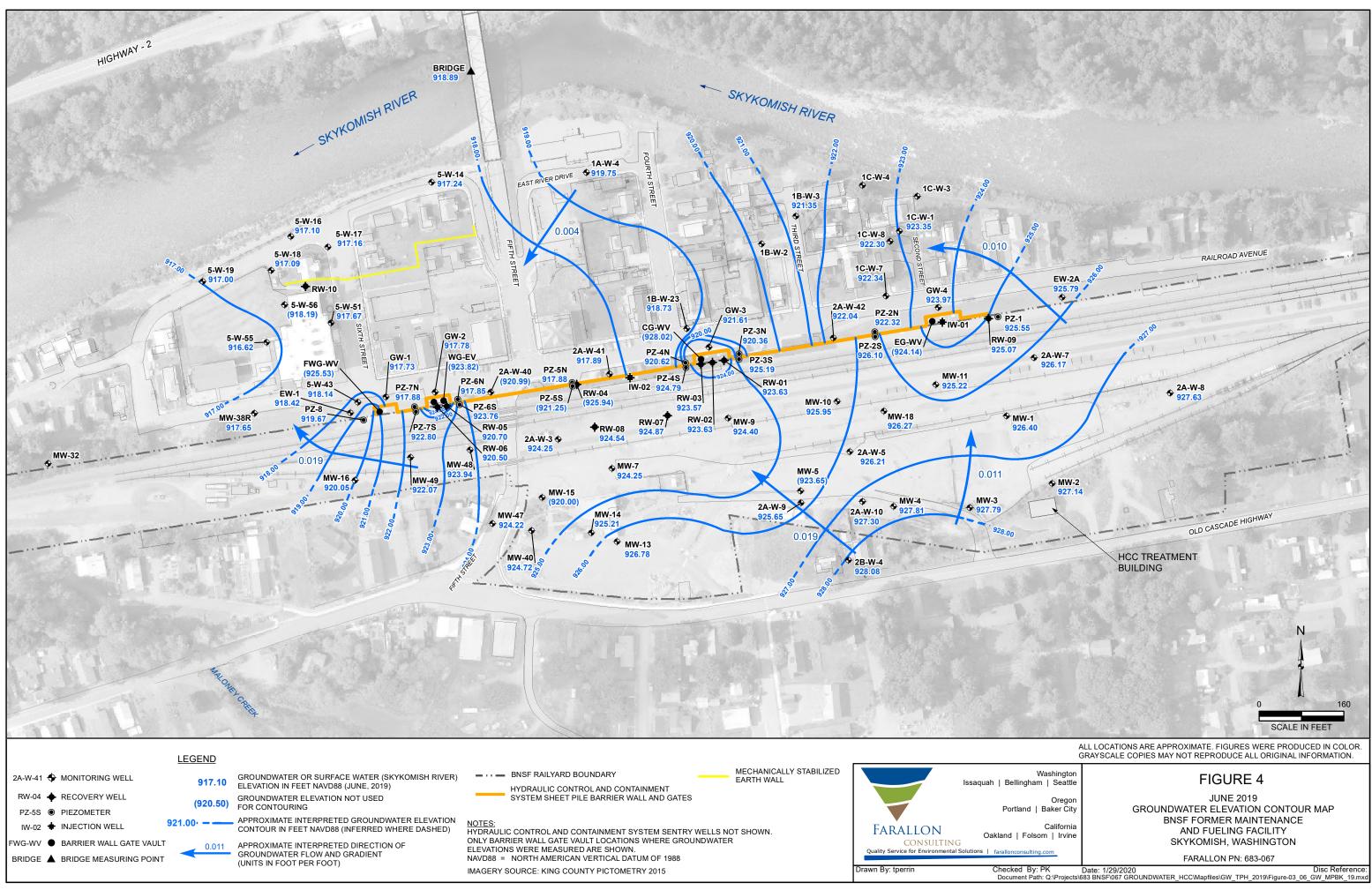
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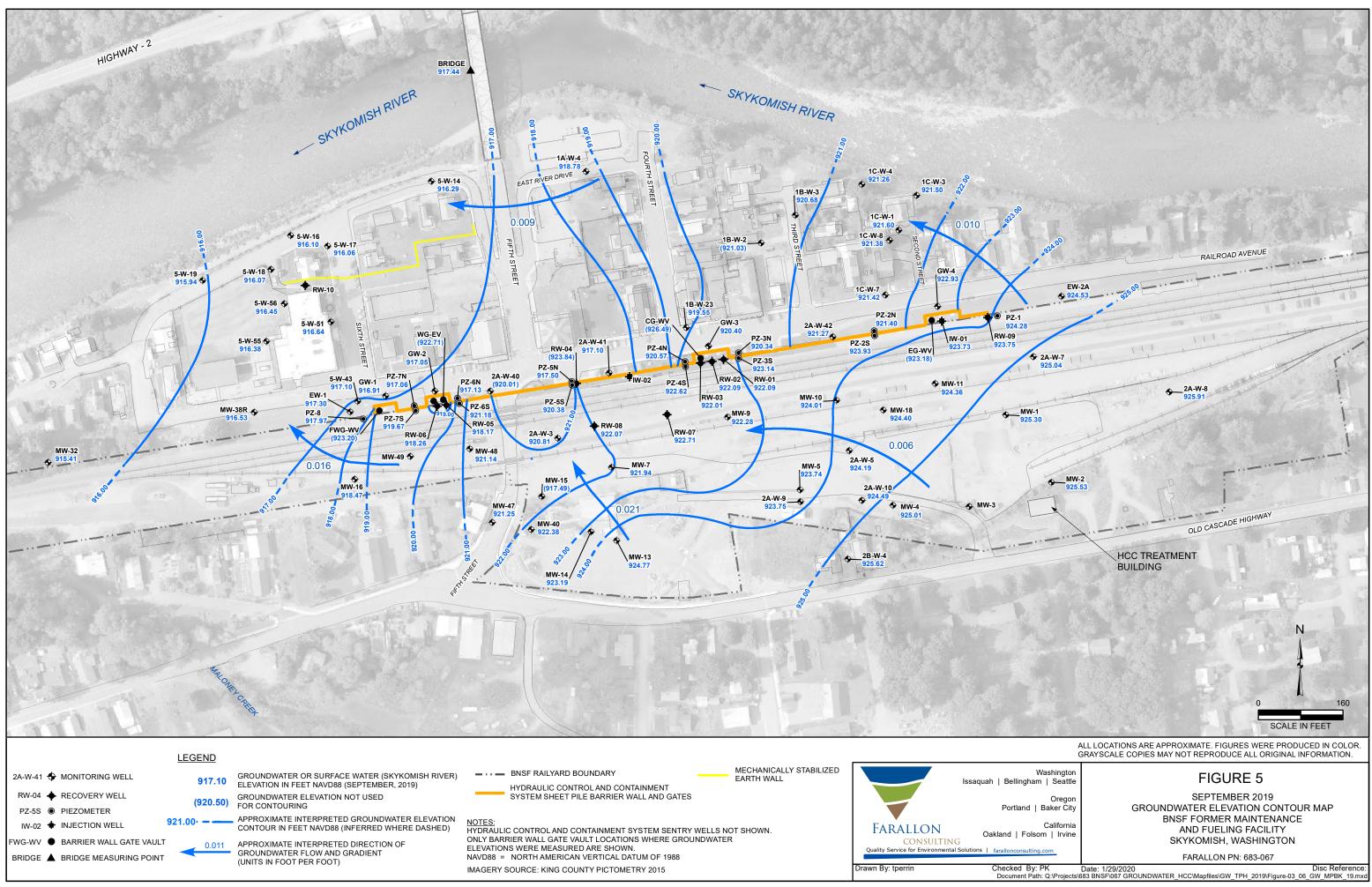


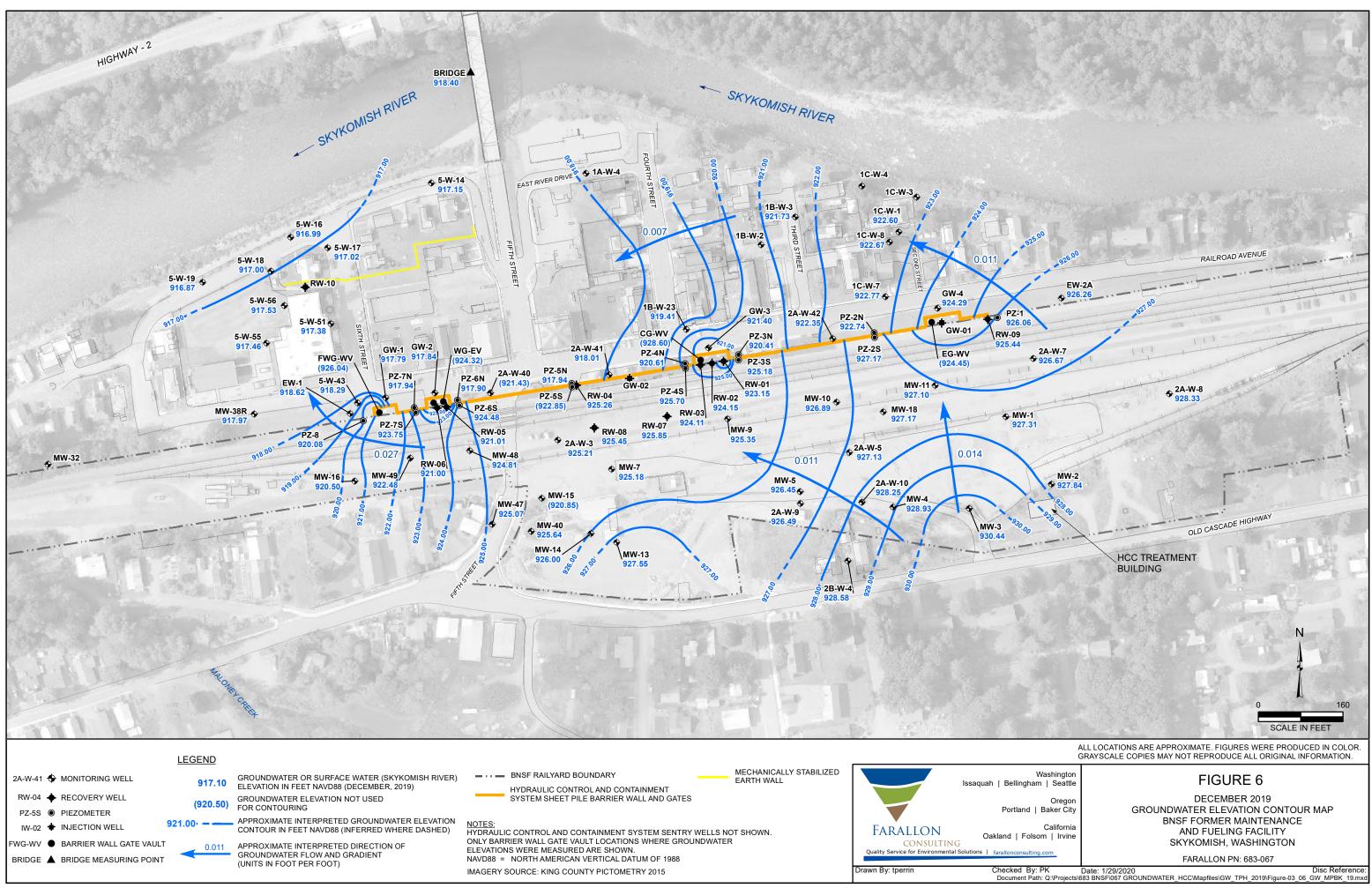


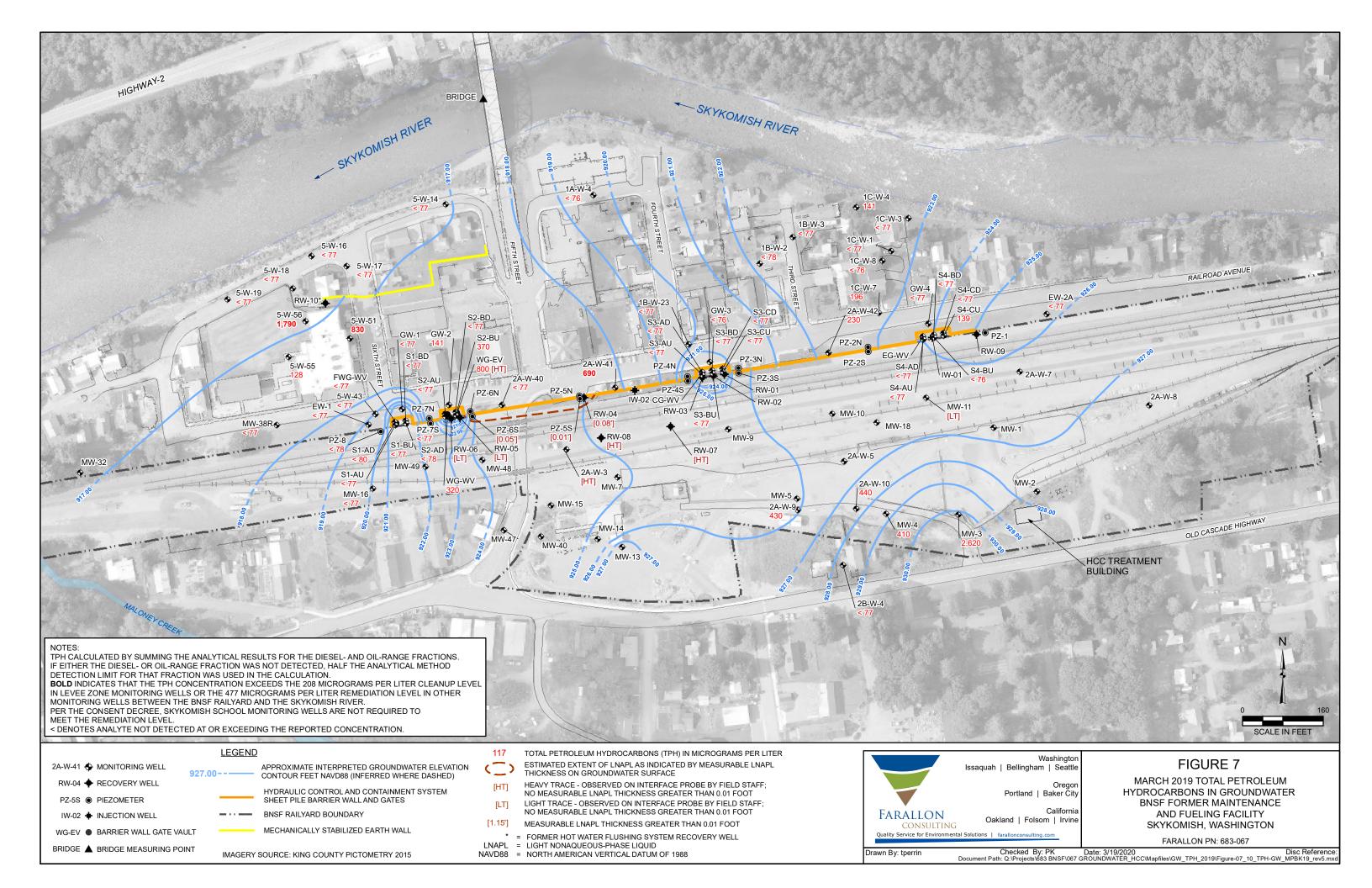


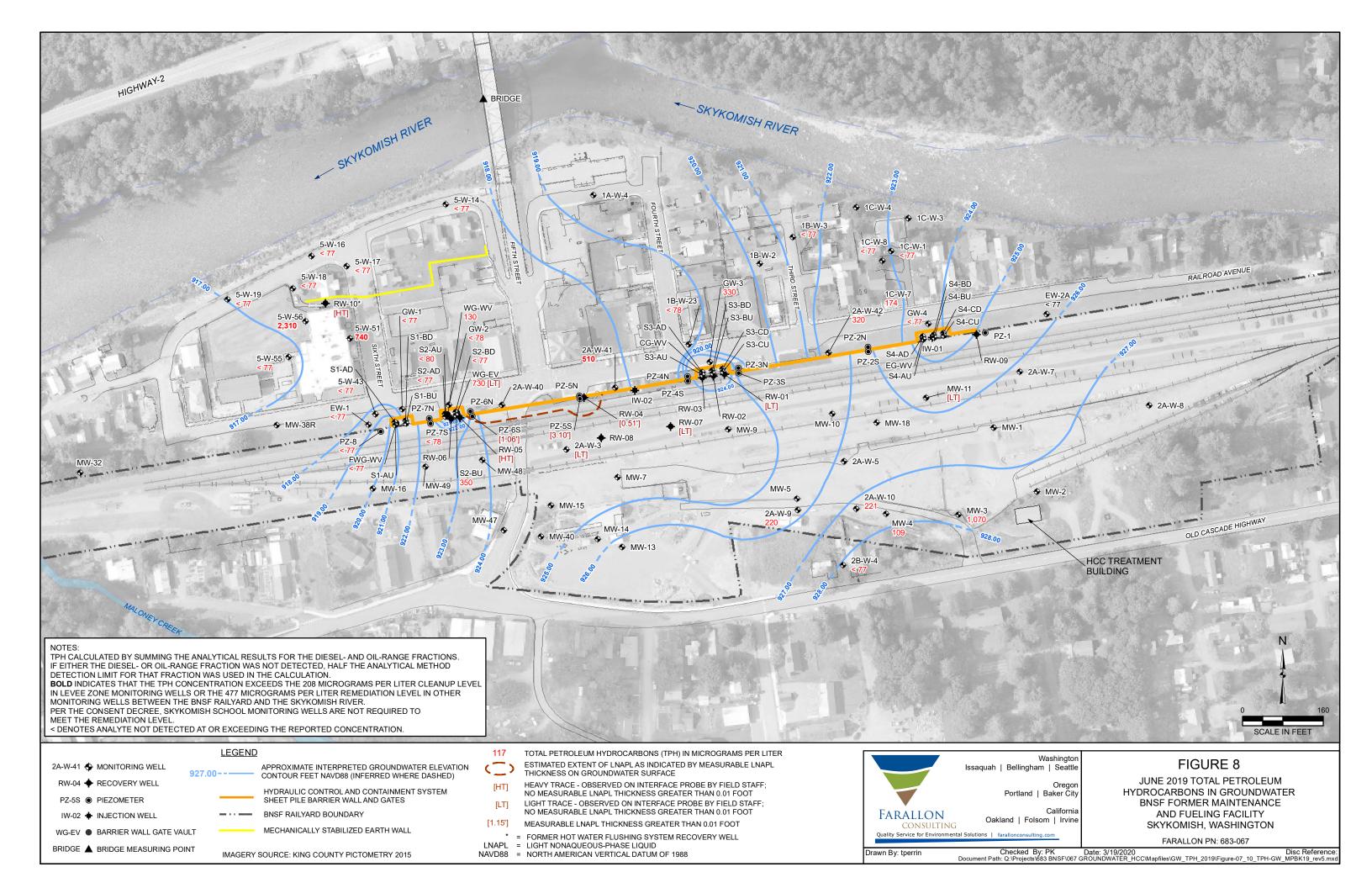


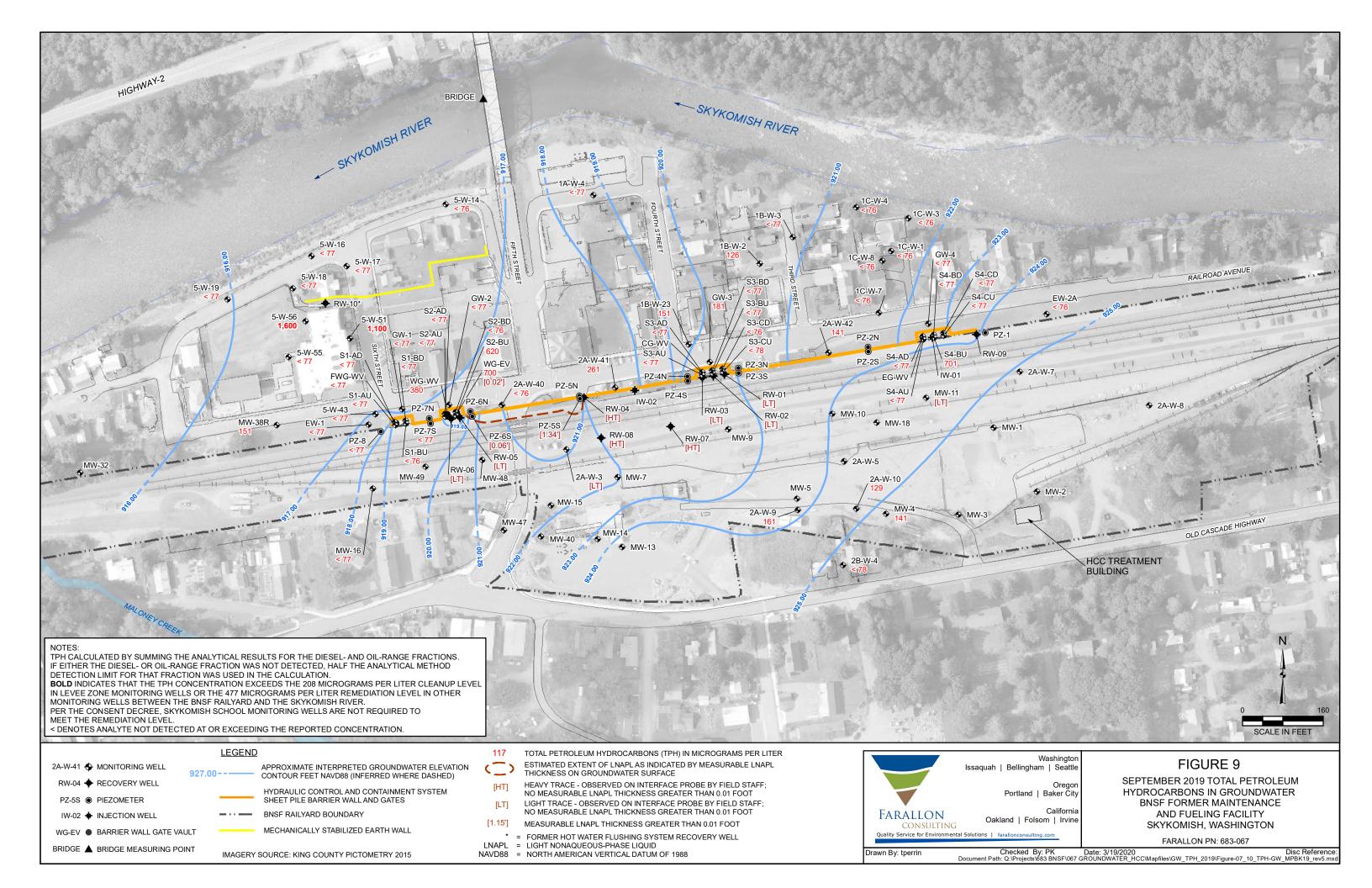


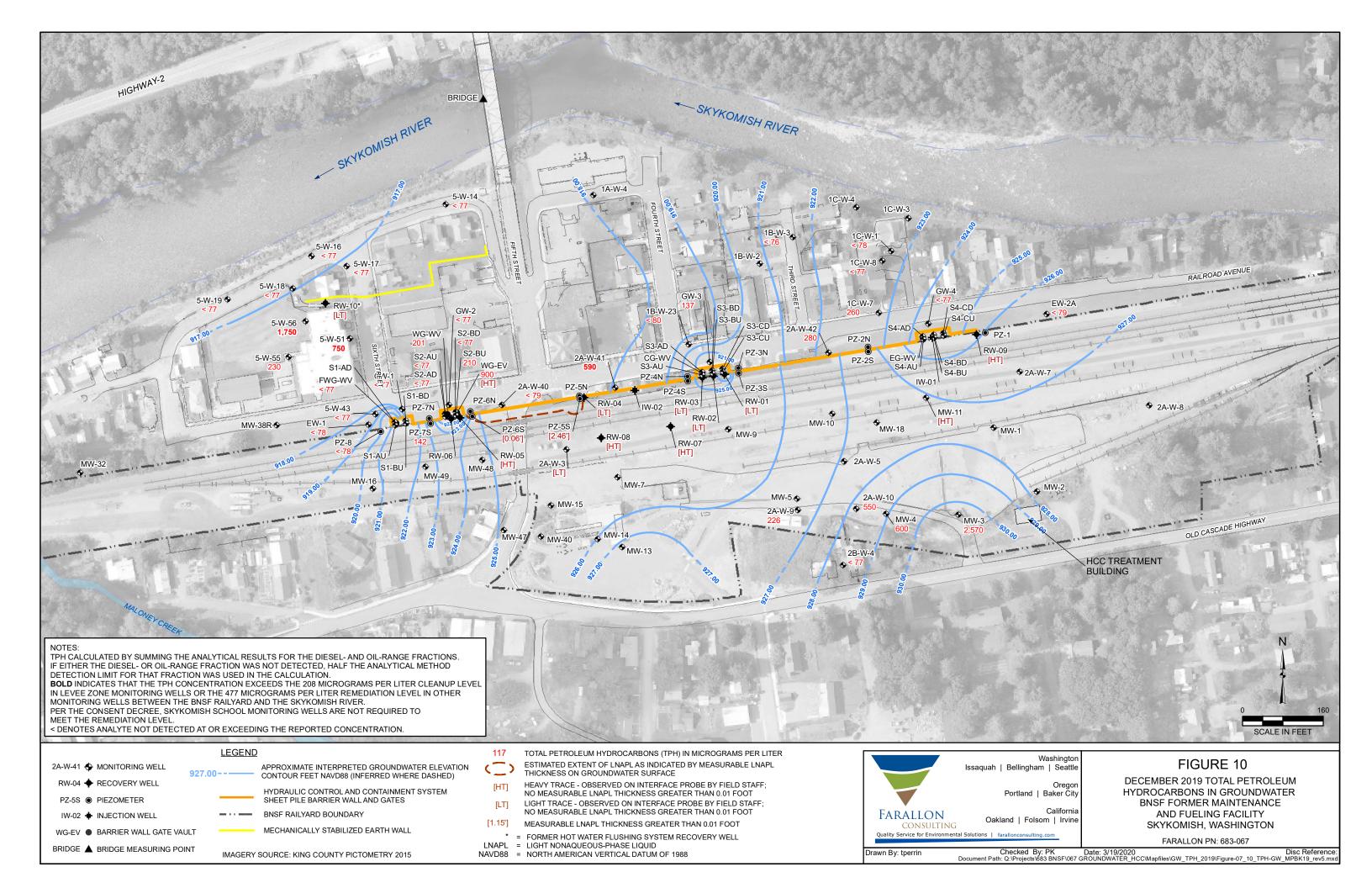












TABLES

2019 SITE-WIDE GROUNDWATER MONITORING REPORT BNSF Former Maintenance and Fueling Facility Skykomish, Washington Consent Decree No. 07-2-33672-9 SEA

Farallon PN: 683-067

Table 12019 Groundwater Monitoring Event DatesBNSF Former Maintenance and Fueling FacilitySkykomish, WashingtonFarallon PN: 683-067

| Monitoring Event | Start Date | End Date |
|------------------|------------|------------|
| March Event | 03/19/2019 | 03/22/2019 |
| June Event | 06/17/2019 | 06/19/2019 |
| September Event | 09/16/2019 | 09/19/2019 |
| December Event | 12/16/2019 | 12/19/2019 |

NOTE:

Sampling and liquid-level gauging details for the monitoring events are provided in Tables 2 and 3.

Table 22019 Groundwater Sampling LocationsBNSF Former Maintenance and Fueling FacilitySkykomish, WashingtonFarallon PN: 683-067

| Area/Well Group | Well | March Monitoring Event | June Monitoring Event | September Monitoring Event | December Monitoring Event | Analyte |
|-------------------|---------|---------------------------|--------------------------|-------------------------------|------------------------------|----------|
| | 5-W-14 | Х | Х | Х | Х | NWTPH-Dx |
| | 5-W-16 | Х | Х | Х | Х | NWTPH-Dx |
| Levee Zone | 5-W-17 | Х | Х | Х | Х | NWTPH-Dx |
| | 5-W-18 | X | Х | Х | Х | NWTPH-Dx |
| | 5-W-19 | X | Х | Х | Х | NWTPH-Dx |
| | 5-W-51 | Х | \mathbf{X}^{1} | Х | X^1 | NWTPH-Dx |
| Schoolyard | 5-W-55 | X | X ¹ | Х | X ¹ | NWTPH-Dx |
| | 5-W-56 | X | X ¹ | Х | X ¹ | NWTPH-Dx |
| | S1-AD | Х | _ | Х | _ | NWTPH-Dx |
| | S1-AU | X | | Х | _ | NWTPH-Dx |
| | S1-BD | X | | Х | _ | NWTPH-Dx |
| | S1-BU | X | | Х | _ | NWTPH-Dx |
| | S2-AD | X | | Х | _ | NWTPH-Dx |
| | S2-AU | X | | Х | _ | NWTPH-Dx |
| | S2-BD | X | | Х | _ | NWTPH-Dx |
| | S2-BU | X | | Х | _ | NWTPH-Dx |
| | S3-AD | X | | Х | _ | NWTPH-Dx |
| | S3-AU | X | | Х | _ | NWTPH-Dx |
| | S3-BD | X | | Х | | NWTPH-Dx |
| | S3-BU | X | | Х | | NWTPH-Dx |
| | S3-CD | X | | Х | | NWTPH-Dx |
| | S3-CU | X | | Х | | NWTPH-Dx |
| | S4-AD | X | | Х | | NWTPH-Dx |
| HCC System | S4-AU | X | | Х | | NWTPH-Dx |
| | S4-BD | X | | X | | NWTPH-Dx |
| | S4-BU | X | | X | _ | NWTPH-Dx |
| | S4-CD | X | | X | | NWTPH-Dx |
| | S4-CU | X | | X | _ | NWTPH-Dx |
| | GW-1 | X | X | X | Х | NWTPH-Dx |
| | GW-2 | X | X | X | X | NWTPH-Dx |
| | GW-3 | X | X | X | X | NWTPH-Dx |
| | GW-4 | X | X | X | X | NWTPH-Dx |
| | EW-1 | X | X | Х | Х | NWTPH-Dx |
| | EW-2A | X | X | Х | X | NWTPH-Dx |
| - | 5-W-43 | X | X | X | X | NWTPH-Dx |
| - | 2A-W-40 | X | | X | X | NWTPH-Dx |
| - | 2A-W-41 | X | X | X | X | NWTPH-Dx |
| - | 1B-W-23 | X | X | X | X | NWTPH-Dx |
| - | 2A-W-42 | X | X | X | X | NWTPH-Dx |
| | 1B-W-3 | X | X | X | X | NWTPH-Dx |
| Former Air Sparge | 1C-W-7 | X | X | X | X | NWTPH-Dx |
| Area | 1C-W-8 | X | X | X | X | NWTPH-Dx |

Table 22019 Groundwater Sampling LocationsBNSF Former Maintenance and Fueling FacilitySkykomish, WashingtonFarallon PN: 683-067

| Area/Well Group | Well | March Monitoring Event | June Monitoring Event | September Monitoring Event | December Monitoring Event | Analyte |
|------------------------------|---------|---------------------------|--------------------------|-------------------------------|------------------------------|----------|
| | MW-3 | Х | Х | _ | Х | NWTPH-Dx |
| Башкан Маlанан | MW-4 | Х | Х | Х | Х | NWTPH-Dx |
| Former Maloney Creek Zone | 2A-W-9 | Х | Х | Х | Х | NWTPH-Dx |
| Creek Zone | 2A-W-10 | Х | Х | Х | Х | NWTPH-Dx |
| | 2B-W-4 | Х | Х | Х | Х | NWTPH-Dx |
| | 1A-W-4 | Х | _ | Х | _ | NWTPH-Dx |
| | 1B-W-2 | Х | _ | Х | _ | NWTPH-Dx |
| | 1C-W-1 | Х | Х | Х | Х | NWTPH-Dx |
| Site-Wide | 1C-W-3 | Х | _ | Х | | NWTPH-Dx |
| | 1C-W-4 | Х | _ | Х | | NWTPH-Dx |
| | MW-16 | Х | | Х | | NWTPH-Dx |
| | MW-38R | Х | | Х | | NWTPH-Dx |

NOTES:

"-" denotes well not sampled.

¹Schoolyard wells sampled quarterly following removal of the hot water flushing remediation system.

²Sentry wells were sampled quarterly as part of the HCC System Passive Operation Pilot Study.

NWTPH-Dx = total petroleum hydrocarbons as diesel-range and oil-range organics

HCC = hydraulic control and containment

Table 32019 Liquid-Level Gauging FrequencyBNSF Former Maintenance and Fueling FacilitySkykomish, WashingtonFarallon PN: 683-067

| | | | Gauging Frequency | | | | |
|-----------------|----------|--------------------------------|-------------------|----------------|--|--|--|
| Area/Well Group | Location | Continuous ¹ | Quarterly | Semiannually | | | |
| | 5-W-14 | — | Х | — | | | |
| | 5-W-16 | — | Х | — | | | |
| Levee Zone | 5-W-17 | — | Х | — | | | |
| | 5-W-18 | — | Х | — | | | |
| | 5-W-19 | — | Х | — | | | |
| | 5-W-51 | — | X^2 | X^2 | | | |
| Schoolyard | 5-W-55 | — | X^2 | X ² | | | |
| Schoolyard | 5-W-56 | _ | X^2 | X^2 | | | |
| | RW-10 | — | X^2 | | | | |
| | IW-01 | — | _ | Х | | | |
| | PZ-1 | Х | Х | | | | |
| | PZ-2N | Х | Х | | | | |
| | PZ-2S | Х | Х | _ | | | |
| | PZ-3N | Х | Х | _ | | | |
| | PZ-3S | Х | Х | _ | | | |
| | PZ-4N | Х | Х | _ | | | |
| | PZ-4S | Х | Х | | | | |
| | PZ-5N | Х | Х | | | | |
| | PZ-5S | Х | Х | | | | |
| | PZ-6N | Х | Х | | | | |
| | PZ-6S | Х | Х | _ | | | |
| HCC System | PZ-7N | Х | Х | | | | |
| | PZ-7S | Х | Х | _ | | | |
| | PZ-8 | Х | Х | | | | |
| | RW-01 | Х | Х | _ | | | |
| | RW-02 | Х | Х | _ | | | |
| | RW-03 | Х | Х | — | | | |
| | RW-04 | Х | Х | _ | | | |
| | RW-05 | Х | Х | — | | | |
| | RW-06 | Х | Х | _ | | | |
| | RW-07 | Х | Х | _ | | | |
| | RW-08 | Х | Х | _ | | | |
| | RW-09 | Х | Х | _ | | | |

Table 32019 Liquid-Level Gauging FrequencyBNSF Former Maintenance and Fueling FacilitySkykomish, WashingtonFarallon PN: 683-067

| | | | Gauging Frequency | 7 |
|---------------------------|--------------------------|-------------------------|-------------------|--------------|
| Area/Well Group | Location | Continuous ¹ | Quarterly | Semiannually |
| • | EG-EV-South Chamber | | X ³ | |
| | EG-EV-North Chamber | — | X^3 | _ |
| | EG-CV-South Chamber | _ | X ³ | _ |
| | EG-CV-North Chamber | — | X^3 | |
| | EG-WV-South Chamber | Х | Х | |
| | (formerly EG-WV or EV) | Λ | Λ | |
| | EG-WV-North Chamber | — | Х | |
| | CG-EV-South Chamber | — | X^3 | |
| | CG-EV-North Chamber | — | X ³ | _ |
| | CG-CV-South Chamber | — | X^3 | _ |
| | CG-CV-North Chamber | — | X ³ | _ |
| | CG-WV-South Chamber | Х | Х | |
| | (formerly CG-WV or CV) | Х | Λ | |
| | CG-WV-North Chamber | — | Х | _ |
| | WG-EV-South Chamber | Х | Х | |
| | (formerly WG-EV or WV) | Λ | Λ | _ |
| UCC System | WG-EV-North Chamber | — | Х | _ |
| • | WG-WV-South Chamber | | X^3 | |
| (continued) | WG-WV-North Chamber | | X^3 | |
| | FWG-EV-South Chamber | — | X^3 | _ |
| | FWG-EV-North Chamber | | X ³ | |
| HCC System (continued) | FWG-WV-South Chamber | V | V | |
| | (formerly FWG-WV or FWV) | Х | Х | _ |
| | FWG-WV-North Chamber | | Х | |
| | GW-1 | | Х | |
| | GW-2 | | Х | |
| | GW-3 | | Х | |
| | GW-4 | | Х | |
| | EW-1 | | Х | |
| | EW-2A | | Х | |
| | 5-W-43 | | Х | |
| | 2A-W-40 | | Х | _ |
| | 2A-W-41 | | Х | |
| | 1B-W-23 | | Х | |
| | 2A-W-42 | | Х | |
| Earman Air Sparsa | 1B-W-3 | | Х | |
| Former Air Sparge | 1C-W-7 | | Х | _ |
| Area | 1C-W-8 | | Х | _ |

Table 32019 Liquid-Level Gauging FrequencyBNSF Former Maintenance and Fueling FacilitySkykomish, WashingtonFarallon PN: 683-067

| | | Gauging Frequency | | | | |
|-------------------------------------|------------------------|-------------------------|-----------|--------------|--|--|
| Area/Well Group | Location | Continuous ¹ | Quarterly | Semiannually | | |
| | MW-1 | _ | X | _ | | |
| | MW-2 | _ | Х | | | |
| | MW-3 | — | Х | — | | |
| | MW-4 | _ | Х | | | |
| | MW-5 | | Х | | | |
| | MW-7 | | Х | | | |
| | MW-9 | | Х | | | |
| | MW-10 | | Х | | | |
| E Malanaa | MW-11 | | Х | | | |
| Former Maloney | MW-13 | | Х | | | |
| Creek Zone and | MW-14 | | Х | | | |
| Surrounding Area | MW-15 | | Х | | | |
| | MW-18 | _ | Х | _ | | |
| | MW-40 | _ | Х | _ | | |
| | 2A-W-3 | _ | Х | _ | | |
| | 2A-W-5 | _ | Х | _ | | |
| | 2A-W-7 | _ | X X | | | |
| | 2A-W-9 | _ | Х | _ | | |
| | 2A-W-10 | _ | Х | | | |
| | 2B-W-4 | _ | Х | | | |
| | 1A-W-4 | _ | Х | _ | | |
| | 1B-W-2 | _ | | Х | | |
| | 1C-W-1 | _ | Х | | | |
| | 1C-W-3 | | | Х | | |
| | 1C-W-4 | | | Х | | |
| | 2A-W-8 | | Х | | | |
| Site-Wide | MW-16 | | Х | | | |
| | MW-32 | | | X | | |
| | MW-38R | | Х | | | |
| | MW-47 | | X | | | |
| | MW-48 | | X | | | |
| | MW-49 | | X | | | |
| Surface Water Monitoring Station | Skykomish River Bridge | — | X | _ | | |

NOTES:

"—" denotes location not gauged at the frequency indicated.

HCC = hydraulic control and containment LNAPL = light nonaqueous-phase liquid

¹Water-level transducers at the indicated locations provide continuous, real-time water level measurements; water levels are recorded hourly. Manual gauging for the presence of LNAPL at these locations is performed quarterly.

²Schoolyard wells gauged quarterly following removal of the hot water flushing remediation system.
³Vault chamber is visually inspected for the presence of LNAPL. Depth to water normally is not measured; LNAPL thickness is measured if measurable LNAPL is present.

3 of 3

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date Levee Zone Mon | Depth to Water ² (feet) itoring Wells | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|----------------|--|------------------------|--|---|---------------------------|
| | | 3/19/2019 | 9.65 | 916.94 | |
| 5 XX 14 | 006 50 | 6/17/2019 | 9.35 | 917.24 | |
| 5-W-14 | 926.59 | 9/16/2019 | 10.30 | 916.29 | _ |
| | Elevation ¹ | 12/16/2019 | 9.44 | 917.15 | |
| | | 3/19/2019 | 8.43 | 916.77 | _ |
| 5-W-16 | 025.20 | 6/17/2019 | 8.10 | 917.10 | — |
| 3-w-10 | 925.20 | 9/16/2019 | 9.10 | 916.10 | — |
| | | 12/16/2019 | 8.21 | 916.99 | |
| | | 3/19/2019 | 7.81 | 916.79 | — |
| 5-W-17 | 024.60 | 6/17/2019 | 7.44 | 917.16 | |
| 5- •• -1 / | 924.00 | 9/16/2019 | 8.54 | 916.06 | |
| | | 12/16/2019 | 7.58 | 917.02 | |
| | | 3/19/2019 | 7.89 | 916.75 | |
| 5-W-18 | 924 64 | 6/17/2019 | 7.55 | 917.09 | — |
| 5 | 924.04 | 9/16/2019 | 8.57 | 916.07 | — |
| | | 12/16/2019 | 7.64 | 917.00 | — |
| | | 6/17/2019 | 7.35 | 917.00 | — |
| 5-W-19 | 924 35 | 3/19/2019 | 7.69 | 916.66 | — |
| J-W-17 | 727.33 | 9/16/2019 | 8.41 | 915.94 | |
| | | 12/16/2019 | 7.48 | 916.87 | — |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|--------------|--|-------------------|---------------------------------------|---|---------------------------|
| | | Schoolyard Monito | oring Locations | | |
| | | 3/19/2019 | 7.54 | 917.54 | — |
| 5-W-51 | 925.08 | 6/17/2019 | 7.41 | 917.67 | — |
| 5-w-51 | 925.08 | 9/16/2019 | 8.44 | 916.64 | — |
| | | 12/16/2019 | 7.70 | 917.38 | _ |
| | 923.92 | 3/19/2019 | 6.63 | 917.29 | — |
| 5-W-55 | | 6/17/2019 | 7.30 | 916.62 | — |
| 5-W-55 | | 9/16/2019 | 7.54 | 916.38 | — |
| | | 12/16/2019 | 6.46 | 917.46 | |
| | | 3/19/2019 | 7.82 | 916.94 | — |
| 5-W-56 | 924.76 | 6/17/2019 | 6.57 | 918.19 | _ |
| 3-w-30 | 924.70 | 9/16/2019 | 8.31 | 916.45 | — |
| | | 12/16/2019 | 7.23 | 917.53 | — |
| | | 3/19/2019 | 7.34 | 917.77 | — |
| RW-10 | 025 11 | 6/17/2019 | 7.31 | 917.80 | Heavy Trace |
| Kw-10 | 925.11 | 9/16/2019 | 8.25 | 916.86 | — |
| | | 12/16/2019 | 7.12 | 917.99 | Light Trace |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) | | | | |
|----------|---|------------|---------------------------------------|---|---------------------------|--|--|--|--|
| | Hydraulic Control and Containment System Monitoring Locations | | | | | | | | |
| IW-01 | 933.49 | 3/19/2019 | 8.21 | 925.28 | — | | | | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 9/16/2019 | 9.76 | 923.73 | — | | | | |
| | | 3/19/2019 | 17.76 | 917.62 | — | | | | |
| PZ-1 | 935.38 | 6/17/2019 | 9.83 | 925.55 | — | | | | |
| | | 9/16/2019 | 11.10 | 924.28 | — | | | | |
| | | 12/16/2019 | 9.32 | 926.06 | — | | | | |
| | | 3/19/2019 | 11.76 | 922.59 | | | | | |
| PZ-2N | 934.35 | 6/17/2019 | 12.03 | 922.32 | — | | | | |
| 12-21 | 754.55 | 9/16/2019 | 12.95 | 921.40 | — | | | | |
| | | 12/16/2019 | 11.61 | 922.74 | — | | | | |
| | | 3/19/2019 | 8.28 | 926.66 | _ | | | | |
| PZ-2S | 934.94 | 6/17/2019 | 8.84 | 926.10 | _ | | | | |
| FZ-25 | | 9/16/2019 | 11.01 | 923.93 | _ | | | | |
| | | 12/16/2019 | 7.77 | 927.17 | — | | | | |
| | | 3/19/2019 | 14.03 | 920.38 | — | | | | |
| PZ-3N | 934.41 | 6/17/2019 | 14.05 | 920.36 | _ | | | | |
| FZ-5IN | 934.41 | 9/16/2019 | 14.07 | 920.34 | | | | | |
| | | 12/16/2019 | 14.00 | 920.41 | | | | | |
| | | 3/19/2019 | 8.74 | 925.71 | — | | | | |
| PZ-3S | 934.45 | 6/17/2019 | 9.26 | 925.19 | | | | | |
| PZ-35 | 934.43 | 9/16/2019 | 11.31 | 923.14 | — | | | | |
| | | 12/16/2019 | 9.27 | 925.18 | | | | | |
| | | 3/19/2019 | 13.61 | 921.66 | — | | | | |
| D7 4M | 025.27 | 6/17/2019 | 14.65 | 920.62 | — | | | | |
| PZ-4N | 935.27 | 9/16/2019 | 14.70 | 920.57 | — | | | | |
| | | 12/16/2019 | 14.66 | 920.61 | _ | | | | |
| | | 3/19/2019 | 10.03 | 925.28 | | | | | |
| D7 40 | 025.21 | 6/17/2019 | 10.52 | 924.79 | — | | | | |
| PZ-4S | 935.31 | 9/16/2019 | 12.69 | 922.62 | — | | | | |
| | | 12/16/2019 | 9.61 | 925.70 | _ | | | | |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|---------------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 15.49 | 917.66 | _ |
| DZ SN | 933.15 | 6/17/2019 | 15.27 | 917.88 | |
| PZ-5N | 935.15 | 9/16/2019 | 15.65 | 917.50 | |
| | | 12/16/2019 | 15.21 | 917.94 | _ |
| | | 3/20/2019 | 8.48 | 924.98 | 0.01 |
| D7 50 | 022.46 | 6/17/2019 | 12.21 | 921.25 | 3.10 |
| PZ-5S | 933.46 | 9/16/2019 | 13.08 | 920.38 | 1.34 |
| | | 12/16/2019 | 10.61 | 922.85 | 2.46 |
| | | 3/19/2019 | 13.51 | 917.66 | |
| D7 (N | 931.17 | 6/17/2019 | 13.32 | 917.85 | |
| PZ-6N | | 9/16/2019 | 14.04 | 917.13 | |
| | | 12/16/2019 | 13.27 | 917.90 | |
| | 931.41 | 3/20/2019 | 7.34 | 924.07 | 0.05 |
| PZ-6S | | 6/17/2019 | 7.65 | 923.76 | 1.06 |
| PZ-03 | 951.41 | 9/16/2019 | 10.23 | 921.18 | 0.06 |
| | | 12/16/2019 | 6.93 | 924.48 | 0.06 |
| | | 3/19/2019 | 12.60 | 917.77 | |
| PZ-7N | 930.37 | 6/17/2019 | 12.49 | 917.88 | _ |
| PZ-/IN | 930.37 | 9/16/2019 | 13.31 | 917.06 | |
| | | 12/16/2019 | 12.43 | 917.94 | |
| | | 3/19/2019 | 7.43 | 922.97 | |
| PZ-7S | 930.4 | 6/17/2019 | 7.60 | 922.80 | |
| r2-75 | 930.4 | 9/16/2019 | 10.73 | 919.67 | — |
| | | 12/16/2019 | 6.65 | 923.75 | |
| | | 3/19/2019 | 9.73 | 919.75 | |
| PZ-8 | 929.48 | 6/17/2019 | 9.81 | 919.67 | — |
| Г <i>L</i> -0 | 727.40 | 9/16/2019 | 11.51 | 917.97 | |
| | | 12/16/2019 | 9.40 | 920.08 | |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|--------------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 8.89 | 923.95 | Organic Sheen |
| RW-01 | 932.84 | 6/17/2019 | 9.21 | 923.63 | Light Trace |
| KW-01 | 932.84 | 9/16/2019 | 10.75 | 922.09 | Light Trace |
| | | 12/16/2019 | 9.69 | 923.15 | Light Trace |
| | | 3/19/2019 | 9.9 | 923.94 | Organic Sheen |
| RW-02 | 933.84 | 6/17/2019 | 10.21 | 923.63 | |
| KW-02 | 955.84 | 9/16/2019 | 11.75 | 922.09 | Light Trace |
| | | 12/16/2019 | 9.69 | 924.15 | Light Trace |
| | | 3/19/2019 | 9.84 | 923.96 | Organic Sheen |
| RW-03 | 933.80 - | 6/17/2019 | 10.23 | 923.57 | |
| KW-05 | | 9/16/2019 | 11.79 | 922.01 | Light Trace |
| | | 12/16/2019 | 9.69 | 924.11 | Light Trace |
| | 931.86 | 3/20/2019 | 6.87 | 924.99 | 0.08 |
| RW-04 | | 6/17/2019 | 5.92 | 925.94 | 0.51 |
| K W -04 | 931.80 | 9/16/2019 | 8.02 | 923.84 | Heavy Trace |
| | | 12/16/2019 | 6.60 | 925.26 | Light Trace |
| | | 3/19/2019 | 8.98 | 919.55 | Light Trace |
| RW-05 | 928.53 | 6/17/2019 | 7.83 | 920.70 | Heavy Trace |
| KW-05 | 928.35 | 9/16/2019 | 10.36 | 918.17 | Light Trace |
| | | 12/16/2019 | 7.52 | 921.01 | Heavy Trace |
| | | 3/19/2019 | 8.97 | 919.56 | Light Trace |
| RW-06 | 029.52 | 6/17/2019 | 8.03 | 920.50 | |
| K W -00 | 928.53 | 9/16/2019 | 10.27 | 918.26 | Light Trace |
| | | 12/16/2019 | 7.53 | 921.00 | |
| | | 3/20/2019 | 7.41 | 925.65 | Heavy Trace |
| RW-07 | 933.06 | 6/17/2019 | 8.19 | 924.87 | Light Trace |
| KW-07 | 955.00 | 9/16/2019 | 10.35 | 922.71 | Heavy Trace |
| | | 12/16/2019 | 7.21 | 925.85 | Heavy Trace |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|----------------------------------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/20/2019 | 6.61 | 925.24 | Heavy Trace |
| | 021.05 | 6/17/2019 | 7.31 | 924.54 | |
| RW-08 | 931.85 | 9/16/2019 | 9.78 | 922.07 | Heavy Trace |
| | - | 12/16/2019 | 6.40 | 925.45 | Heavy Trace |
| | | 3/19/2019 | 8.74 | 925.22 | |
| DW/ 00 | 022.06 | 6/17/2019 | 8.89 | 925.07 | |
| RW-09 | 933.96 | 9/16/2019 | 10.21 | 923.75 | |
| | | 12/16/2019 | 8.52 | 925.44 | Heavy Trace |
| | | 3/19/2019 | NA | NA | |
| | | 6/17/2019 | NA | NA | |
| EG-EV-South Chamber ³ | NA | 9/16/2019 | 10.86 | NA | |
| | | 12/16/2019 | 9.22 | NA | |
| | | 3/19/2019 | NA | NA | |
| | 27.4 | 6/17/2019 | NA | NA | |
| EG-EV-North Chamber ³ | NA | 9/16/2019 | 10.86 | NA | |
| | | 12/16/2019 | 9.23 | NA | |
| | | 3/19/2019 | NA | NA | |
| | | 6/17/2019 | NA | NA | |
| EG-CV-South Chamber ³ | NA | 9/16/2019 | 11.13 | NA | |
| | | 12/16/2019 | 9.76 | NA | |
| | | 3/19/2019 | NA | NA | |
| | NA | 6/17/2019 | NA | NA | |
| EG-CV-North Chamber ³ | NA - | 9/16/2019 | 11.13 | NA | |
| | | 12/16/2019 | 9.75 | NA | |
| | | 3/19/2019 | 8.61 | 925.70 | |
| EG-WV-South Chamber | 934.31 | 6/17/2019 | 10.17 | 924.14 | |
| (formerly EG-WV or EV) | 704.01 | 9/16/2019 | 11.13 | 923.18 | — |
| | | 12/16/2019 | 9.86 | 924.45 | |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|----------------------------------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 8.60 | 925.71 | |
| FC WW No at Character | 024.21 | 6/17/2019 | 10.19 | 924.12 | |
| EG-WV-North Chamber | 934.31 | 9/16/2019 | 11.13 | 923.18 | |
| | | 12/16/2019 | 9.86 | 924.45 | |
| | | 3/19/2019 | NA | NA | |
| | | 6/17/2019 | NA | NA | |
| CG-EV-South Chamber ³ | NA | 9/16/2019 | 9.61 | NA | |
| | | 12/16/2019 | 8.41 | NA | Organic Sheen |
| | | 3/19/2019 | NA | NA | — |
| | | 6/17/2019 | NA | NA | |
| CG-EV-North Chamber ³ | NA | 9/16/2019 | 9.61 | NA | |
| | | 12/16/2019 | 8.40 | NA | |
| | | 3/19/2019 | NA | NA | |
| | 27.4 | 6/17/2019 | NA | NA | |
| CG-CV-South Chamber ³ | NA | 9/16/2019 | 9.71 | NA | |
| | - | 12/16/2019 | 8.49 | NA | |
| | | 3/19/2019 | NA | NA | |
| | | 6/17/2019 | NA | NA | |
| CG-CV-North Chamber ³ | NA | 9/16/2019 | 9.71 | NA | |
| | | 12/16/2019 | 8.49 | NA | |
| | | 3/19/2019 | 8.75 | 928.34 | Organic Sheen |
| CG-WV-South Chamber | 937.09 | 6/17/2019 | 9.07 | 928.02 | |
| (formerly CG-WV or CV) | 957.09 | 9/16/2019 | 10.60 | 926.49 | |
| | | 12/16/2019 | 8.49 | 928.60 | |
| | | 3/19/2019 | 8.76 | 928.33 | |
| CG-WV-North Chamber | 937.09 | 6/17/2019 | 9.09 | 928.00 | |
| CG-wv-norui Chamber | 937.09 | 9/16/2019 | 10.60 | 926.49 | — |
| | | 12/16/2019 | 8.49 | 928.60 | |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|--|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 7.85 | 923.99 | Heavy Trace |
| WG-EV-South Chamber | 021.04 | 6/17/2019 | 8.02 | 923.82 | Light Trace |
| (formerly WG-EV or WV) | 931.84 | 9/16/2019 | 9.13 | 922.71 | 0.02 |
| | | 12/16/2019 | 7.52 | 924.32 | Heavy Trace |
| | | 3/19/2019 | 7.85 | 923.99 | Light Trace |
| WC EV North Charalter | 021.04 | 6/17/2019 | 8.02 | 923.82 | _ |
| WG-EV-North Chamber | 931.84 | 9/16/2019 | 9.15 | 922.69 | Heavy Trace |
| | | 12/16/2019 | 7.52 | 924.32 | Light Trace |
| | | 3/19/2019 | NA | NA | — |
| | NT A | 6/17/2019 | NA | NA | |
| WG-WV-South Chamber ³ | NA | 9/16/2019 | 9.11 | NA | |
| | | 12/16/2019 | 7.45 | NA | |
| | | 3/19/2019 | NA | NA | |
| | NT A | 6/17/2019 | NA | NA | |
| WG-WV-North Chamber ³ | NA | 9/16/2019 | 9.11 | NA | |
| | | 12/16/2019 | 7.45 | NA | |
| | | 3/19/2019 | NA | NA | |
| | NA | 6/17/2019 | NA | NA | |
| FWG-EV-South Chamber ³ | NA | 9/16/2019 | 7.59 | NA | |
| | | 12/16/2019 | 4.76 | NA | |
| | | 3/19/2019 | NA | NA | |
| $\mathbf{F} \mathbf{W} \mathbf{C} = \mathbf{F} \mathbf{V} \mathbf{N} + \mathbf{I} \mathbf{C} \mathbf{I} + \mathbf{I} \mathbf{S}^{3}$ | NA | 6/17/2019 | NA | NA | |
| FWG-EV-North Chamber ³ | NA | 9/16/2019 | 7.59 | NA | |
| | | 12/16/2019 | 4.76 | NA | |
| | | 3/19/2019 | 4.87 | 925.89 | — |
| FWG-WV-South Chamber | 930.76 | 6/17/2019 | 5.23 | 925.53 | — |
| (formerly FWG-WV or FWV) | 930.70 | 9/16/2019 | 7.56 | 923.20 | |
| | | 12/16/2019 | 4.72 | 926.04 | |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|------------------------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 4.87 | 925.89 | _ |
| EWC WW North Character | 020 76 | 6/17/2019 | 5.23 | 925.53 | |
| FWG-WV-North Chamber | 930.76 | 9/16/2019 | 7.56 | 923.20 | |
| | | 12/16/2019 | 4.72 | 926.04 | |
| | | 3/19/2019 | 6.71 | 921.53 | |
| CIV 1 | 028.24 | 6/17/2019 | 10.51 | 917.73 | |
| GW-1 | 928.24 | 9/16/2019 | 11.33 | 916.91 | |
| | | 12/16/2019 | 10.45 | 917.79 | _ |
| | | 3/19/2019 | 12.74 | 917.55 | _ |
| CIV 2 | 020.20 | 6/17/2019 | 12.51 | 917.78 | |
| GW-2 | 930.29 | 9/16/2019 | 13.24 | 917.05 | _ |
| | | 12/16/2019 | 12.45 | 917.84 | |
| | | 3/19/2019 | 14.42 | 921.40 | |
| GW-3 | 025.02 | 6/17/2019 | 14.21 | 921.61 | |
| GM-2 | 935.82 | 9/16/2019 | 15.42 | 920.40 | |
| | | 12/16/2019 | 14.42 | 921.40 | |
| | | 3/19/2019 | 10.69 | 923.99 | |
| | 024.69 | 6/17/2019 | 10.71 | 923.97 | |
| GW-4 | 934.68 | 9/16/2019 | 11.75 | 922.93 | |
| | | 12/16/2019 | 10.39 | 924.29 | |
| | | 3/19/2019 | 9.35 | 919.37 | |
| EW-1 | 029.72 | 6/17/2019 | 10.30 | 918.42 | _ |
| Ew-1 | 928.72 | 9/16/2019 | 11.42 | 917.30 | _ |
| | | 12/16/2019 | 10.10 | 918.62 | |
| | | 3/19/2019 | 10.31 | 925.89 | |
| EW-2A | 936.2 | 6/17/2019 | 10.41 | 925.79 | |
| EW-2A | 930.2 | 9/16/2019 | 11.67 | 924.53 | — |
| | | 12/16/2019 | 9.94 | 926.26 | |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|------------------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 8.14 | 918.04 | — |
| 5-W-43 | 926.18 | 6/17/2019 | 8.04 | 918.14 | — |
| 5-w-45 | 920.18 | 9/16/2019 | 9.08 | 917.10 | — |
| | | 12/16/2019 | 7.89 | 918.29 | |
| | | 3/19/2019 | 12.04 | 921.30 | — |
| 2A-W-40 | 022.24 | 6/17/2019 | 12.35 | 920.99 | |
| 2A-w-40 | 933.34 | 9/16/2019 | 13.33 | 920.01 | — |
| | | 12/16/2019 | 11.91 | 921.43 | — |
| | | 3/19/2019 | 17.52 | 917.70 | — |
| 2A-W-41 | 935.22 | 6/17/2019 | 17.33 | 917.89 | — |
| 2A-W-41 | 955.22 | 9/16/2019 | 18.12 | 917.10 | — |
| | - | 12/16/2019 | 17.21 | 918.01 | — |
| | | 3/19/2019 | 16.61 | 919.64 | — |
| 1B-W-23 | 936.25 | 6/17/2019 | 17.52 | 918.73 | _ |
| 1 D -W-23 | 930.25 | 9/16/2019 | 16.70 | 919.55 | — |
| | | 12/16/2019 | 16.84 | 919.41 | |
| | | 3/19/2019 | 13.15 | 922.22 | — |
| 2 A W 42 | 025 27 | 6/17/2019 | 13.33 | 922.04 | — |
| 2A-W-42 | 935.37 | 9/16/2019 | 14.10 | 921.27 | _ |
| | | 12/16/2019 | 13.02 | 922.35 | |

| | Measuring Point Elevation ¹ | | Depth to Water ² | Water Elevation ¹ | LNAPL Thickness |
|----------|---|------------------------|-----------------------------|------------------------------|-----------------|
| Location | (feet NAVD88) | Date | (feet) | (feet NAVD88) | (feet) |
| | FO | rmer Air Sparge Are | | 921.75 | |
| | - | 3/19/2019 | 14.91 | | |
| 1B-W-3 | 936.66 | 6/17/2019 9/16/2019 | 15.31 15.98 | 921.35 | — |
| | - | 12/16/2019 | 13.98 | 920.68 921.73 | — |
| | | | 12.44 | 921.73 | — |
| | - | 3/19/2019 | 12.44 | 922.60 | |
| 1C-W-7 | 935.04 | 6/17/2019 | 12.70 | | |
| | - | 9/16/2019 | | 921.42 | |
| | | 12/16/2019 | 12.27 | 922.77 | — |
| | - | 3/19/2019 | 13.18 | 922.52 | — |
| 1C-W-8 | 935.7 | 6/17/2019 | 13.40 | 922.30 | — |
| | | 9/16/2019 | 14.32 | 921.38 | — |
| | E Malana | 12/16/2019 | 13.03 | 922.67 | |
| | Former Maloney | | rrounding Area Monitori | - | |
| | - | 3/19/2019 | 12.41 | 926.79 | — |
| MW-1 | 939.2 | 6/17/2019 | 12.80 | 926.40 | — |
| | | 9/16/2019 | 13.90 | 925.30 | — |
| | - | 12/16/2019 | 11.89 | 927.31 | — |
| | | 3/19/2019 | 11.98 | 927.22 | — |
| MW-2 | 939.2 | 6/17/2019 | 12.06 | 927.14 | — |
| | - | 9/16/2019 | 13.67 | 925.53 | — |
| | | 12/16/2019 | 11.36 | 927.84 | — |
| | - | 3/19/2019 | 7.93 | 930.10 | — |
| MW-3 | 938.03 | 6/17/2019 | 10.24 | 927.79 | — |
| | | 9/16/2019 | | Well Dry | |
| | | 12/16/2019 | 7.59 | 930.44 | — |
| | | 3/19/2019 | 8.05 | 928.90 | — |
| MW-4 | 936.95 | 6/17/2019 | 9.14 | 927.81 | — |
| | | 9/16/2019 | 11.94 | 925.01 | — |
| | | 12/16/2019 | 8.02 | 928.93 | — |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|-----------------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 7.40 | 925.96 | |
| MW-5 | 933.36 | 6/17/2019 | 9.71 | 923.65 | |
| INI W-S | 955.50 | 9/16/2019 | 9.62 | 923.74 | — |
| | | 12/16/2019 | 6.91 | 926.45 | |
| | | 3/19/2019 | 12.39 | 924.50 | |
| | 026.90 | 6/17/2019 | 12.64 | 924.25 | |
| MW-7 | 936.89 | 9/16/2019 | 14.95 | 921.94 | |
| | | 12/16/2019 | 11.71 | 925.18 | |
| | | 3/19/2019 | 12.68 | 924.85 | |
| | 027.52 | 6/17/2019 | 13.13 | 924.40 | |
| MW-9 | 937.53 | 9/16/2019 | 15.25 | 922.28 | |
| | | 12/16/2019 | 12.18 | 925.35 | |
| | | 3/19/2019 | 11.96 | 926.38 | |
| MW-10 | 938.34 | 6/17/2019 | 12.39 | 925.95 | |
| MW-10 | 938.34 | 9/16/2019 | 14.33 | 924.01 | |
| | | 12/16/2019 | 11.45 | 926.89 | |
| | | 3/19/2019 | 12.53 | 926.67 | Light Trace |
| NAX 7 11 | 020.0 | 6/17/2019 | 13.98 | 925.22 | Light Trace |
| MW-11 | 939.2 | 9/16/2019 | 14.84 | 924.36 | Light Trace |
| | | 12/16/2019 | 12.10 | 927.10 | Heavy Trace |
| | | 3/19/2019 | 9.48 | 927.01 | |
| MW 12 | 026.40 | 6/17/2019 | 9.71 | 926.78 | |
| MW-13 | 936.49 | 9/16/2019 | 11.72 | 924.77 | |
| | | 12/16/2019 | 8.94 | 927.55 | — |
| | | 3/19/2019 | 11.37 | 925.43 | — |
| MW-14 | 026.9 | 6/17/2019 | 11.59 | 925.21 | |
| 1VI VV - 1 4 | 936.8 | 9/16/2019 | 13.61 | 923.19 | — |
| | | 12/16/2019 | 10.80 | 926.00 | |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|-----------|--|------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 13.09 | 920.23 | — |
| MW-15 | 933.32 | 6/17/2019 | 13.32 | 920.00 | |
| IVI W -13 | 955.52 | 9/16/2019 | 15.83 | 917.49 | — |
| | | 12/16/2019 | 12.47 | 920.85 | |
| | | 3/19/2019 | 14.11 | 926.57 | |
| MW 10 | 040.69 | 6/17/2019 | 14.41 | 926.27 | _ |
| MW-18 | 940.68 | 9/16/2019 | 16.28 | 924.40 | |
| | | 12/16/2019 | 13.51 | 927.17 | |
| | | 3/19/2019 | 12.13 | 924.82 | |
| MW 40 | 026.05 | 6/17/2019 | 12.23 | 924.72 | |
| MW-40 | 936.95 | 9/16/2019 | 14.57 | 922.38 | _ |
| | | 12/16/2019 | 11.31 | 925.64 | |
| | | 3/20/2019 | 9.61 | 924.82 | Heavy Trace |
| 2A-W-3 | 934.43 | 6/17/2019 | 10.18 | 924.25 | Light Trace |
| 2A-w-3 | 934.43 | 9/16/2019 | 13.62 | 920.81 | Light Trace |
| | | 12/16/2019 | 9.22 | 925.21 | Light Trace |
| | | 3/19/2019 | 12.99 | 926.48 | _ |
| 2 A 111 5 | 020.47 | 6/17/2019 | 13.26 | 926.21 | |
| 2A-W-5 | 939.47 | 9/16/2019 | 15.28 | 924.19 | |
| | | 12/16/2019 | 12.34 | 927.13 | |
| | | 3/19/2019 | 11.47 | 926.29 | |
| | 027.76 | 6/17/2019 | 11.59 | 926.17 | _ |
| 2A-W-7 | 937.76 | 9/16/2019 | 12.72 | 925.04 | |
| | | 12/16/2019 | 11.09 | 926.67 | — |
| | | 3/19/2019 | 10.59 | 925.99 | |
| 2A W 0 | 026.59 | 6/17/2019 | 10.93 | 925.65 | _ |
| 2A-W-9 | 936.58 | 9/16/2019 | 12.83 | 923.75 | — |
| | | 12/16/2019 | 10.09 | 926.49 | — |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|-----------------|--|----------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 10.11 | 927.82 | — |
| 2 A W 10 | 937.93 | 6/17/2019 | 10.63 | 927.30 | _ |
| 2A-W-10 | 937.95 | 9/16/2019 | 13.44 | 924.49 | _ |
| | | 12/16/2019 | 9.68 | 928.25 | — |
| | | 3/19/2019 | 2.71 | 928.32 | — |
| 2B-W-4 | 931.03 | 6/17/2019 | 2.95 | 928.08 | — |
| 2D-W-4 | 951.05 | 9/16/2019 | 5.41 | 925.62 | — |
| | | 12/18/2019 | 2.45 | 928.58 | — |
| | | Site-Wide Moni | toring Wells | | |
| | | 3/19/2019 | 9.36 | 919.71 | — |
| 1A-W-4 | 929.07 | 6/17/2019 | 9.32 | 919.75 | — |
| 1A-w-4 | 929.07 | 9/16/2019 | 10.29 | 918.78 | — |
| | | 12/16/2019 | NM | NM | — |
| 1B-W-2 | 935.81 | 3/19/2019 | 13.65 | 922.16 | — |
| 1 D- w-2 | 933.01 | 9/16/2019 | 14.78 | 921.03 | _ |
| | | 3/19/2019 | 13.81 | 922.63 | _ |
| 1C-W-1 | 936.44 | 6/17/2019 | 13.09 | 923.35 | — |
| 10-10-1 | 930.44 | 9/16/2019 | 14.84 | 921.60 | — |
| | | 12/18/2019 | 13.84 | 922.60 | — |
| 1C-W-3 | 933.56 | 3/19/2019 | 10.77 | 922.79 | — |
| 1C-w-3 | 955.50 | 9/16/2019 | 12.06 | 921.50 | _ |
| 1C-W-4 | 932.74 - | 3/19/2019 | 10.49 | 922.25 | _ |
| 10-11-4 | 932.14 | 9/16/2019 | 11.48 | 921.26 | — |
| | | 3/19/2019 | 14.95 | 927.67 | — |
| 2A-W-8 | 942.62 | 6/17/2019 | 14.99 | 927.63 | _ |
| 2A- W-0 | 942.02 | 9/16/2019 | 16.71 | 925.91 | |
| | | 12/16/2019 | 14.29 | 928.33 | — |

| Location | Measuring Point Elevation ¹ (feet NAVD88) | Date | Depth to Water ² (feet) | Water Elevation ¹ (feet NAVD88) | LNAPL Thickness (feet) |
|-------------------------|--|-------------------|---------------------------------------|---|---------------------------|
| | | 3/19/2019 | 13.20 | 920.12 | — |
| MW-16 | 933.32 | 6/17/2019 | 13.27 | 920.05 | |
| IVI W - 10 | 955.52 | 9/16/2019 | 14.85 | 918.47 | — |
| | - | 12/16/2019 | 12.82 | 920.50 | _ |
| MW-32 | 926.06 | 3/19/2019 | 9.27 | 916.79 | — |
| IVI VV -32 | 920.00 | 9/16/2019 | 10.65 | 915.41 | |
| | | 3/19/2019 | 4.73 | 917.83 | — |
| MW-38R | 922.56 | 6/17/2019 | 4.91 | 917.65 | |
| WIW-38K | 922.30 | 9/16/2019 | 6.03 | 916.53 | _ |
| | | 12/16/2019 | 4.59 | 917.97 | |
| | | 3/19/2019 | 8.19 | 924.42 | — |
| MW-47 | 932.61 | 6/17/2019 | 8.39 | 924.22 | — |
| IVI VV -4 / | | 9/16/2019 | 11.36 | 921.25 | |
| | | 12/16/2019 | 7.54 | 925.07 | _ |
| | 933.9 | 3/19/2019 | 15.20 | 918.70 | — |
| MW-48 | | 6/17/2019 | 9.96 | 923.94 | _ |
| IVI W -48 | 955.9 | 9/16/2019 | 12.76 | 921.14 | |
| | - | 12/16/2019 | 9.09 | 924.81 | _ |
| | | 3/19/2019 | 10.96 | 922.18 | |
| MW-49 | 933.14 | 6/17/2019 | 11.07 | 922.07 | _ |
| WIW-49 | 955.14 | 9/16/2019 | W | ell Buried Under Grave | • |
| | | 12/19/2019 | 10.66 | 922.48 | |
| | · | Surface Water Mor | nitoring Station | | |
| | | 3/19/2019 | 25.17 | 917.92 | |
| Skyleomich Divor Dridge | 943.09 | 6/17/2019 | 24.20 | 918.89 | — |
| Skykomish River Bridge | 943.09 | 9/16/2019 | 25.65 | 917.44 | — |
| | | 12/16/2019 | 24.69 | 918.40 | |

NOTES:

- denotes LNAPL was not observed.

¹Elevations referenced to North American Vertical Datum of 1988 (NAVD88).

²Depths referenced to measuring point (e.g., top of well casing, top of vault).

³Vault oil-water separator chamber is visually inspected for presence of LNAPL during

monitoring events. LNAPL thickness measured only if measurable LNAPL is present.

LNAPL = light nonaqueous-phase liquid NA = not applicable NM = not measured

| Well | Date | Temperature (degrees Celsius) | pH (Standard Units) | Dissolved Oxygen (milligrams per liter) | Oxidation-Reduction Potential (millivolts) | Specific Conductivity (mS/cm) | Turbidity (NTU) |
|----------------|------------|----------------------------------|------------------------|--|--|----------------------------------|--------------------|
| | | | Levee Zon | e Monitoring Wells | | | |
| | 3/20/2019 | 6.36 | 6.48 | 5.94 | 69.5 | 0.052 | |
| 5 XX 14 | 6/19/2019 | 8.2 | 6.24 | 6.15 | 209.0 | 0.090 | 15.41 |
| 5-W-14 | 9/17/2019 | 9.6 | 6.20 | 5.33 | 192.8 | 0.081 | |
| | 12/17/2019 | 7.2 | 6.31 | 6.78 | 5.5 | 0.094 | 0.27 |
| | 3/20/2019 | 4.69 | 6.85 | 10.24 | 44.6 | 0.044 | |
| 5 W 16 | 6/19/2019 | 11.4 | 6.60 | 8.03 | 233.8 | 0.062 | 36.27 |
| 5-W-16 | 9/17/2019 | 12.6 | 6.59 | 6.00 | 247.5 | 0.082 | 3.76 |
| | 12/17/2019 | 5.7 | 6.63 | 9.09 | 8.2 | 0.124 | 11.98 |
| | 3/20/2019 | 7.21 | 6.44 | 5.27 | 85.1 | 0.055 | |
| 5-W-17 | 6/19/2019 | 8.4 | 6.14 | 6.69 | 238.7 | 0.073 | 13.57 |
| 5-W-17 | 9/17/2019 | 9.5 | 6.35 | 5.06 | 176.9 | 0.077 | |
| | 12/17/2019 | 6.8 | 6.30 | 7.04 | -3.7 | 0.093 | 1.01 |
| | 3/20/2019 | 5.25 | 6.54 | 4.56 | 25.2 | 0.059 | |
| 5 W 10 | 6/19/2019 | 8.8 | 6.00 | 4.80 | 234.0 | 0.098 | 4.75 |
| 5-W-18 | 9/17/2019 | 10.2 | 6.40 | 3.58 | 231.6 | 0.098 | 1.99 |
| | 12/17/2019 | 8.0 | 6.44 | 3.41 | 127.7 | 0.100 | |
| | 3/20/2019 | 6.94 | 6.60 | 6.88 | 30.1 | 0.073 | |
| 5-W-19 | 6/18/2019 | 8.9 | 6.31 | 7.27 | 223.9 | 0.080 | 6.10 |
| 3-w-19 | 9/17/2019 | 9.6 | 6.71 | 5.31 | 153.9 | 0.078 | |
| | 12/17/2019 | 6.6 | 6.46 | 4.94 | 123.7 | 0.075 | |
| | - | - | Schoolyar | d Monitoring Wells | | | |
| | 3/20/2019 | 6.60 | 6.22 | 0.58 | 72.4 | 0.063 | |
| | 6/19/2019 | 9.2 | 5.97 | 0.76 | 82.8 | 0.095 | 5.50 |
| 5-W-51 | 9/17/2019 | 11.2 | 6.06 | 0.35 | 57.5 | 0.089 | 2.30 |
| | 12/18/2019 | 8.3 | 6.06 | 3.51 | -194.2 | 0.123 | 0.94 |
| | 3/20/2019 | 6.70 | 6.05 | 3.81 | 121.4 | 0.088 | |
| | 6/19/2019 | 12.1 | 5.85 | 1.25 | 164.1 | 0.129 | 5.13 |
| 5-W-55 | 9/17/2019 | 14.8 | 5.90 | 2.69 | 165.0 | 0.111 | |
| | 12/17/2019 | 8.9 | 6.04 | 3.37 | 146.6 | 0.161 | |
| | 3/20/2019 | 11.0 | 6.61 | 1.02 | 133.3 | 0.533 | |
| | 6/19/2019 | 14.2 | 6.34 | 0.91 | -71.7 | 0.843 | 11.39 |
| 5-W-56 | 9/17/2019 | 15.8 | 6.42 | 0.93 | 114.8 | 0.847 | 6.51 |
| | 12/17/2019 | 11.6 | 6.14 | 2.83 | -100.5 | 0.295 | |

| Well | Date | Temperature (degrees Celsius) | pH (Standard Units) | Dissolved Oxygen (milligrams per liter) | Oxidation-Reduction Potential (millivolts) | Specific Conductivity (mS/cm) | Turbidity (NTU) |
|---------|------------|----------------------------------|------------------------|--|--|----------------------------------|--------------------|
| | | Hydra | ulic Control and Co | ntainment System Moni | toring Wells | | |
| | 3/19/2019 | 5.70 | 6.26 | 3.25 | 45.9 | 0.067 | |
| GW-1 | 6/18/2019 | 10.3 | 5.99 | 1.34 | 113.4 | 0.109 | 3.81 |
| Gw-I | 9/19/2019 | 11.6 | 6.11 | 2.03 | 170.7 | 0.082 | |
| | 12/18/2019 | 9.2 | 6.34 | 0.64 | 139.8 | 0.132 | |
| | 3/19/2019 | 7.9 | 5.93 | 7.30 | 289.4 | 0.047 | 11.5 |
| CW 2 | 6/18/2019 | 10.6 | 6.19 | 1.17 | 138.1 | 0.085 | 77.06 |
| GW-2 | 9/19/2019 | 12.0 | 5.89 | 4.94 | 91.4 | 0.115 | 7.6 |
| | 12/18/2019 | 8.8 | 6.23 | 0.16 | 85.5 | 0.098 | |
| | 3/20/2019 | 12.4 | 6.20 | 6.13 | 215.8 | 0.091 | 7.32 |
| GW-3 | 6/18/2019 | 12.1 | 5.79 | 3.06 | 143.7 | 0.083 | 41.4 |
| GW-3 | 9/18/2019 | 12.4 | 5.85 | 6.21 | 116.4 | 0.088 | |
| | 12/19/2019 | 7.4 | 5.82 | 5.00 | 126.1 | 0.103 | |
| | 3/21/2019 | 7.13 | 6.16 | 3.71 | 151.1 | 0.086 | |
| | 6/19/2019 | 8.8 | 6.28 | 3.62 | 130.0 | 0.096 | 34.7 |
| GW-4 | 9/17/2019 | 9.4 | 5.93 | 7.68 | 167.1 | 0.072 | |
| | 12/18/2019 | 8.4 | 6.23 | 5.42 | -107.8 | 0.124 | 1.24 |
| | 3/19/2019 | 7.7 | 6.16 | 3.53 | 247.8 | 0.072 | 3.86 |
| | 6/18/2019 | 8.3 | 5.88 | 2.40 | 228.5 | 0.074 | 3.10 |
| EW-1 | 9/19/2019 | 10.0 | 6.00 | 0.80 | 240.9 | 0.069 | 2.52 |
| | 12/18/2019 | 9.5 | 6.11 | 0.99 | 242.2 | 0.086 | |
| | 3/21/2019 | 6.1 | 6.01 | IE | 261.6 | 0.056 | 4.71 |
| | 6/19/2019 | 9.7 | 5.78 | 5.71 | 190.0 | 0.050 | 37.2 |
| EW-2A | 9/17/2019 | 9.1 | 5.82 | IE | 142.4 | 0.061 | 17.6 |
| | 12/17/2019 | 8.4 | 6.00 | 4.52 | 266.0 | 0.058 | |
| | 3/19/2019 | 7.5 | 5.89 | 6.01 | 290.1 | 0.077 | 5.20 |
| | 6/18/2019 | 8.9 | 5.87 | 2.67 | 209.1 | 0.077 | 3.78 |
| 5-W-43 | 9/19/2019 | 10.7 | 5.89 | 1.79 | 243.6 | 0.087 | 3.17 |
| | 12/18/2019 | 8.9 | 6.14 | 1.68 | 244.7 | 0.088 | |
| | 3/20/2019 | 7.40 | 6.41 | 8.92 | 105.5 | 0.046 | |
| | 6/18/2019 | , | | | Sampled | | |
| 2A-W-40 | 9/17/2019 | 11.2 | 7.20 | 7.86 | 158.6 | 0.058 | 2.98 |
| | 12/17/2019 | 8.5 | 6.64 | 5.56 | 255.7 | 0.058 | |

| Well | Date | Temperature (degrees Celsius) | pH (Standard Units) | Dissolved Oxygen (milligrams per liter) | Oxidation-Reduction Potential (millivolts) | Specific Conductivity (mS/cm) | Turbidity (NTU) |
|------------------|------------|----------------------------------|------------------------|--|--|----------------------------------|--------------------|
| | 3/20/2019 | 9.87 | 6.46 | 2.42 | 14.6 | 0.171 | |
| 2A-W-41 | 6/18/2019 | 11.9 | 6.19 | 4.86 | 25.7 | 0.146 | 35.7 |
| 2A-w-41 | 9/18/2019 | 11.4 | 6.23 | 6.46 | 30.3 | 0.156 | 11.2 |
| | 12/17/2019 | 9.4 | 6.42 | 0.49 | -17.2 | 0.180 | |
| | 3/20/2019 | 13.20 | 6.13 | 10.01 | 171.2 | 0.072 | |
| 1B-W-23 | 6/18/2019 | 14.4 | 6.10 | 8.88 | 165.4 | 0.093 | 190.0 |
| 1 D -w-25 | 9/18/2019 | 15.8 | 5.97 | 8.07 | 188.4 | 0.088 | 143.3 |
| | 12/17/2019 | 8.9 | 5.95 | 5.76 | 242.0 | 0.071 | |
| | 3/21/2019 | 7.8 | 5.89 | IE | 281.1 | 0.150 | 4.50 |
| 2A-W-42 | 6/18/2019 | 10.3 | 5.85 | 1.62 | 121.3 | 0.143 | 56.7 |
| 2A-w-42 | 9/18/2019 | 10.9 | 5.84 | 6.58 | 162.5 | 0.137 | 18.5 |
| | 12/18/2019 | 9.1 | 5.98 | 3.23 | 200.0 | 0.157 | |
| | | | Former Air Spar | ge Area Monitoring We | lls | | |
| | 3/21/2019 | 8.02 | 6.75 | 3.10 | 69.3 | 0.092 | |
| 1B-W-3 | 6/19/2019 | 10.1 | 6.63 | 1.86 | 89.2 | 0.136 | 35.5 |
| 1B-W-3 | 9/18/2019 | 10.7 | 5.92 | 3.00 | 171.8 | 0.110 | |
| | 12/18/2019 | 8.6 | 6.33 | 4.02 | -135.1 | 0.183 | 3.33 |
| | 3/21/2019 | 7.41 | 5.87 | 4.01 | 162.9 | 0.075 | |
| 1C-W-7 | 6/19/2019 | 9.8 | 5.96 | 4.00 | 166.9 | 0.077 | 46.3 |
| IC-w-/ | 9/17/2019 | 12.4 | 5.96 | 5.32 | 166.2 | 0.109 | 23.2 |
| | 12/18/2019 | 8.1 | 5.90 | 5.06 | 238.0 | 0.091 | |
| | 3/21/2019 | 7.9 | 6.03 | 1.31 | 275.5 | 0.099 | 6.13 |
| 1C-W-8 | 6/19/2019 | 8.5 | 5.93 | 6.12 | 117.8 | 0.103 | 42.0 |
| IC-W-0 | 9/17/2019 | 10.6 | 5.8 | 7.21 | 120.2 | 0.153 | 8.1 |
| | 12/18/2019 | 8.7 | 5.96 | 6.51 | 250.7 | 0.082 | |
| | | | Former Maloney C | reek Zone Monitoring V | Vells | | |
| | 3/21/2019 | 3.50 | 6.05 | 6.67 | 100.4 | 0.083 | |
| | 6/19/2019 | 8.4 | 5.92 | 0.75 | 64.2 | 0.161 | 43.0 |
| MW-3 | 9/19/2019 | | • | W | ell Dry | | |
| | 12/19/2019 | 7.1 | 5.93 | 4.40 | -51.7 | 0.224 | 1.99 |
| | 3/21/2019 | 3.29 | 5.92 | 8.61 | 47.9 | 0.050 | |
| MW-4 | 6/19/2019 | 8.9 | 5.67 | 0.93 | 125.1 | 0.065 | 35.0 |
| IVI W-4 | 9/18/2019 | 10.9 | 5.68 | 0.32 | 88.1 | 0.068 | 4.03 |
| | 12/19/2019 | 4.8 | 5.60 | 4.34 | -17.3 | 0.129 | 0.23 |

| Well | Date | Temperature (degrees Celsius) | pH (Standard Units) | Dissolved Oxygen (milligrams per liter) | Oxidation-Reduction Potential (millivolts) | Specific Conductivity (mS/cm) | Turbidity (NTU) |
|--------------|------------|----------------------------------|------------------------|--|--|----------------------------------|--------------------|
| | 3/21/2019 | 4.85 | 6.01 | 0.29 | 99.0 | 0.051 | |
| | 6/19/2019 | 8.0 | 5.85 | 0.72 | 87.6 | 0.053 | 4.22 |
| 2A-W-9 | 9/18/2019 | 11.9 | 5.92 | 1.93 | 112.4 | 0.068 | |
| | 12/18/2019 | 8.2 | 5.93 | 2.86 | -145.1 | 0.079 | 3.30 |
| | 3/21/2019 | 2.04 | 5.70 | 4.56 | 23.8 | 0.050 | |
| 2 A 11/10 | 6/19/2019 | 8.7 | 5.82 | 0.65 | 215.7 | 0.050 | 3.79 |
| 2A-W-10 | 9/18/2019 | 11.1 | 5.29 | 2.17 | 164.2 | 0.078 | |
| | 12/18/2019 | 6.2 | 5.44 | 3.07 | 213.3 | 0.103 | |
| | 3/21/2019 | 3.14 | 6.20 | 8.78 | 96.9 | 0.057 | |
| | 6/19/2019 | 8.5 | 6.07 | 4.43 | 319.9 | 0.049 | 3.67 |
| 2B-W-4 | 9/18/2019 | 13.6 | 5.94 | 3.2 | 244.3 | 0.12 | 2.42 |
| | 12/19/2019 | 7.1 | 6.26 | 4.58 | 238.8 | 0.057 | |
| | • | - | Site-Wide | e Monitoring Wells | • | | |
| 1 4 337 4 | 3/20/2019 | 8.8 | 6.72 | 2.83 | 241.9 | 0.088 | 41.29 |
| 1A-W-4 | 9/18/2019 | 9.6 | 6.36 | 9.12 | 190 | 0.079 | 152.7 |
| 1B-W-2 | 3/21/2019 | 7.11 | 6.27 | 7.99 | 133.0 | 0.16 | |
| 1B-W-2 | 9/18/2019 | 13.2 | 5.88 | 2.05 | 168.7 | 0.239 | |
| | 3/21/2019 | 7.48 | 5.63 | 6.75 | 177.2 | 0.053 | |
| 1C-W-1 | 6/19/2019 | 9.9 | 5.84 | 6.00 | 148.5 | 0.055 | 34.6 |
| IC-W-1 | 9/17/2019 | 11.9 | 5.84 | 7.68 | 155.3 | 0.066 | 38.6 |
| | 12/18/2019 | 8.6 | 5.90 | 6.54 | 246.3 | 0.072 | |
| 1C-W-3 | 3/21/2019 | 7.25 | 5.49 | 8.73 | 196.0 | 0.060 | |
| IC-w-5 | 9/17/2019 | 13.8 | 6.18 | 4.75 | 144.5 | 0.095 | 66.85 |
| 1C-W-4 | 3/21/2019 | 7.9 | 5.99 | 7.69 | 261.7 | 0.081 | 5.24 |
| IC-W-4 | 9/17/2019 | 10.6 | 5.85 | 6.45 | 158 | 0.068 | 35.3 |
| MW-16 | 3/21/2019 | 6.18 | 5.91 | 7.65 | 70.1 | 0.038 | |
| IVI VV - 1 O | 9/18/2019 | 11.4 | 5.82 | 1.9 | 230 | 0.073 | 5.86 |
| MW-38R | 3/20/2019 | 7.24 | 6.70 | 12.84 | 36.8 | 0.038 | |
| WIW-38K | 9/17/2019 | 10.9 | 5.81 | 2.09 | 177 | 0.087 | |

NOTES:

IE = instrument error

mS/cm = milliSiemens per centimeter

NTU = nephelometric turbidity units

--- = parameter not recorded

Turbidity values of 0.0 NTU replace turbidity values recorded in the field as

negative, an indication of turbidity meter calibration error.

Table 6 2019 Total Petroleum Hydrocarbon Concentrations in Groundwater BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067

| | | | | DRO $(\mu g/l)^1$ | | | ORO $(\mu g/l)^1$ | | Calculated |
|---------------|------------|--------------------------|----------------|-------------------|------------------|-----------------|--------------------------|-----|---------------------------------|
| Well | Date | Sample Identification | Result | MDL | MRL | Result | MDL | MRL | NWTPH-Dx ² (µg/l) |
| | | Levee Zo | one Monitoring | Wells: NWTPH | -Dx results com | pared to the CU | $UL = 208 \ \mu g/l$ | | |
| | 3/20/2019 | 5-W-14-032019 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 5-W-14 | 6/19/2019 | 5-W-14-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| J- W-14 | 9/17/2019 | 5-W-14-091719 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| | 12/17/2019 | 5-W-14-121719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 3/20/2019 | 5-W-16-032019 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 5-W-16 | 6/19/2019 | 5-W-16-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| J-W-10 | 9/17/2019 | 5-W-16-091719 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 1 | 12/17/2019 | 5-W-16-121719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 3/20/2019 | 5-W-17-032019 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 5-W-17 | 6/19/2019 | 5-W-17-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 3-w-17 | 9/17/2019 | 5-W-17-091719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/17/2019 | 5-W-17-121719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 3/20/2019 | 5-W-18-032019 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 5 W 10 | 6/19/2019 | 5-W-18-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 5-W-18 | 9/17/2019 | 5-W-18-091719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/17/2019 | 5-W-18-121719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 3/20/2019 | 5-W-19-032019 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 5-W-19 | 6/18/2019 | 5-W-19-061819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 5-w-19 | 9/17/2019 | 5-W-19-091719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/17/2019 | 5-W-19-121719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | | Schooly | ard Monitoring | g Wells: NWTPI | I-Dx results con | npared to the R | L = 477 μg/l | | |
| | 3/20/2019 | 5-W-51-032019 | 490 | 62 | 62 | 340 | 91 | 91 | 830 |
| 5-W-51 | 6/19/2019 | 5-W-51-061919 | 390 | 62 | 62 | 350 | 91 | 91 | 740 |
| 5-11-51 | 9/17/2019 | 5-W-51-091719 | 480 J | 62 | 62 | 620 | 91 | 91 | 1,100 |
| | 12/18/2019 | 5-W-51-121819 | 420 | 62 | 62 | 330 | 91 | 91 | 750 |
| | 3/20/2019 | 5-W-55-032019 | 82 | 62 | 62 | < 92 | 92 | 92 | 128 |
| 5-W-55 | 6/19/2019 | 5-W-55-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| J- VV -JJ | 9/17/2019 | 5-W-55-091719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/17/2019 | 5-W-55-121719 | 100 | 62 | 62 | 130 | 91 | 91 | 230 |

Table 6 2019 Total Petroleum Hydrocarbon Concentrations in Groundwater BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067

| | | | | DRO $(\mu g/l)^1$ | | | ORO $(\mu g/l)^1$ | | Calculated |
|--------|------------|--------------------------|------------------|-------------------|-------------------|------------------|--------------------------|----------|---------------------------------|
| Well | Date | Sample Identification | Result | MDL | MRL | Result | MDL | MRL | NWTPH-Dx ² (µg/l) |
| | 3/20/2019 | 5-W-56-032019 | 790 | 62 | 62 | 1,000 | 91 | 91 | 1,790 |
| 5-W-56 | 6/19/2019 | 5-W-56-061919 | 810 | 62 | 62 | 1,500 | 92 | 92 | 2,310 |
| 5-W-50 | 9/17/2019 | 5-W-56-091719 | 890 | 62 | 62 | 710 | 92 | 92 | 1,600 |
| | 12/17/2019 | 5-W-56-121719 | 450 | 62 | 62 | 1,300 | 91 | 91 | 1,750 |
| | | Hydrau | ilic Control and | l Containment S | System Sentry W | Vells and Monit | oring Wells | | |
| | L | ocations Within and | South of the H | CC Barrier Wa | ll (within Railya | rd): No target I | NWTPH-Dx conce | ntration | |
| S1-AD | 3/21/2019 | S1-AD-032119 | < 64 | 64 | 64 | < 95 | 95 | 95 | < 80 |
| SI-AD | 9/19/2019 | S1-AD-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S1-AU | 3/21/2019 | S1-AU-032119 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 31-AU | 9/19/2019 | S1-AU-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S1-BD | 3/21/2019 | S1-BD-032119 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 31-DD | 9/19/2019 | S1-BD-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S1-BU | 3/21/2019 | S1-BU-032119 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| SI-BU | 9/19/2019 | S1-BU-091919 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| 62 A D | 3/19/2019 | S2-AD-031919 | < 63 | 63 | 63 | < 93 | 93 | 93 | < 78 |
| S2-AD | 9/19/2019 | S2-AD-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S2-AU | 3/19/2019 | S2-AU-031919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 52-AU | 9/19/2019 | S2-AU-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S2-BD | 3/19/2019 | S2-BD-031919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 52-DD | 9/19/2019 | S2-BD-091919 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| S2-BU | 3/19/2019 | S2-BU-031919 | 250 | 62 | 62 | 120 | 91 | 91 | 370 |
| 32-BU | 9/19/2019 | S2-BU-091919 | 420 | 62 | 62 | 200 | 91 | 91 | 620 |
| S3-AD | 3/22/2019 | S3-AD-032219 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 55-AD | 9/18/2019 | S3-AD-091819 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| S3-AU | 3/22/2019 | S3-AU-032219 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 33-AU | 9/17/2019 | S3-AU-091719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S3-BD | 3/22/2019 | S3-BD-032219 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 22-20 | 9/18/2019 | S3-BD-091819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S2 DU | 3/22/2019 | S3-BU-032219 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S3-BU | 9/18/2019 | S3-BU-091819 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |

Table 62019 Total Petroleum Hydrocarbon Concentrations in Groundwater
BNSF Former Maintenance and Fueling Facility
Skykomish, Washington
Farallon PN: 683-067

| | | | | DRO $(\mu g/l)^1$ | | | ORO $(\mu g/l)^1$ | | Calculated |
|-------|------------|--------------------------|---------------|-------------------|--------------|-----------------|--------------------------|-----|---------------------------------|
| Well | Date | Sample Identification | Result | MDL | MRL | Result | MDL | MRL | NWTPH-Dx ² (µg/l) |
| S3-CD | 3/22/2019 | S3-CD-0322219 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 33-CD | 9/18/2019 | S3-CD-091819 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| S3-CU | 3/22/2019 | S3-CU-032219 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 33-00 | 9/18/2019 | S3-CU-091819 | < 63 | 63 | 63 | < 93 | 93 | 93 | < 78 |
| S4-AD | 3/22/2019 | S4-AD-032219 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 54-AD | 9/18/2019 | S4-AD-091819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| C4 AT | 3/22/2019 | S4-AU-032219 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S4-AU | 9/18/2019 | S4-AU-091819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S4-BD | 3/22/2019 | S4-BD-032219 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 54-BD | 9/18/2019 | S4-BD-091819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| S4-BU | 3/22/2019 | S4-BU-032219 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| 34-DU | 9/18/2019 | S4-BU-091819 | < 62 | 62 | 62 | 670 | 92 | 92 | 701 |
| S4-CD | 3/22/2019 | S4-CD-032219 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 54-CD | 9/18/2019 | S4-CD-091819 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| S4 CU | 3/22/2019 | S4-CU-032219 | 93 | 62 | 62 | < 91 | 91 | 91 | 139 |
| S4-CU | 9/18/2019 | S4-CU-091819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | | Locations Nor | th of the HCC | Barrier Wall: N | WTPH-Dx resu | lts compared to | the RL = $477 \ \mu g/l$ | | |
| | 3/19/2019 | GW-1-031919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| GW-1 | 6/18/2019 | GW-1-061819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| Gw-1 | 9/19/2019 | GW-1-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/18/2019 | GW-1-121819 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| | 3/19/2019 | GW-2-031919 | < 62 | 62 | 62 | 110 | 91 | 91 | 141 |
| GW-2 | 6/18/2019 | GW-2-061819 | < 63 | 63 | 63 | < 93 | 93 | 93 | < 78 |
| GW-2 | 9/19/2019 | GW-2-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/18/2019 | GW-2-121819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |

Table 62019 Total Petroleum Hydrocarbon Concentrations in Groundwater
BNSF Former Maintenance and Fueling Facility
Skykomish, Washington
Farallon PN: 683-067

| | | | | DRO $(\mu g/l)^1$ | | | $ORO (\mu g/l)^1$ | | Calculated |
|----------|------------|--------------------------|--------------------------------|--------------------------|----------------|---------------------------|-------------------|----------|---|
| Well | Date | Sample Identification | Result | MDL | MRL | Result | MDL | MRL | NWTPH-Dx ² (µg/l) |
| | 3/20/2019 | GW-3-032019 | < 61 < 61 ³ | 61 61 | 61 61 | < 91 < 91 ³ | 91 91 | 91 91 | < 76 < 76 ³ |
| | 6/18/2019 | GW-3-061819 | $\frac{< 61}{180}$ < 63^3 | 63 63 | 63 63 | $\frac{150}{< 92^3}$ | 92 92 | 92 92 | $330 < 78^3$ |
| GW-3 | 9/18/2019 | GW-3-091819 | $< 62 < 62^3$ | 62 62 | 62 62 | < 92 150 $< 91^3$ | 91 91 | 91 91 | |
| | 12/19/2019 | GW-3-121919 | $91 < 62^3$ | 62 62 62 | 62 62 62 | <92<92 ³ | 92 92 | 92 92 | $ \begin{array}{r} \hline 137 \\ < 77^3 \end{array} $ |
| | 3/21/2019 | GW-4-032119 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 6/19/2019 | GW-4-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| GW-4 | 9/17/2019 | GW-4-091719 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/18/2019 | GW-4-121819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 3/19/2019 | EW-1-031919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| EW-1 | 6/18/2019 | EW-1-061819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| EW-1 | 9/19/2019 | EW-1-091919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/18/2019 | EW-1-121819 | < 63 | 63 | 63 | < 93 | 93 | 93 | < 78 |
| | 3/21/2019 | EW-2A-032119 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| EW-2A | 6/19/2019 | EW-2A-061919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| EW-2A | 9/17/2019 | EW-2A-091719 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| | 12/17/2019 | EW-2A-121719 | < 63 | 63 | 63 | < 94 | 94 | 94 | < 79 |
| | 3/19/2019 | 5-W-43-031919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 5-W-43 | 6/18/2019 | S-W-43-061819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 5- W-45 | 9/19/2019 | 5-W-43-091919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| | 12/18/2019 | 5-W-43-121819 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| | 3/20/2019 | 2A-W-40-032019 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 2A-W-40 | 6/18/2019 | | | | N | ot Sampled | | | |
| 2m- W-40 | 9/17/2019 | 2A-W-40-091719 | < 61 | 61 | 61 | < 90 | 90 | 90 | < 76 |
| | 12/17/2019 | 2A-W-40-121719 | < 63 | 63 | 63 | < 94 | 94 | 94 | < 79 |

Table 62019 Total Petroleum Hydrocarbon Concentrations in Groundwater
BNSF Former Maintenance and Fueling Facility
Skykomish, Washington
Farallon PN: 683-067

| | | | | DRO $(\mu g/l)^1$ | | | ORO $(\mu g/l)^1$ | | Calculated |
|-----------------|------------|--------------------------|-------------------------|-------------------|--------------|-------------------|--------------------------|----------|---------------------------------|
| Well | Date | Sample Identification | Result | MDL | MRL | Result | MDL | MRL | NWTPH-Dx ² (µg/l) |
| | 3/20/2019 | 2A-W-41-032019 | 430 | 62 | 62 | 260 | 91 | 91 | 690 |
| | 5/20/2017 | 211 11 11 052017 | 84 ³ | 62 | 62 | < 91 ³ | 91 | 91 | 130 ³ |
| A A W A | 6/18/2019 | 2A-W-41-061819 | $280 < 62^3$ | 62 62 | 62 62 | $230 < 92^3$ | 92 92 | 92 92 | 510 < 77 ³ |
| 2A-W-41 | 9/18/2019 | 2A-W-41-091819 | < 61 85 ³ | 61 61 | 61 61 | $230 < 91^3$ | 91 91 | 91 91 | 261 131 ³ |
| | 12/17/2019 | 2A-W-41-121719 | 310 98 ³ | 62 62 | 62 62 | $280 < 92^3$ | 92 92 | 92 92 | 590 144 ³ |
| | 3/20/2019 | 1B-W-23-032019 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| | 6/18/2019 | 1B-W-23-061819 | < 63 | 63 | 63 | < 93 | 93 | 93 | < 78 |
| 1B-W-23 | 9/18/2019 | 1B-W-23-091819 | < 61 | 61 | 61 | 120 | 91 | 91 | 151 |
| | 12/17/2019 | 1B-W-23-121719 | < 64 | 64 | 64 | < 95 | 95 | 95 | < 80 |
| | 3/21/2019 | 2A-W-42-032119 | 120 | 62 | 62 | 110 | 91 | 91 | 230 |
| 2 A 11/ 42 | 6/18/2019 | 2A-W-42-061819 | 160 | 62 | 62 | 160 | 91 | 91 | 320 |
| 2A-W-42 | 9/18/2019 | 2A-W-42-091819 | < 62 | 62 | 62 | 110 | 91 | 91 | 141 |
| | 12/18/2019 | 2A-W-42-121819 | 150 | 62 | 62 | 130 | 91 | 91 | 280 |
| | | Former Air Sp | arge Area Mon | itoring Wells: N | WTPH-Dx resu | ilts compared to | o the RL = 477 µg/ | l | |
| | 3/21/2019 | 1B-W-3-032119 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 1B-W-3 | 6/19/2019 | 1B-W-3-161919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 1 D -W-3 | 9/18/2019 | 1B-W-3-091819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 12/18/2019 | 1B-W-3-121819 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| | 3/21/2019 | 1C-W-7-032119 | 96 | 62 | 62 | 100 | 91 | 91 | 196 |
| 1C-W-7 | 6/19/2019 | 1C-W-7-061919 | 74 | 62 | 62 | 100 | 91 | 91 | 174 |
| IC-w-7 | 9/17/2019 | 1C-W-7-091719 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| | 12/18/2019 | 1C-W-7-121819 | 120 | 61 | 61 | 140 | 91 | 91 | 260 |
| | 3/21/2019 | 1C-W-8-032119 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| 1C-W-8 | 6/19/2019 | 1C-W-8-061919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 10-14-0 | 9/17/2019 | 1C-W-8-091719 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| | 12/18/2019 | 1C-W-8-121819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |

Table 6 2019 Total Petroleum Hydrocarbon Concentrations in Groundwater BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067

| | | | | DRO $(\mu g/l)^1$ | | | ORO $(\mu g/l)^1$ | | Calculated |
|------------|------------|--------------------------|--------------|-------------------|------------------|----------------|--------------------------|-------|---------------------------------|
| Well | Date | Sample Identification | Result | MDL | MRL | Result | MDL | MRL | NWTPH-Dx ² (µg/l) |
| | | Former Maloney C | reek Zone Mo | nitoring Wells (| vithin Railyard) | : No target NW | TPH-Dx concentra | ation | |
| | 3/21/2019 | MW-3-032119 | 720 | 62 | 62 | 1,900 | 92 | 92 | 2,620 |
| MW-3 | 6/19/2019 | MW-3-061919 | 330 | 62 | 62 | 740 | 91 | 91 | 1,070 |
| 101 00 -5 | 9/18/2019 | | | | | Well Dry | | | |
| | 12/19/2019 | MW-3-121919 | 770 | 62 | 62 | 1,800 | 92 | 92 | 2,570 |
| | 3/21/2019 | MW-4-032119 | 120 | 62 | 62 | 290 | 91 | 91 | 410 |
| MW-4 | 6/19/2019 | MW-4-061919 | 63 | 62 | 62 | < 91 | 91 | 91 | 109 |
| 101 00 -4 | 9/18/2019 | MW-4-091819 | < 62 | 62 | 62 | 110 | 92 | 92 | 141 |
| | 12/19/2019 | MW-4-121919 | 160 | 62 | 62 | 440 | 91 | 91 | 600 |
| | 3/21/2019 | 2A-W-9-032119 | 240 | 62 | 62 | 190 | 92 | 92 | 430 |
| 2A-W-9 | 6/19/2019 | 2A-W-9-061919 | 100 | 62 | 62 | 120 | 91 | 91 | 220 |
| 2A-w-9 | 9/18/2019 | 2A-W-9-091819 | < 62 | 62 | 62 | 130 | 91 | 91 | 161 |
| | 12/18/2019 | 2A-W-9-121819 | 180 | 61 | 61 | < 91 | 91 | 91 | 226 |
| | 3/21/2019 | 2A-W-10-032119 | 120 | 62 | 62 | 320 | 91 | 91 | 440 |
| 2 A 337 10 | 6/19/2019 | 2A-W-10-061919 | < 62 | 62 | 62 | 190 | 91 | 91 | 221 |
| 2A-W-10 | 9/18/2019 | 2A-W-10-091819 | < 61 | 61 | 61 | 98 | 91 | 91 | 129 |
| | 12/18/2019 | 2A-W-10-121819 | 140 | 62 | 62 | 410 | 91 | 91 | 550 |
| | 3/21/2019 | 2B-W-4-032119 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| | 6/19/2019 | 2B-W-4-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 2B-W-4 | 9/18/2019 | 2B-W-4-091819 | < 63 | 63 | 63 | < 93 | 93 | 93 | < 78 |
| | 12/19/2019 | 2B-W-4-121919 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| | | | | | Ionitoring Wells | | | | |
| | | | | Railyard: NWTI | 1 | | | | - |
| 1A-W-4 | 3/20/2019 | 1A-W-4-032019 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| | 9/18/2019 | 1A-W-4-091819 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 1B-W-2 | 3/21/2019 | 1B-W-2-032119 | < 63 | 63 | 63 | < 93 | 93 | 93 | < 78 |
| | 9/18/2019 | 1B-W-2-091819 | < 62 | 62 | 62 | 95 | 91 | 91 | 126 |

Table 6 2019 Total Petroleum Hydrocarbon Concentrations in Groundwater BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067

| | | | DRO (µg/l) ¹ ORO (µg/l) ¹ | | | | | Calculated | |
|------------|------------|--------------------------|---|-------------------|---------------|---------------|--------|------------|---------------------------------|
| Well | Date | Sample Identification | Result | MDL | MRL | Result | MDL | MRL | NWTPH-Dx ² (µg/l) |
| | 3/21/2019 | 1C-W-1-032119 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| 1C-W-1 | 6/19/2019 | 1C-W-1-061919 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 1C-w-1 | 9/17/2019 | 1C-W-1-091719 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| | 12/18/2019 | 1C-W-1-121819 | < 63 | 63 | 63 | < 92 | 92 | 92 | < 78 |
| 1C-W-3 | 3/21/2019 | 1C-W-3-032119 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| IC-w-5 | 9/17/2019 | 1C-W-3-091719 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| 1C-W-4 | 3/21/2019 | 1C-W-4-032119 | 95 | 62 | 62 | < 91 | 91 | 91 | 141 |
| IC-W-4 | 9/17/2019 | 1C-W-4-091719 | < 61 | 61 | 61 | < 91 | 91 | 91 | < 76 |
| MW-38R | 3/20/2019 | MW-38R-032019 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |
| WI W-38K | 9/17/2019 | MW-38R-091719 | < 62 | 62 | 62 | 120 | 91 | 91 | 151 |
| | | L | ocations Within | n the Railyard: 1 | No target NWT | PH-Dx concent | ration | | |
| MW-16 | 3/21/2019 | MW-16-032119 | < 62 | 62 | 62 | < 91 | 91 | 91 | < 77 |
| 101 00 -10 | 9/18/2019 | MW-16-091819 | < 62 | 62 | 62 | < 92 | 92 | 92 | < 77 |

NOTES:

Results in **bold** denote concentrations exceeding the 208 μ g/l NWTPH-Dx cleanup level (Levee Zone wells) or the 477 μ g/l NWTPH-Dx remediation level (wells outside the Levee Zone and between the BNSF railyard and the Skykomish River).

< denotes analyte not detected at or exceeding the reported concentration.

¹Analyzed by Washington State Department of Ecology (Ecology) Method NWTPH-Dx without silica gel cleanup unless otherwise noted.

²Sum of DRO and ORO, using half the MDL for non-detect results.

³Sample analyzed by Ecology Method NWTPH-Dx with silica gel cleanup.

⁴Sample collected for follow-up analysis due to elevated NWTPH-Dx concentration reported in the September 2018 sample collected from well S2-BD.

CUL = Cleanup Level

DRO = total petroleum hydrocarbons as diesel-range organics

J = reported concentration is an estimated value

MDL = method detection limit

MRL = method reporting limit

 $\mu g/l = micrograms per liter$

ORO = total petroleum hydrocarbons as oil-range organics

RL = Remediation Level

APPENDIX A LABORATORY ANALYTICAL REPORTS (PROVIDED ON COMPACT DISC IN PRINTED REPORT)

2019 SITE-WIDE GROUNDWATER MONITORING REPORT BNSF Former Maintenance and Fueling Facility Skykomish, Washington Consent Decree No. 07-2-33672-9 SEA

Farallon PN: 683-067



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 580-84844-1 Client Project/Site: BNSF Skykomish Monthly

For:

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

motine D. allen

Authorized for release by: 3/28/2019 12:14:32 PM

Kristine Allen, Manager of Project Management (253)248-4970 kristine.allen@testamericainc.com

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.

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| Certification Summary | 24 |
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Job ID: 580-84844-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-84844-1

Comments

No additional comments.

Receipt

The samples were received on 3/22/2019 2:53 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 11 coolers at receipt time were 0.3° C, 0.6° C, 1.0° C, 1.0° C, 1.4° C, 1.4° C, 1.5° C, 1.5° C, 2.0° C, 2.6° C and 2.9° C.

GC Semi VOA

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: WG-WV-031919 (580-84844-5), S2-BU-031919 (580-84844-6) and WG-EV-031919 (580-84844-12).

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

Organic Prep

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

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Monthly

Glossary

| Clobbally | | |
|----------------|---|---|
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | 4 |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | |
| %R | Percent Recovery | 5 |
| CFL | Contains Free Liquid | J |
| CNF | Contains No Free Liquid | |
| DER | Duplicate Error Ratio (normalized absolute difference) | |
| Dil Fac | Dilution Factor | |
| DL | Detection Limit (DoD/DOE) | |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | |
| DLC | Decision Level Concentration (Radiochemistry) | 8 |
| EDL | Estimated Detection Limit (Dioxin) | |
| LOD | Limit of Detection (DoD/DOE) | 9 |
| LOQ | Limit of Quantitation (DoD/DOE) | |
| MDA | Minimum Detectable Activity (Radiochemistry) | |
| MDC | Minimum Detectable Concentration (Radiochemistry) | |
| MDL | Method Detection Limit | |
| ML | Minimum Level (Dioxin) | |
| NC | Not Calculated | |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) | |
| PQL | Practical Quantitation Limit | |
| QC | Quality Control | |
| RER | Relative Error Ratio (Radiochemistry) | |
| RL | Reporting Limit or Requested Limit (Radiochemistry) | |
| RPD | Relative Percent Difference, a measure of the relative difference between two points | |
| TEF | Toxicity Equivalent Factor (Dioxin) | |
| | | |

TEQ Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: 5-W-43-031919

Date Collected: 03/19/19 17:07 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-1

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 20:05 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 10:36 | 03/26/19 20:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 03/26/19 10:36 | 03/26/19 20:05 | 1 |

TestAmerica Seattle

Client Sample ID: EW-1-031919

Date Collected: 03/19/19 16:36 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-2 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|--------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 20:25 | · · · |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 10:36 | 03/26/19 20:25 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |

5

TestAmerica Seattle

Client Sample ID: PZ-8-031919

Date Collected: 03/19/19 15:45 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-3 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------------|-----------|--------------------|-------|------|---|-------------------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.063 | 0.063 | mg/L | | 03/26/19 10:36 | 03/26/19 20:46 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 10:36 | 03/26/19 20:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Surrogate o-Terphenyl | %Recovery 89 | Qualifier | Limits 50 - 150 | | | | Prepared 03/26/19 10:36 | Anal | |

TestAmerica Seattle

Lab Sample ID: 580-84844-4

Matrix: Water

5

Client Sample ID: FGW-WV-031919

Date Collected: 03/19/19 15:00 Date Received: 03/25/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 21:06 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 10:36 | 03/26/19 21:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 103 | | 50 - 150 | | | | 03/26/19 10:36 | 03/26/19 21:06 | 1 |

Surrogate

o-Terphenyl

Analyzed

03/26/19 21:26

Prepared

03/26/19 10:36

5

Dil Fac

1

Client Sample ID: WG-WV-031919 Lab Sample ID: 580-84844-5 Date Collected: 03/19/19 14:20 Matrix: Water Date Received: 03/25/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Dil Fac Analyte Result Qualifier MDL Unit D RL Prepared Analyzed #2 Diesel (C10-C24) 0.19 0.062 0.062 mg/L 03/26/19 10:36 03/26/19 21:26 1 03/26/19 10:36 03/26/19 21:26 0.091 0.091 mg/L Motor Oil (>C24-C36) 0.13 1

Limits

50 - 150

%Recovery Qualifier

92

Client Sample ID: S2-BU-031919

Date Collected: 03/19/19 11:55 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-6

Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.25 | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 21:46 | 1 |
| Motor Oil (>C24-C36) | 0.12 | | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/26/19 21:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 84 | | 50 - 150 | | | | 03/26/19 10:36 | 03/26/19 21:46 | 1 |

Client Sample ID: S2-AD-031919

Date Collected: 03/19/19 11:40 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-7

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.063 | 0.063 | mg/L | | 03/27/19 07:11 | 03/27/19 18:23 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.093 | 0.093 | mg/L | | 03/27/19 07:11 | 03/27/19 18:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 88 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 18:23 | 1 |

Client Sample ID: S2-AU-031919

Date Collected: 03/19/19 11:18 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-8 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 22:46 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 10:36 | 03/26/19 22:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 03/26/19 10:36 | 03/26/19 22:46 | 1 |

5

Client Sample ID: GW-1-031919

Date Collected: 03/19/19 17:20 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-9 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 23:06 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/26/19 23:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 99 | | 50 - 150 | | | | 03/26/19 10:36 | 03/26/19 23:06 | 1 |

5

Client Sample ID: PZ-75-031919

Date Collected: 03/19/19 16:11 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-10 Matrix: Water

5

| | | | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|----------|----------------|---------------------|---------------------|------------------------------------|--|
| ND | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 23:26 | 1 |
| ND | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/26/19 23:26 | 1 |
| %Recovery Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| | ND | ND 0.091 | ND 0.091 0.091 | ND 0.091 0.091 mg/L | ND 0.091 0.091 mg/L | ND 0.091 0.091 mg/L 03/26/19 10:36 | ND 0.091 0.091 mg/L 03/26/19 10:36 03/26/19 23:26 %Recovery Qualifier Limits Prepared Analyzed |

Client Sample ID: FWG-EV-031919

Date Collected: 03/19/19 14:38 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-11

Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/26/19 23:47 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/26/19 23:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 100 | | 50 - 150 | | | | 03/26/19 10:36 | 03/26/19 23:47 | 1 |

Client Sample ID: WG-EV-031919 Lab Sample ID: 580-84844-12 Date Collected: 03/19/19 14:25 Date Received: 03/25/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Analyte Result Qualifier MDL Unit D Dil Fac RL Prepared Analyzed 0.062 #2 Diesel (C10-C24) 0.52 0.062 mg/L 03/26/19 10:36 03/27/19 00:07

| Motor Oil (>C24-C36) | 0.28 | | 0.092 | 0.092 mg/L | 03/26/19 10:36 | 03/27/19 00:07 | 1 |
|--------------------------|-----------------|-----------|--------------------|------------|-------------------------|-------------------------|---------|
| Surrogate o-Terphenyl | %Recovery 89 | Qualifier | Limits 50 - 150 | | Prepared 03/26/19 10:36 | Analyzed 03/27/19 00:07 | Dil Fac |

Matrix: Water

5

1

Client Sample ID: S2-BD-031919

Date Collected: 03/19/19 12:18 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-13 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/27/19 00:27 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/27/19 00:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 95 | | 50 - 150 | | | | 03/26/19 10:36 | 03/27/19 00:27 | 1 |

Client Sample ID: GW-2-031919

Date Collected: 03/19/19 17:54 Date Received: 03/25/19 14:53

Lab Sample ID: 580-84844-14 Matrix: Water

Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/27/19 00:47 | 1 |
| Motor Oil (>C24-C36) | 0.11 | | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/27/19 00:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenvl | 107 | | 50 - 150 | | | | 03/26/19 10:36 | 03/27/19 00:47 | 1 |

Client Sample ID: Method Blank

5

6

| Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) |
|--|
| Lab Sample ID: MB 580-297119/1-A |
| Matrix: Water |

| | | | | | | | | | | | | | _ | |
|-----------------------------|-----------|-----------|---------|----------|--------|-------|------|------|------|-------|------------|------------|----------|---------|
| Matrix: Water | | | | | | | | | | | | Prep Ty | | |
| Analysis Batch: 297203 | | | | | | | | | | | | Prep E | atch: 2 | 297119 |
| | | мв мв | | | | | | | | | | | | |
| Analyte | Res | sult Qua | alifier | R | | | Unit | | D | Pi | repared | Analyze | ed | Dil Fac |
| #2 Diesel (C10-C24) | | ND | | 0.06 | 5 | 0.065 | mg/L | | _ | 03/2 | 6/19 10:36 | 03/26/19 1 | 9:05 | 1 |
| Motor Oil (>C24-C36) | | ND | | 0.09 | 6 | 0.096 | mg/L | | | 03/2 | 6/19 10:36 | 03/26/19 1 | 9:05 | 1 |
| | | мв мв | | | | | | | | | | | | |
| Surrogate | %Recov | ery Qua | alifier | Limits | | | | | | P | repared | Analyze | ed | Dil Fac |
| o-Terphenyl | | 106 | | 50 - 150 | _ | | | | | 03/2 | 6/19 10:36 | 03/26/19 1 | 9:05 | 1 |
| Lab Sample ID: LCS 580-2971 | 19/2-A | | | | | | | | С | lient | Sample | ID: Lab Co | ntrol S | ample |
| Matrix: Water | | | | | | | | | | | Campio | Prep Ty | | |
| Analysis Batch: 297203 | | | | | | | | | | | | | Batch: 2 | |
| Analysis Datch. 297205 | | | | Spike | LCS | LCS | | | | | | %Rec. | | |
| Analyte | | | | Added | Result | | | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.425 | | | mg/L | | | 85 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.468 | | | mg/L | | | 94 | 64 _ 120 | | |
| | LCS I | LCS | | | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | | Limits | | | | | | | | | | |
| o-Terphenyl | 91 | | | 50 - 150 | | | | | | | | | | |
| Lab Sample ID: LCSD 580-297 | 119/3-A | | | | | | | CI | ient | Sam | nle ID: I | ab Control | Samo | le Dun |
| Matrix: Water | | | | | | | | | | • | | Prep Ty | | |
| Analysis Batch: 297203 | | | | | | | | | | | | | Batch: 2 | |
| Analysis Daten. 201200 | | | | Spike | LCSD | LCS | D | | | | | %Rec. | | RPD |
| Analyte | | | | Added | Result | | | Unit | | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.396 | | | mg/L | | | 79 | 50 - 120 | 7 | 26 |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.463 | | | mg/L | | | 93 | 64 - 120 | 1 | 24 |
| | LCSD | LCSD | | | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | | Limits | | | | | | | | | | |
| o-Terphenyl | 82 | | | 50 - 150 | | | | | | | | | | |

QC Sample Results

| Lab Sample ID: MB 580-297217 Matrix: Water | / 1-A | | | | | | Client Sa | mple ID: Metho Prep Type: T | |
|---|--------------|-----------|----------|-------|------|---|----------------|--------------------------------|---|
| Analysis Batch: 297262 | | | | | | | | Prep Batch: | 297217 |
| | MB | MB | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.065 | 0.065 | mg/L | | 03/27/19 07:11 | 03/27/19 17:16 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.096 | 0.096 | mg/L | | 03/27/19 07:11 | 03/27/19 17:16 | 1 |
| | МВ | МВ | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 103 | | 50 _ 150 | | | | 03/27/19 07:11 | 03/27/19 17:16 | 1 |
| Lab Sample ID: LCS 580-29721 Matrix: Water | 7/2-A | | | | | C | lient Sample I | D: Lab Control Prep Type: T | 10 C |

Analysis Batch: 297262 Prep Batch: 297217 Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit D %Rec Limits #2 Diesel (C10-C24) 0.500 0.410 mg/L 82 50 - 120 Motor Oil (>C24-C36) 0.500 0.520 mg/L 104 64 - 120

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

| Lab Sample ID: LCS 580-297 | 217/2-A | | | | | | Client | Sample | ID: Lab C | ontrol S | ample |
|--------------------------------|-----------|-----------|----------|--------|-----------|------|---------|---------|------------|----------|--------|
| Matrix: Water | | | | | | | | | Prep T | ype: To | tal/NA |
| Analysis Batch: 297262 | | | | | | | | | Prep | Batch: 2 | 97217 |
| | LCS | LCS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| o-Terphenyl | 94 | | 50 - 150 | | | | | | | | |
| _ Lab Sample ID: LCSD 580-2 | 97217/3-A | | | | | Clie | ent San | ple ID: | Lab Contro | ol Sampl | e Dup |
| Matrix: Water | | | | | | | | - | Prep T | ype: To | tal/NA |
| Analysis Batch: 297262 | | | | | | | | | Prep | Batch: 2 | 97217 |
| - | | | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | 0.500 | 0.458 | | mg/L | | 92 | 50 - 120 | 11 | 26 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.530 | | mg/L | | 106 | 64 - 120 | 2 | 24 |
| | LCSD | LCSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| o-Terphenyl | 93 | | 50 _ 150 | | | | | | | | |

Dilution

Factor

Dilution

Factor

Dilution

Factor

1

1

1

Run

Run

Run

Batch

Number

297119

297203

Batch

Number

297119

297203

Batch

Number

297119

297203

03/26/

03/26/

03/26/

03/26/

03/26/

03/26/

Client Sample ID: 5-W-43-031919

Batch

Туре

Prep

Client Sample ID: EW-1-031919 Date Collected: 03/19/19 16:36 Date Received: 03/25/19 14:53

Client Sample ID: PZ-8-031919 Date Collected: 03/19/19 15:45 Date Received: 03/25/19 14:53

Analysis

Batch

Туре

Prep

Analysis

Batch

Туре

Prep

Analysis

Batch

Method

3510C

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

NWTPH-Dx

Date Collected: 03/19/19 17:07 Date Received: 03/25/19 14:53

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

| | b ID: 580-84844-1 | estAmerica Jo | T | |
|---|---------------------------------|---------------|---------|----------------|
| | D: 580-84844-1 | b Sample | La | |
| | Matrix: Water | | | |
| | | | | Prepared |
| Ð | | Lab | Analyst | or Analyzed |
| | | TAL SEA | KO | 03/26/19 10:36 |
| 6 | | TAL SEA | JCM | 03/26/19 20:05 |
| 7 | | | | |
| | D: 580-84844-2 | ab Sample | La | |
| 8 | Matrix: Water | | | |
| 9 | | | | Prepared |
| | | Lab | Analyst | or Analyzed |
| | | | KO | 03/26/19 10:36 |
| | | TAL SEA | JCM | 03/26/19 20:25 |
| | D: 580-84844-3 Matrix: Water | ab Sample | La | |
| | | | | Prepared |
| | | Lab | Analyst | or Analyzed |
| | | TAL SEA | КО | 03/26/19 10:36 |
| | | TAL SEA | JCM | 03/26/19 20:46 |
| | D: 580-84844-4 | ab Sample | La | |
| | Matrix: Water | | | |
| | | | | Prepared |
| | | Lab | Analyst | or Analyzed |
| | | TAL SEA | КО | 03/26/19 10:36 |
| | | TAL SEA | JCM | 03/26/19 21:06 |
| | D: 580-84844-5 | ab Sample | La | |
| | Matrix: Water | - | | |

Client Sample ID: FGW-WV-031919

| Date Collected: | 03/19/19 | 15:00 |
|-----------------|----------|-------|
| Date Received: | 03/25/19 | 14:53 |

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/26/19 21:06 | JCM | TAL SEA |

Client Sample ID: WG-WV-031919 Date Collected: 03/19/19 14:20

Date Received: 03/25/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/26/19 21:26 | JCM | TAL SEA |

Client Sample ID: S2-BU-031919 Date Collected: 03/19/19 11:55

Date Received: 03/25/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/26/19 21:46 | JCM | TAL SEA |

TestAmerica Seattle

Lab Sample ID: 580-84844-6

Matrix: Water

| | | | ļ | Lab Chro | nicle | | | | |
|---|---|---|-----|---|---|--|--|--|--|
| lient: Farallon (roject/Site: BN | - | | | | | | Т | estAmerica Jo | b ID: 580-84844-1 |
| Toject/One. Div | оп окукоппізн | Montiny | | | | | | | |
| Client Sample | | | | | | | La | b Sample | D: 580-84844-7 |
| Date Collected: Date Received: | | | | | | | | | Matrix: Water |
| - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | КО | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 18:23 | W1T | TAL SEA | |
| Client Sample | e ID: S2-AU | -031919 | | | | | La | b Sample | D: 580-84844-8 |
| Date Collected: | | | | | | | | - | Matrix: Water |
| Date Received: | 03/25/19 14:5 | 3 | | | | | | | |
| - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | КО | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/26/19 22:46 | JCM | TAL SEA | |
| Client Sample | e ID: GW-1- | 031919 | | | | | La | b Sample | D: 580-84844-9 |
| Date Collected: | 03/19/19 17:2 | 0 | | | | | | | Matrix: Water |
| Date Received: | 03/25/19 14:5 | 3 | | | | | | | |
| | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Mathad | | | | | | | |
| | | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | Run | | 297119 | 03/26/19 10:36 | ко | TAL SEA | |
| | | | Run | Factor | | | | | |
| Total/NA Total/NA | Prep Analysis | 3510C NWTPH-Dx | Run | | 297119 | 03/26/19 10:36 | KO JCM | TAL SEA TAL SEA |): 580-84844-10 |
| Total/NA Total/NA Client Sample Date Collected: | Prep Analysis e ID: PZ-75- 03/19/19 16:1 | 3510C NWTPH-Dx -031919 1 | Run | | 297119 | 03/26/19 10:36 | KO JCM | TAL SEA TAL SEA |): 580-84844-10 Matrix: Water |
| Total/NA Total/NA Client Sample Date Collected: | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5 | 3510C NWTPH-Dx -031919 1 3 | Run | 1 | 297119 297203 | 03/26/19 10:36 | KO JCM | TAL SEA TAL SEA | |
| Total/NA Total/NA Client Sample Date Collected: Date Received: | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch | 3510C NWTPH-Dx -031919 1 3 Batch | | 1 | 297119 297203 Batch | 03/26/19 10:36 03/26/19 23:06 Prepared | ко јсм Lat | TAL SEA TAL SEA Sample IE | |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type | 3510C NWTPH-Dx -031919 1 3 Batch Method | Run | 1 | 297119 297203 Batch Number | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed | KO JCM Lat | TAL SEA TAL SEA D Sample IE | |
| Total/NA Total/NA Client Sample Date Collected: Date Received: | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch | 3510C NWTPH-Dx -031919 1 3 Batch | | 1 | 297119 297203 Batch | 03/26/19 10:36 03/26/19 23:06 Prepared | ко јсм Lat | TAL SEA TAL SEA Sample IE | |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis | 3510C NWTPH-Dx -031919 1 3 Batch <u>Method</u> 3510C NWTPH-Dx | | 1 Dilution Factor | 297119 297203 Batch Number 297119 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 | KO JCM Lat Analyst KO JCM | TAL SEA TAL SEA Sample IE TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5 Batch Type Prep Analysis e ID: FWG-E | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 | | 1 Dilution Factor | 297119 297203 Batch Number 297119 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 | KO JCM Lat Analyst KO JCM | TAL SEA TAL SEA Sample IE TAL SEA TAL SEA | |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:53 Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx | | 1 Dilution Factor | 297119 297203 Batch Number 297119 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 | KO JCM Lat Analyst KO JCM | TAL SEA TAL SEA Sample IE TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:53 Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 03/25/19 14:53 | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx | | 1 Dilution Factor 1 | 297119 297203 Batch Number 297119 297203 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 03/26/19 23:26 | KO JCM Lat Analyst KO JCM | TAL SEA TAL SEA Sample IE TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:53 Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 03/25/19 14:53 | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx | Run | Dilution Factor 1 Dilution | 297119 297203 Batch Number 297119 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 03/26/19 23:26 Prepared | KO JCM Lat KO JCM | TAL SEA TAL SEA Sample IC TAL SEA TAL SEA TAL SEA Sample IC | Matrix: Water |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:53 Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 03/25/19 14:53 | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 Batch Batch | | 1 Dilution Factor 1 | 297119 297203 Batch Number 297119 297203 Batch | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 03/26/19 23:26 | KO JCM Lat Analyst KO JCM | TAL SEA TAL SEA Sample IE TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Date Received: | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 03/25/19 14:5: Batch Type | 3510C NWTPH-Dx -031919 1 3 Batch <u>Method</u> 3510C NWTPH-Dx EV-031919 8 3 Batch Method | Run | Dilution Factor 1 Dilution | 297119 297203 Batch Number 297119 297203 Batch Number | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 03/26/19 23:26 03/26/19 23:26 Prepared or Analyzed | KO JCM Lat KO JCM Lat | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA TAL SEA Sample ID Lab | Matrix: Water |
| Total/NA Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Date Received: Date Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 03/25/19 14:5 Batch Type Prep Prep | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 Batch Method 3510C | Run | 1 Dilution Factor 1 Dilution Factor | 297119 297203 Batch Number 297119 297203 Batch Number 297119 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 03/26/19 23:26 Prepared or Analyzed 03/26/19 10:36 | KO JCM Lat KO JCM Lat Analyst KO | TAL SEA TAL SEA Sample ID Calc Lab TAL SEA Sample ID Sample ID Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc Calc | Matrix: Water |
| Total/NA Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 03/25/19 14:5: Batch Type Prep Analysis e ID: WG-E\ | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 V-031919 | Run | 1 Dilution Factor 1 Dilution Factor | 297119 297203 Batch Number 297119 297203 Batch Number 297119 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 03/26/19 23:26 Prepared or Analyzed 03/26/19 10:36 | KO JCM Lat KO JCM Lat KO JCM | TAL SEA TAL SEA TAL SEA Sample IE TAL SEA TAL SEA TAL SEA TAL SEA TAL SEA | Matrix: Water 0: 580-84844-11 Matrix: Water 0: 580-84844-12 |
| Total/NA Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:5: Batch Type Prep Analysis e ID: WG-E 03/19/19 14:2 | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 Batch Method 3 EV-031919 8 3 Batch Method 3510C NWTPH-Dx Vol31919 V-031919 V5 | Run | 1 Dilution Factor 1 Dilution Factor | 297119 297203 Batch Number 297119 297203 Batch Number 297119 | 03/26/19 10:36 03/26/19 23:06 Prepared or Analyzed 03/26/19 10:36 03/26/19 23:26 Prepared or Analyzed 03/26/19 10:36 | KO JCM Lat KO JCM Lat KO JCM | TAL SEA TAL SEA TAL SEA Sample IE TAL SEA TAL SEA TAL SEA TAL SEA TAL SEA | Matrix: Water 0: 580-84844-11 Matrix: Water |
| Total/NA Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:5: Batch Type Prep Analysis e ID: WG-E 03/19/19 14:2 03/25/19 14:5: | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 Batch Method 3510C NWTPH-Dx EV-031919 18 3 Batch Method 3510C NWTPH-Dx V-031919 15 3 | Run | 1 Dilution Factor 1 Dilution Factor 1 | 297119 297203 Batch Number 297119 297203 Batch Number 297119 297203 | 03/26/19 10:36 03/26/19 23:06 Prepared 03/26/19 23:26 03/26/19 10:36 03/26/19 23:26 Prepared 03/26/19 10:36 03/26/19 23:47 | KO JCM Lat KO JCM Lat KO JCM | TAL SEA TAL SEA TAL SEA Sample IE TAL SEA TAL SEA TAL SEA TAL SEA TAL SEA | Matrix: Water 0: 580-84844-11 Matrix: Water 0: 580-84844-12 |
| Total/NA Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:3 03/25/19 14:5: Batch Type Prep Analysis e ID: WG-EV 03/19/19 14:2 03/25/19 14:5: | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 18 3 Batch Method 3510C NWTPH-Dx EV-031919 18 3 V-031919 15 3 Batch | Run | Dilution Factor 1 Dilution Factor 1 Dilution 1 Dilution | 297119 297203 Batch Number 297119 297203 Batch Number 297119 297203 Batch | 03/26/19 10:36 03/26/19 23:06 Prepared 03/26/19 23:06 03/26/19 10:36 03/26/19 23:26 Prepared 03/26/19 10:36 03/26/19 10:36 03/26/19 23:47 Prepared | KO JCM Lat KO JCM Lat KO JCM Lat | TAL SEA TAL SEA TAL SEA Sample IE TAL SEA TAL SEA TAL SEA TAL SEA TAL SEA TAL SEA | Matrix: Water 0: 580-84844-11 Matrix: Water 0: 580-84844-12 |
| Total/NA Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Total/NA Total/NA Total/NA Total/NA | Prep Analysis e ID: PZ-75- 03/19/19 16:1 03/25/19 14:5: Batch Type Prep Analysis e ID: FWG-E 03/19/19 14:5: Batch Type Prep Analysis e ID: WG-E 03/19/19 14:2 03/25/19 14:5: | 3510C NWTPH-Dx -031919 1 3 Batch Method 3510C NWTPH-Dx EV-031919 8 3 Batch Method 3510C NWTPH-Dx EV-031919 18 3 Batch Method 3510C NWTPH-Dx V-031919 15 3 | Run | 1 Dilution Factor 1 Dilution Factor 1 | 297119 297203 Batch Number 297119 297203 Batch Number 297119 297203 | 03/26/19 10:36 03/26/19 23:06 Prepared 03/26/19 23:26 03/26/19 10:36 03/26/19 23:26 Prepared 03/26/19 10:36 03/26/19 23:47 | KO JCM Lat KO JCM Lat KO JCM | TAL SEA TAL SEA TAL SEA Sample IE TAL SEA TAL SEA TAL SEA TAL SEA TAL SEA | Matrix: Water 0: 580-84844-11 Matrix: Water 0: 580-84844-12 |

Lab Sample ID: 580-84844-13

2 3 4 5 6 7 8 9 10 11

Client Sample ID: S2-BD-031919

| Prep Type Total/NA | Туре | Method | _ | | | - | | |
|-----------------------|-----------|----------|-----|--------|--------|----------------|---------|--------------------------|
| Total/NIA | | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| TOLAI/INA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/27/19 00:27 | JCM | TAL SEA |
| lient Sample | ID: GW-2- | 031919 | | | | | Lat | b Sample ID: 580-84844-1 |

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | · | | 297119 | 03/26/19 10:36 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/27/19 00:47 | JCM | TAL SEA |

Laboratory References:

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

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Monthly TestAmerica Job ID: 580-84844-1

Laboratory: TestAmerica Seattle

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|--------------------|---------------|------------|-----------------------|-----------------|
| Alaska (UST) | State Program | 10 | 17-024 | 01-19-20 |
| ANAB | DoD / DOE | | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | | L2236 | 01-19-22 |
| California | State Program | 9 | 2901 | 11-05-19 |
| Montana (UST) | State Program | 8 | N/A | 04-30-20 |
| Nevada | State Program | 9 | WA000502019-1 | 07-31-19 |
| Oregon | NELAP | 10 | WA100007 | 11-05-19 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-19 |
| USDA | Federal | | P330-14-00126 | 02-10-20 |
| Washington | State Program | 10 | C553 | 02-17-20 |

Sample Summary

Matrix

Water

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Monthly

Client Sample ID

5-W-43-031919

EW-1-031919

PZ-8-031919

FGW-WV-031919

WG-WV-031919

S2-BU-031919

S2-AD-031919

S2-AU-031919

GW-1-031919

PZ-75-031919

FWG-EV-031919

WG-EV-031919

S2-BD-031919

GW-2-031919

Lab Sample ID

580-84844-1

580-84844-2

580-84844-3

580-84844-4

580-84844-5

580-84844-6

580-84844-7

580-84844-8

580-84844-9

580-84844-10

580-84844-11

580-84844-12

580-84844-13

580-84844-14

TestAmerica Job ID: 580-84844-1

Collected

03/19/19 17:07

03/19/19 16:36

03/19/19 15:45

03/19/19 15:00

03/19/19 14:20

03/19/19 11:55

03/19/19 11:40

03/19/19 11:18

03/19/19 17:20

03/19/19 16:11

03/19/19 14:38

03/19/19 14:25

03/19/19 12:18

03/19/19 17:54

9

| Received | |
|----------------|---|
| 03/25/19 14:53 | |
| 03/25/19 14:53 | |
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|--|------------------------------|-------------------|----------------|---------|------------|--------------------------|-------|----------|--------------|--------------------|-----------|------------------|--|------------|
| | | | | LA | BORAT | ORY IN | FORMA | | | | | LAB WORK OR | DER: KAVAN | 101 8 |
| BNSF | Laboratory. Project Manager: | | | | ger: | SHIPMENT INFORMATION | | | ION | | | | | |
| RAILWAY | Address: | | | | | | | Phone: | | Shipment Method: | | | | |
| CHAIN OF CUSTODY | City/State/ZIP: | | | | | | | Fax: | | | | Tracking Numbe | r: | |
| BNSF PROJECT INFORMATION | Project State of | Origin: | | | | | C | ONSULTAN | IT INFORMATI | ON | | Project Number: | 683-067 | |
| SF Project Number: 683-067 | Project City: | | | | Company | Fa | valer | r Con | scuting | | | Project Manager: | Peter kines | kn |
| SF Project Name: BNSF - Skykomish SF Contact: | Mont | they | | | Address: | 97. | 5 51 | 4 AVE | NW | | | Email: pkiny | ston Ofara ikin co | nsulty can |
| SF Contact: | BNSF Work Ord | ler No.: | | | City/State | /ZIP: | ssage | with , | NA | | | Phone: | Fax: | |
| TURNAROUND TIME | D | ELIVERABLES | [] OI | her Del | iverables | | V | | | IODS FOR A | NALYSIS | | | |
| 1-day Rush 5- to 8-day Rush | BNSF St | andard (Level II) | | | | | | | | | 1 | | | |
| 2-day Rush Standard 10-Day | Level III | | EC | DD Reg. | , Format' | ? | | | | | | | | |
| 3-day Rush Other | _ Level IV | | | ***** | | | | X | | | | | | |
| SF | | TION | | | | | | 1641- | | | | | | |
| | | Samp | ble Collection | | Filtered | Type | | | | | | | | |
| Sample Identification | Containers | Date | Time Sa | ampler | Y/N | (Comp Grab) | | MM | | | | | COMMENTS | LAB USE |
| 5-W-43-031919 | 2 | 3/19/19 | 1707 0 | В | N | 6 | Water | <u> </u> | | | | | COMMENTS | LAD USE |
| EW-1-031919 | 1 | 1 | 1636 C | 1 | ۱ | 1 | 1 | X | | | | | | |
| PZ-8-031919 | | | 1545 C | | 1 | | | X' | | | | | | |
| FGW-WV-03/9/9 | | | 1500 C | | | | | K | | | | | | |
| WG-WV-031919 | | | 1420 0 | | | | | X | | | | | ······································ | |
| 52-BU-031919 | | | 1155 C | | | | | ĸ | | | | | | |
| 52-AB-031919 | | | 1140 C | | 1 | | 1 | X | | | | | | |
| 52 - 40 -031919 | | | | 3 | | | | X | | | | | | |
| GW-1-031919 | | | | ·ρ | | | | X | | | | | | |
| PZ-75-031919 | | | | SP | | | | X | | | · | | | 1 |
| FWG-EV-031919 | | | | SP | 1 | | | X | | | | | | |
| WG-EV-031919 | | | | P | | | | X | | | | | | |
| 52-BD-031919 | | | | ρ | 1 | \neg | | X | | | | | | |
| GW-2- 031919 | 1 | خل_، | | 2 | | <u> </u> | | X | | | | 580-8484 | 4 Chain of Custody | |
| | | | | · | | | | | | | | | | |
| nquished By: | Date/Time: | 172/19 | Received By: | Inc | 20t | λl | Lul | 1.1 | Date/Jipre | 2/19 @ | 1 Comme | nts and Specia | Analytical Requirements | : |
| nquished BC. The the bar | Date/Time: | 0/134 | Received By: | Jan | F | $\overline{\mathcal{O}}$ | nt | un | Date/Time: | 49 14 3 | (*) | | | |
| nguished By. | Date Time: | 1145 | Received By: | | ŧĈ | <u> </u> | | | Date/Time: | H | - | | | |
| eived by Laboratory: | Date/Time: | | Lab Remarks: | | | | | | Lab: Custod | iy Intact? s No | Custody S | eal No. | BNSF COC No | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

Page 26 of 27

TAL-1001 (0912)

3/28/2019

Client: Farallon Consulting LLC

Login Number: 84844

List Number: 1 Creator: Luna, Francisco J

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td> | 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. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |
| | | |

Job Number: 580-84844-1

List Source: TestAmerica Seattle



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 580-84853-1

Client Project/Site: BNSF Skykomish Semi Annual Sampling Event: Skykomish HCC System

For:

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Kristine D. allen

Authorized for release by: 4/2/2019 4:26:53 PM

Kristine Allen, Manager of Project Management (253)248-4970 kristine.allen@testamericainc.com

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.

..... Links **Review your project** results through **Total** Access Have a Question? Ask-The Expert Visit us at: www.testamericainc.com

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Job ID: 580-84853-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-84853-1

Comments

No additional comments.

Receipt

The samples were received on 3/22/2019 2:53 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 11 coolers at receipt time were 0.1° C, 0.3° C, 1.0° C, 1.0° C, 1.4° C, 1.4° C, 1.5° C, 1.5° C, 2.0° C, 2.6° C and 2.9° C.

Receipt Exceptions

The samples were submitted with the following errors that were confirmed by the client. The client submitted a revised COC.

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC). The client instructed the lab to add to the end of the sample event and add Dx analysis. MW-30-032119 (580-84853-53)

Sample 2B-W-4-032119 (580-84853-22) was listed twice on the COC however we only received one set of containers. The second occurrence was crossed off the COC.

Several sample dates on page 2 of the COC do not match the container nor the sample ID format. The client confirmed that all of these samples in question were collected on 3/21/19 as the label states. The COC was revised to include the correct sample date.

Sample S4-CU-032219 1009 is missing from the container submission however we have received 2 sets of containers for S4-BU-032219. There was an underlying label on these containers that has this missing S4-CU-032219 (580-84853-40) sample ID as well as it's correct collection time. This container was labeled as S4-CU-032219.

GC Semi VOA

Method(s) NWTPH-Dx: The continuing calibration verification (CCV) associated with batch 580-297262 recovered above the upper control limit for Motor Oil (>C24-C36). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 1C-W-1-032119 (580-84853-29), 1C-W-3-032119 (580-84853-34), 1B-W-3-032119 (580-84853-35), S1-BD-032119 (580-84853-36), S1-AU-032119 (580-84853-37), S1-BU-032119 (580-84853-38), S1-AD-032119 (580-84853-39), S4-CD-032219 (580-84853-41), S4-BD-032219 (580-84853-42), S4-BU-032219 (580-84853-43), S3-AU-032219 (580-84853-44), S3-BU-032219 (580-84853-45), S4-AD-032219 (580-84853-46), S3-CU-032219 (580-84853-47) and (CCV 580-297262/19).

Method(s) NWTPH-Dx: The following samples were reanalyzed for motor oil due to a failing motor oil CCV in the initial analysis. 1C-W-8-032119 (580-84853-30), MW-16-032119 (580-84853-31), 1B-W-2-032119 (580-84853-32), 1C-W-4-032119 (580-84853-33) and S4-CU-032219 (580-84853-40)

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: 2A-W-41-032019 (580-84853-9) and MW-30-032119 (580-84853-53).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: 2A-W-410-032019 (580-84853-10), 5-W-51-032019 (580-84853-12), 5-W-56-032019 (580-84853-13), 5-W-560-032019 (580-84853-14), 5-W-55-032019 (580-84853-15), 2A-W-10-032119 (580-84853-20), MW-4-032119 (580-84853-21) and 2A-W-9-032119 (580-84853-25).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: 2A-W-10-032119 (580-84853-20), MW-4-032119 (580-84853-21), 2A-W-9-032119 (580-84853-25), 1C-W-7-032119 (580-84853-26), 2A-W-42-032119 (580-84853-27) and MW-3-032119 (580-84853-28).

Method(s) NWTPH-Dx: The continuing calibration verification (CCV) standard associated with batch 580-297186 recovered outside %Drift acceptance criteria for o-Terphenyl surrogate. The %Recovery is within acceptance criteria for the surrogate in the CCV and associated

1 2 3 4 5 6 7 8 9 10

Job ID: 580-84853-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

samples; therefore, the data are qualified and reported. (CCV 580-297186/14) and (CCV 580-297186/25)

Method(s) NWTPH-Dx: The continuing calibration verification (CCV) associated with batch 580-297186 recovered above the upper control limit for #2 Diesel (C10-C24). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-38R-032019 (580-84853-16), MW-380R-032019 (580-84853-17), 5-W-14-032019 (580-84853-18), 5-W-16-032019 (580-84853-19), 2B-W-4-032119 (580-84853-22), GW-4-032119 (580-84853-23), EW-2A-032119 (580-84853-24) and (CCV 580-297186/25).

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.

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

Glossary

| Clossury | | |
|----------------|---|---|
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | 4 |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | |
| %R | Percent Recovery | 5 |
| CFL | Contains Free Liquid | |
| CNF | Contains No Free Liquid | |
| DER | Duplicate Error Ratio (normalized absolute difference) | |
| Dil Fac | Dilution Factor | |
| DL | Detection Limit (DoD/DOE) | |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | |
| DLC | Decision Level Concentration (Radiochemistry) | 8 |
| EDL | Estimated Detection Limit (Dioxin) | |
| LOD | Limit of Detection (DoD/DOE) | 9 |
| LOQ | Limit of Quantitation (DoD/DOE) | |
| MDA | Minimum Detectable Activity (Radiochemistry) | |
| MDC | Minimum Detectable Concentration (Radiochemistry) | |
| MDL | Method Detection Limit | |
| ML | Minimum Level (Dioxin) | |
| NC | Not Calculated | |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) | |
| PQL | Practical Quantitation Limit | |
| QC | Quality Control | |
| RER | Relative Error Ratio (Radiochemistry) | |
| RL | Reporting Limit or Requested Limit (Radiochemistry) | |
| RPD | Relative Percent Difference, a measure of the relative difference between two points | |
| TEF | Toxicity Equivalent Factor (Dioxin) | |
| | | |

TEQ Toxicity Equivalent Quotient (Dioxin)

RL

0.062

0.091

Limits

50 - 150

MDL Unit

0.062 mg/L

0.091 mg/L

D

Client Sample ID: 5-W-18-032019

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

Result Qualifier

ND

ND

%Recovery Qualifier

89

| Date Collected: 03/20/19 11:04 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

Analyte

Surrogate

o-Terphenyl

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

| Lab Sample | ID: | 580-8485 | 3-1 |
|------------|-----|------------|------|
| | | Matrix: Wa | ater |

5

| Prepared | Analyzed | Dil Fac | Ę |
|----------------|----------------|---------|---|
| 03/26/19 10:36 | 03/27/19 01:07 | 1 | |
| 03/26/19 10:36 | 03/27/19 01:07 | 1 | |
| Prepared | Analyzed | Dil Fac | |
| 03/26/19 10:36 | 03/27/19 01:07 | 1 | |
| | | | |
| | | | |
| | | | |

Client Sample ID: 5-W-19-032019

| Date Collected: 03/20/19 11:11 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Lab Sample ID |): | 580-84853-2 |
|---------------|----|---------------|
| | | Matrix: Wator |

Matrix: Water

| 03/27/19 01:27 | | Qualifier R | Result | Analyte F |
|----------------|---------------------------------|------------------|---------|---------------------------------|
| 03/27/19 01.27 | 03/26/19 10:36 03/27/19 0 | 0.06 | ND | [‡] 2 Diesel (C10-C24) |
| 03/27/19 01:27 | 03/26/19 10:36 03/27/19 0 | 0.09 | ND | Notor Oil (>C24-C36) |
| Analyzed | Prepared Analyz | Qualifier Limits | covery | Surrogate %Rec |
| | Prepared 03/26/19 10: | Qualifier Limits | ecovery | Surrogate %Rec |

RL

0.062

0.091

Limits

50 - 150

MDL Unit

0.062 mg/L

0.091 mg/L

D

Prepared

03/26/19 10:36

03/26/19 10:36

Prepared

03/26/19 10:36

Client Sample ID: 5-W-17-032019

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

Result Qualifier

ND

ND

%Recovery Qualifier

99

| Date Collected: 03/20/19 12:14 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

Analyte

Surrogate

o-Terphenyl

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

| Lab Sample ID: | 580-84853-3 |
|----------------|---------------|
| | Matrix: Water |

Analyzed

03/27/19 01:47

03/27/19 01:47

Analyzed

03/27/19 01:47

Dil Fac

Dil Fac

1

1

1

Lab Sample ID: 580-84853-4

Client Sample ID: 5-W-170-032019

Date Collected: 03/20/19 12:16 Date Received: 03/22/19 14:53

| | Matrix: Water |
|---|---------------|
| | |
| | |
| Somi Veletile Petroleum Producto (CC) | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 10:36 | 03/27/19 02:27 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 10:36 | 03/27/19 02:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 99 | | 50 - 150 | | | | 03/26/19 10:36 | 03/27/19 02:27 | 1 |

Lab Sample ID: 580-84853-5

Matrix: Water

Client Sample ID: 1A-W-4-032019

| Date Collected: 03/20/19 16:30 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 03/26/19 10:36 | 03/27/19 02:47 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/27/19 02:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 03/26/19 10:36 | 03/27/19 02:47 | 1 |

Client Sample ID: GW-3-032019

Lab Sample ID: 580-84853-6 Matrix: Water

| ate Collected: 03/20/19 14:35 | | | | | | | | Matrix | x: Water |
|--------------------------------|----------------------|------------|----------------|-----------|-----------|---|----------------|----------------|----------|
| ate Received: 03/22/19 14:53 | | | | | | | | | |
| Method: NWTPH-Dx - Northw | vest - Semi-Volatile | Petroleum | Products (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 03/27/19 12:46 | 03/31/19 23:04 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 12:46 | 03/31/19 23:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 101 | | 50 - 150 | | | | 03/27/19 12:46 | 03/31/19 23:04 | 1 |
| _ Method: NWTPH-Dx - Semi-V | /olatile Petroleum | Products b | • NWTPH with ! | Silica Ge | l Cleanup | , | | | |
| Analyte | | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 03/27/19 12:46 | 03/31/19 16:22 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 12:46 | 03/31/19 16:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 113 | | 50 - 150 | | | | 03/27/19 12:46 | 03/31/19 16:22 | 1 |

Lab Sample ID: 580-84853-7

Matrix: Water

Client Sample ID: GW-30-032019

| Date Collected: 03/20/19 14:45 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 03/26/19 10:36 | 03/27/19 03:08 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 10:36 | 03/27/19 03:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 88 | | 50 - 150 | | | | 03/26/19 10:36 | 03/27/19 03:08 | 1 |

Lab Sample ID: 580-84853-8

Matrix: Water

5

Client Sample ID: 1B-W-23-032019

Date Collected: 03/20/19 14:30 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 12:00 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 12:18 | 03/30/19 12:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 104 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 12:00 | 1 |

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

Lab Sample ID: 580-84853-9

Matrix: Water

| Client Sample I | D: 2A-W-41-032019 |
|-----------------|-------------------|
|-----------------|-------------------|

Date Collected: 03/20/19 15:55

Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------------|--------------------------|-------------|--------------|--------------|---|--|--|--------------|
| #2 Diesel (C10-C24) | 0.43 | | 0.062 | 0.062 | mg/L | | 03/27/19 12:46 | 03/31/19 23:24 | 1 |
| Motor Oil (>C24-C36) | 0.26 | | 0.091 | 0.091 | mg/L | | 03/27/19 12:46 | 03/31/19 23:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 03/27/19 12:46 | 03/31/19 23:24 | 1 |
| | | | | | | | | | |
| | | - | | | | | Prenared | Analyzed | Dil Fac |
| Analyte | Result | Products by Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte #2 Diesel (C10-C24) | | - | | MDL 0.062 | Unit | | Prepared 03/27/19 12:46 03/27/19 12:46 | Analyzed 03/31/19 16:42 03/31/19 16:42 | Dil Fac 1 |
| Method: NWTPH-Dx - Semi Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate | Result 0.084 | Qualifier | RL 0.062 | MDL 0.062 | Unit mg/L | | 03/27/19 12:46 | 03/31/19 16:42 | Dil Fac |

Surrogate

o-Terphenyl

Analyzed

03/30/19 12:21

Prepared

03/26/19 12:18

5

Dil Fac

1

Client Sample ID: 2A-W-410-032019 Lab Sample ID: 580-84853-10 Date Collected: 03/20/19 16:20 Matrix: Water Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Dil Fac Analyte Result Qualifier MDL Unit D Analyzed RL Prepared #2 Diesel (C10-C24) 0.28 0.062 0.062 mg/L 03/26/19 12:18 03/30/19 12:21 1 03/26/19 12:18 03/30/19 12:21 0.092 0.092 mg/L Motor Oil (>C24-C36) 0.14 1

Limits

50 - 150

%Recovery Qualifier

93

| TestAmerica Seattle |
|---------------------|
|---------------------|

Client Sample ID: 2A-W-40-032019 Lab Sample ID: 580-84853-11 Date Collected: 03/20/19 17:55 Matrix: Water Date Received: 03/22/19 14:53 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 12:43 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 12:43 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 103 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 12:43 | 1 |

Surrogate

o-Terphenyl

Analyzed

03/30/19 13:06

Prepared

03/26/19 12:18

5

Dil Fac

1

Client Sample ID: 5-W-51-032019 Lab Sample ID: 580-84853-12 Date Collected: 03/20/19 13:54 Matrix: Water Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Dil Fac Analyte Result Qualifier MDL Unit D Prepared RL Analyzed #2 Diesel (C10-C24) 0.49 0.062 0.062 mg/L 03/26/19 12:18 03/30/19 13:06 1 03/26/19 12:18 03/30/19 13:06 0.091 0.091 mg/L Motor Oil (>C24-C36) 0.34 1

Limits

50 - 150

%Recovery Qualifier

92

| TestAmerica Seattle |
|---------------------|
|---------------------|

o-Terphenyl

03/30/19 13:28

03/26/19 12:18

5

1

Client Sample ID: 5-W-56-032019 Lab Sample ID: 580-84853-13 Date Collected: 03/20/19 15:09 Matrix: Water Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Dil Fac Analyte Result Qualifier MDL Unit D Analyzed RL Prepared #2 Diesel (C10-C24) 0.79 0.062 0.062 mg/L 03/26/19 12:18 03/30/19 13:28 1 03/26/19 12:18 03/30/19 13:28 0.091 0.091 mg/L Motor Oil (>C24-C36) 1.0 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

50 - 150

78

| TestAmerica | a Seattle |
|-------------|-----------|
| | |

Surrogate

o-Terphenyl

Analyzed

03/30/19 13:50

Prepared

03/26/19 12:18

5

Dil Fac

1

Client Sample ID: 5-W-560-032019 Lab Sample ID: 580-84853-14 Date Collected: 03/20/19 15:20 Matrix: Water Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Dil Fac Analyte Result Qualifier MDL Unit D RL Prepared Analyzed #2 Diesel (C10-C24) 0.81 0.062 0.062 mg/L 03/26/19 12:18 03/30/19 13:50 1 03/26/19 12:18 03/30/19 13:50 0.091 0.091 mg/L Motor Oil (>C24-C36) 0.98 1

Limits

50 - 150

%Recovery Qualifier

78

Client Sample ID: 5-W-55-032019 Date Collected: 03/20/19 15:21 Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.082 | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 14:12 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 12:18 | 03/30/19 14:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenvl | 109 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 14:12 | 1 |

Client Sample ID: MW-38R-032019 Date Collected: 03/20/19 17:04

Date Received: 03/22/19 14:53

Lab Sample ID: 580-84853-16

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 14:57 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/26/19 12:18 | 03/30/19 14:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 102 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 14:57 | 1 |

Matrix: Water

5

Client Sample ID: MW-380R-032019 Lab Sample ID: 580-84853-17 Date Collected: 03/20/19 17:02

Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.063 | 0.063 | mg/L | | 03/26/19 12:18 | 03/30/19 15:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.093 | 0.093 | mg/L | | 03/26/19 12:18 | 03/30/19 15:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 107 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 15:19 | 1 |

Client Sample ID: 5-W-14-032019

| Client Sample ID: 5-W-14-032019 | Lab Sample ID: 580-84853-18 |
|--|-----------------------------|
| Date Collected: 03/20/19 12:54 | Matrix: Water |
| Date Received: 03/22/19 14:53 | |
| 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 | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 15:42 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 15:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 102 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 15:42 | 1 |

5

Lab Sample ID: 580-84853-19

Client Sample ID: 5-W-16-032019

| Date | Collected: 03/20/19 11:59 | |
|------|---------------------------|--|
| Date | Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 16:05 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 16:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 107 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 16:05 | 1 |

Matrix: Water

Client Sample ID: 2A-W-10-032119

Date Collected: 03/21/19 09:54 Date Received: 03/22/19 14:53

Lab Sample ID: 580-84853-20 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.12 | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 04/01/19 20:03 | 1 |
| Motor Oil (>C24-C36) | 0.32 | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 16:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 111 | | 50 _ 150 | | | | 03/26/19 12:18 | 03/30/19 16:27 | 1 |
| o-Terphenyl | 92 | | 50 - 150 | | | | 03/26/19 12:18 | 04/01/19 20:03 | 1 |

5

Client Sample ID: MW-4-032119

Date Collected: 03/21/19 10:56 Date Received: 03/22/19 14:53

| Lab Sample | ID: | 580-84853-21 |
|------------|-----|---------------|
| | | Matrix: Water |

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.12 | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 04/01/19 20:23 | 1 |
| Motor Oil (>C24-C36) | 0.29 | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 16:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 106 | | 50 _ 150 | | | | 03/26/19 12:18 | 03/30/19 16:50 | 1 |
| o-Terphenyl | 87 | | 50 - 150 | | | | 03/26/19 12:18 | 04/01/19 20:23 | 1 |

Client Sample ID: 2B-W-4-032119

| Date | Collected: 03/21/19 12:04 | |
|------|---------------------------|--|
| Date | Received: 03/22/19 14:53 | |

| Lab Sample ID: | 580-84853-22 |
|----------------|---------------|
| | Matrix: Mator |

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 17:13 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 17:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 105 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 17:13 | 1 |

Client Sample ID: GW-4-032119

| Date Collected: 03/21/19 09:50 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 17:35 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 17:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 113 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 17:35 | 1 |

 Lab Sample ID: 580-84853-23 Matrix: Water
 3

 Prepared
 Analyzed
 Dil Fac

 D2/06/40 42:48
 02/20/40 47:25
 1

Lab Sample ID: 580-84853-24

Matrix: Water

5

Client Sample ID: EW-2A-032119

| Date Collected: 03/21/19 09:50 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Method: NWTPH-Dx - Northwe | st - Semi-Volatile | Petroleum | Products (GC) | | | | | | |
|----------------------------|--------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 03/30/19 17:58 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 03/30/19 17:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 111 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 17:58 | 1 |

Client Sample ID: 2A-W-9-032119

Date Collected: 03/21/19 09:54 Date Received: 03/22/19 14:53

Lab Sample ID: 580-84853-25 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.24 | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 04/01/19 20:43 | 1 |
| Motor Oil (>C24-C36) | 0.19 | | 0.092 | 0.092 | mg/L | | 03/26/19 12:18 | 03/30/19 18:20 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 106 | | 50 - 150 | | | | 03/26/19 12:18 | 03/30/19 18:20 | 1 |
| o-Terphenyl | 101 | | 50 - 150 | | | | 03/26/19 12:18 | 04/01/19 20:43 | 1 |

TestAmerica Job ID: 580-84853-1

Client Sample ID: 1C-W-7-032119 Date Collected: 03/21/19 10:45 Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Arabita

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|--|
| #2 Diesel (C10-C24) | 0.096 | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 04/01/19 21:04 | 1 | |
| Motor Oil (>C24-C36) | 0.10 | | 0.091 | 0.091 | mg/L | | 03/26/19 12:18 | 04/01/19 21:04 | 1 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | |
| o-Terphenyl | 95 | | 50 - 150 | | | | 03/26/19 12:18 | 04/01/19 21:04 | 1 | |

Surrogate

o-Terphenyl

TestAmerica Job ID: 580-84853-1

Analyzed

Prepared

03/26/19 12:18 04/01/19 21:24

5

Dil Fac

1

Client Sample ID: 2A-W-42-032119 Lab Sample ID: 580-84853-27 Date Collected: 03/21/19 11:05 Matrix: Water Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Dil Fac Analyte Result Qualifier MDL Unit D RL Prepared Analyzed 03/26/19 12:18 04/01/19 21:24 #2 Diesel (C10-C24) 0.12 0.062 0.062 mg/L 1 03/26/19 12:18 04/01/19 21:24 0.091 0.091 mg/L Motor Oil (>C24-C36) 0.11 1

Limits

50 - 150

%Recovery Qualifier

83

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-28

Matrix: Water

Client Sample ID: MW-3-032119 Date Collected: 03/21/19 11:21 Date Received: 03/22/19 14:53

| | west - Semi-Volatile | | Floudels (GC) | | | | | | |
|----------------------|----------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | 0.72 | | 0.062 | 0.062 | mg/L | | 03/26/19 12:18 | 04/01/19 21:44 | 1 |
| Motor Oil (>C24-C36) | 1.9 | | 0.092 | 0.092 | mg/L | | 03/26/19 12:18 | 04/01/19 21:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 85 | | 50 - 150 | | | | 03/26/19 12:18 | 04/01/19 21:44 | 1 |

Lab Sample ID: 580-84853-29

Matrix: Water

Client Sample ID: 1C-W-1-032119

| Date Collected: 03/21/19 12:30 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 19:07 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/27/19 07:11 | 03/27/19 19:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 109 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 19:07 | 1 |

RL

RL

0.091

0.061

Limits

Limits

50 - 150

50 - 150

MDL Unit

0.061 mg/L

MDL Unit

0.091 mg/L

D

D

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

Client Sample ID: 1C-W-8-032119

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

Result Qualifier

Result Qualifier

Qualifier

Qualifier

ND

92

ND

104

%Recovery

%Recovery

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

Date Collected: 03/21/19 12:40 Date Received: 03/22/19 14:53

Analyte

Surrogate

Analyte

Surrogate

o-Terphenyl

o-Terphenyl

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

| Lab Sample | ID: | 580-848 | 53-30 |
|------------|-----|---------|-------|
| | | Matrix: | Water |

Analyzed

03/27/19 19:29

Analyzed

03/27/19 19:29

Analyzed

03/28/19 22:33

Analyzed

03/28/19 22:33

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

| TestAmerica Seattle | |
|---------------------|--|
|---------------------|--|

RL

RL

0.091

0.062

Limits

Limits

50 - 150

50 - 150

MDL Unit

0.062 mg/L

MDL Unit

0.091 mg/L

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

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

Result Qualifier

Result Qualifier

Qualifier

ND

100

ND

%Recovery Qualifier

117

%Recovery

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

Date Collected: 03/21/19 13:00

Date Received: 03/22/19 14:53

Analyte

Surrogate

Analyte

Surrogate

o-Terphenyl

o-Terphenyl

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

D

D

TestAmerica Job ID: 580-84853-1

Analyzed

03/27/19 19:51

Analyzed

03/27/19 19:51

Analyzed

03/28/19 22:54

Analyzed

03/28/19 22:54

Lab Sample ID: 580-84853-31 Matrix: Water Dil Fac

1

1

1

1

Dil Fac

Dil Fac

Dil Fac

| | 5 |
|--|---|
| | |
| | |
| | 8 |
| | 9 |
| | |

RL

RL

0.093

0.063

Limits

Limits

50 - 150

50 - 150

MDL Unit

0.063 mg/L

MDL Unit

0.093 mg/L

D

D

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Prepared

03/27/19 07:11

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

Client Sample ID: 1B-W-2-032119

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

Result Qualifier

Result Qualifier

Qualifier

ND

96

ND

%Recovery Qualifier

114

%Recovery

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

| Date Collected: 03/21/19 14:18 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

Analyte

Surrogate

Analyte

Surrogate

o-Terphenyl

o-Terphenyl

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

Lab Sample ID: 580-84853-32 Matrix: Water

Analyzed

03/27/19 20:13

Analyzed

03/27/19 20:13

Analyzed

03/28/19 23:14

Analyzed

03/28/19 23:14

| Dil Fac | |
|--------------|--|
| 1 | |
| Dil Fac 1 | |
| Dil Fac | |
| 1 Dil Fac | |
| 1 | |

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

Client Sample ID: 1C-W-4-032119

Lab Sample ID: 580-84853-33 Matrix: Water

5

Date Collected: 03/21/19 15:05 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|------------------------|------------------------|---------------|-------------|--------------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.095 | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 20:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 20:35 | |
| | thwest - Semi-Volatile | Petroleum | | - RA | | | 00,21,10 01.11 | 00/21/10/20.00 | |
| Method: NWTPH-Dx - Nort | | Petroleum Qualifier | | - RA MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| Method: NWTPH-Dx - Nort Analyte | | | Products (GC) | MDL | Unit mg/L | D | | | Dil Fa |
| Method: NWTPH-Dx - Nort | Result | Qualifier | Products (GC) | MDL | | D | Prepared | Analyzed | Dil Fa |

Client Sample ID: 1C-W-3-032119

| Date Collected: 03/21/19 15:00 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 20:57 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/27/19 07:11 | 03/27/19 20:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 100 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 20:57 | 1 |

 Prepared
 Analyzed
 Dil Fac
 5

 03/27/19 07:11
 03/27/19 20:57
 1
 6

Lab Sample ID: 580-84853-35

Client Sample ID: 1B-W-3-032119

| Date Collected: 03/21/19 15:05 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 21:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/27/19 21:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 94 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 21:19 | 1 |

Matrix: Water

5

Lab Sample ID: 580-84853-36

Matrix: Water

Client Sample ID: S1-BD-032119

| Date Collected: 03/21/19 16:05 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 21:41 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/27/19 07:11 | 03/27/19 21:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 21:41 | 1 |

Client Sample ID: S1-AU-032119

| Date Collected: 03/21/19 16:10 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

Lab Sample ID: 580-84853-37

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 22:03 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/27/19 22:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 92 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 22:03 | 1 |

Lab Sample ID: 580-84853-38

Matrix: Water

Client Sample ID: S1-BU-032119

| Date Collected: 03/21/19 16:05 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 22:25 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/27/19 22:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 96 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 22:25 | 1 |

Client Sample ID: S1-AD-032119

| Date Collected: 03/21/19 16:10 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |

Lab Sample ID: 580-84853-39

Matrix: Water

| nalyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|--|
| 2 Diesel (C10-C24) | ND | | 0.064 | 0.064 | mg/L | | 03/27/19 07:11 | 03/27/19 23:08 | 1 | |
| lotor Oil (>C24-C36) | ND | | 0.095 | 0.095 | mg/L | | 03/27/19 07:11 | 03/27/19 23:08 | 1 | |
| urrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | |
| -Terphenyl | 91 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 23:08 | 1 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

Client Sample ID: S4-CU-032219

Date Collected: 03/22/19 10:06

Lab Sample ID: 580-84853-40 Matrix: Water

| Date Received: 03/22/19 14:53 | | | | | | | | | |
|---------------------------------|---------------------|-------------|-----------------|-------|------|---|----------------|----------------|---------|
| Method: NWTPH-Dx - Northwe | est - Semi-Volatile | e Petroleun | n Products (GC) | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | 0.093 | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 23:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 93 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 23:30 | 1 |
| - Method: NWTPH-Dx - Northwe | est - Semi-Volatile | e Petroleun | n Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/28/19 23:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 106 | | 50 - 150 | | | | 03/27/19 07:11 | 03/28/19 23:54 | 1 |

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-41

Matrix: Water

Client Sample ID: S4-CD-032219 Date Collected: 03/22/19 10:09

| Date Received: 03/22/19 14:53 |
|-------------------------------|
|-------------------------------|

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/27/19 23:52 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/27/19 23:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 90 | | 50 - 150 | | | | 03/27/19 07:11 | 03/27/19 23:52 | 1 |

TestAmerica Job ID: 580-84853-1

Client Sample ID: S4-BD-032219

Date Collected: 03/22/19 09:37 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/28/19 00:14 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/27/19 07:11 | 03/28/19 00:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 92 | | 50 - 150 | | | | 03/27/19 07:11 | 03/28/19 00:14 | 1 |

Lab Sample ID: 580-84853-42 Matrix: Water

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-43

Matrix: Water

5

Client Sample ID: S4-BU-032219

| Date Collected: 03/22/19 09:37 | |
|--------------------------------|--|
| Date Received: 03/22/19 14:53 | |
| | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 03/27/19 07:11 | 03/28/19 00:36 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/28/19 00:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 89 | | 50 - 150 | | | | 03/27/19 07:11 | 03/28/19 00:36 | 1 |

TestAmerica Job ID: 580-84853-1

Client Sample ID: S3-AU-032219

Date Collected: 03/22/19 08:55 Date Received: 03/22/19 14:53

| Lab Sample | ID: | 580-84853-44 |
|------------|-----|---------------|
| | | Matrix: Water |

| Method: NWTPH-Dx - North | west - Semi-Volatile | Petroleum | Products (GC) | | | | | | |
|--------------------------|----------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/28/19 00:57 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/28/19 00:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 03/27/19 07:11 | 03/28/19 00:57 | 1 |

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-45

Matrix: Water

Client Sample ID: S3-BU-032219

Date Collected: 03/22/19 08:58 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/28/19 01:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/28/19 01:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 95 | | 50 - 150 | | | | 03/27/19 07:11 | 03/28/19 01:19 | 1 |

TestAmerica Job ID: 580-84853-1

Client Sample ID: S4-AD-032219 Date Collected: 03/22/19 10:05

| Date Received: 03/22/19 | 4:53 | | |
|-------------------------|--------------------------------------|---------------|---------|
| Method: NWTPH-Dx - No | orthwest - Semi-Volatile Petroleum F | Products (GC) | |
| Analyte | Result Qualifier | RL | MDL Uni |

| | oonn ronanno | | | - / | | | | | |
|----------------------|--------------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/28/19 01:41 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/28/19 01:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 90 | | 50 - 150 | | | | 03/27/19 07:11 | 03/28/19 01:41 | 1 |

 Analyzed
 Dil Fac
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 03/27/19 07:11
 03/28/19 01:41
 1
 6

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-47

Matrix: Water

Client Sample ID: S3-CU-032219

Date Collected: 03/22/19 09:30 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 07:11 | 03/28/19 02:03 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 07:11 | 03/28/19 02:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 92 | | 50 - 150 | | | | 03/27/19 07:11 | 03/28/19 02:03 | 1 |

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-48

Matrix: Water

5

Client Sample ID: S4-AU-032219

Date Collected: 03/22/19 10:05 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 12:46 | 04/01/19 05:27 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 12:46 | 04/01/19 05:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 90 | | 50 - 150 | | | | 03/27/19 12:46 | 04/01/19 05:27 | 1 |

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-49

Matrix: Water

Client Sample ID: S3-BD-032219

Date Collected: 03/22/19 08:55 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 12:46 | 04/01/19 03:46 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/27/19 12:46 | 04/01/19 03:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 103 | | 50 - 150 | | | | 03/27/19 12:46 | 04/01/19 03:46 | 1 |

TestAmerica Job ID: 580-84853-1

Lab Sample ID: 580-84853-50

Matrix: Water

Client Sample ID: S3-AD-032219

| | te Collected: 03/22/19 08:55 te Received: 03/22/19 14:53 |
|---|---|
| м | ethod: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) |

| Analyte | | Qualifier | RL | MDL | | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 12:46 | 04/01/19 04:06 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 03/27/19 12:46 | 04/01/19 04:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 94 | | 50 - 150 | | | | 03/27/19 12:46 | 04/01/19 04:06 | 1 |

Matrix: Water

Client Sample ID: MW-555-032219 Lab Sample ID: 580-84853-51 Date Collected: 03/22/19 11:05

| | Date Received: 03/22/19 14:53 | |
|--|-------------------------------|--|
|--|-------------------------------|--|

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|--|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 12:46 | 04/01/19 04:26 | 1 | |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 12:46 | 04/01/19 04:26 | 1 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | |
| o-Terphenyl | 90 | | 50 - 150 | | | | 03/27/19 12:46 | 04/01/19 04:26 | 1 | |

Matrix: Water

Client Sample ID: S3-CD-0322219 Lab Sample ID: 580-84853-52 Date Collected: 03/22/19 09:30 Date Received: 03/22/19 14:53

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 03/27/19 12:46 | 04/01/19 04:46 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 03/27/19 12:46 | 04/01/19 04:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 93 | | 50 - 150 | | | | 03/27/19 12:46 | 04/01/19 04:46 | 1 |

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Surrogate

o-Terphenyl

Analyzed

04/01/19 05:06

Prepared

03/27/19 12:46

5

Dil Fac

1

Client Sample ID: MW-30-032119 Lab Sample ID: 580-84853-53 Date Collected: 03/21/19 11:28 Matrix: Water Date Received: 03/22/19 14:53 Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Dil Fac Analyte Result Qualifier MDL Unit D RL Prepared Analyzed 03/27/19 12:46 #2 Diesel (C10-C24) 0.64 0.062 0.062 mg/L 04/01/19 05:06 1 03/27/19 12:46 04/01/19 05:06 0.092 0.092 mg/L Motor Oil (>C24-C36) 1.9 1

Limits

50 - 150

%Recovery Qualifier

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

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 297119 5 repared Analyzed Dil Fac

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| Lab Sample ID: MB 580-29711 | 19/1-A | | | | | | | | | | | Client Sa | mple ID: I | Nethod | d Blank |
|--------------------------------|-----------|------|-----------|----------|----|----------------|-------|--------|-------------|-------|-------|-------------|----------------------|--------|-------------------|
| Matrix: Water | | | | | | | | | | | | | | | otal/NA |
| Analysis Batch: 297203 | | | | | | | | | | | | | | | 297119 |
| | | ΜВ | MB | | | | | | | | | | | | |
| Analyte | Res | sult | Qualifier | R | ۲L | | MDL | Unit | | D | Р | repared | Analyz | ed | Dil Fac |
| #2 Diesel (C10-C24) | | ND | | 0.06 | 65 | (| 0.065 | mg/L | | | 03/2 | 6/19 10:36 | 03/26/19 | 9:05 | 1 |
| Motor Oil (>C24-C36) | | ND | | 0.09 | 96 | (| 0.096 | mg/L | | | 03/2 | 6/19 10:36 | 03/26/19 | 19:05 | 1 |
| | | | | | | | | | | | | | | | |
| | | MВ | MB | | | | | | | | _ | | | | |
| Surrogate | %Recov | | Qualifier | Limits | | | | | | | | repared | Analyz | | Dil Fac |
| o-Terphenyl | | 106 | | 50 - 150 | | | | | | | 03/2 | 26/19 10:36 | 03/26/19 | 19:05 | 1 |
| Lab Sample ID: LCS 580-2971 | 10/2 4 | | | | | | | | | ~ | liont | Sample | ID: Lab Co | ntrol | Sampla |
| Matrix: Water | 15/2-A | | | | | | | | | C | nem | Sample | | | |
| | | | | | | | | | | | | | | | otal/NA 297119 |
| Analysis Batch: 297203 | | | | Spike | | LCS | LCS | | | | | | %Rec. | Jaton. | 257115 |
| Analyte | | | | Added | | Result | | lifier | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | | 0.500 | | 0.425 | | | mg/L | | | 85 | 50 ₋ 120 | | |
| Motor Oil (>C24-C36) | | | | 0.500 | | 0.468 | | | mg/L | | | 94 | 64 _ 120 | | |
| | | | | 0.000 | | 000 | | | <u>9</u> .= | | | 0.1 | 0.1-120 | | |
| | LCS | LCS | | | | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | | | | |
| o-Terphenyl | 91 | | | 50 - 150 | | | | | | | | | | | |
| _ | | | | | | | | | _ | | | | | | |
| Lab Sample ID: LCSD 580-297 | 7119/3-A | | | | | | | | C | lient | Sam | ple ID: L | ab Contro | | |
| Matrix: Water | | | | | | | | | | | | | | | otal/NA |
| Analysis Batch: 297203 | | | | 0 | | 1.005 | | _ | | | | | | Satch: | 297119 |
| A b -d | | | | Spike | | LCSD | | | 11 | | - | 0/ D | %Rec. | | RPD |
| Analyte #2 Diesel (C10-C24) | | | | Added | | Result | Qua | litier | Unit | | | %Rec | Limits | | Limit |
| | | | | | | 0.396 0.463 | | | mg/L | | | 79 93 | 50 - 120 64 - 120 | 1 | 26 24 |
| Motor Oil (>C24-C36) | | | | 0.500 | | 0.403 | | | mg/L | | | 93 | 04 - 120 | I | 24 |
| | LCSD | LCS | D | | | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | | | | |
| o-Terphenyl | 82 | | | 50 - 150 | | | | | | | | | | | |
| _ | | | | | | | | | | | | | | | |
| Lab Sample ID: MB 580-29714 | 13/1-A | | | | | | | | | | | Client Sa | mple ID: I | | |
| Matrix: Water | | | | | | | | | | | | | | | otal/NA |
| Analysis Batch: 297186 | | | | | | | | | | | | | Prep E | Batch: | 297143 |
| • • • | | | MB | _ | | | | | | _ | _ | | | | |
| Analyte | | | Qualifier | R | _ | | MDL | | | D | - | repared | Analyz | | Dil Fac |
| #2 Diesel (C10-C24) | | ND | | 0.06 | | | | mg/L | | | | 6/19 12:18 | 03/30/19 | | 1 |
| Motor Oil (>C24-C36) | | ND | | 0.09 | 90 | (| 0.096 | mg/L | | | 03/2 | 6/19 12:18 | 03/30/19 ′ | 10:54 | 1 |
| | | ΜВ | МВ | | | | | | | | | | | | |
| Surrogate | %Recov | rery | Qualifier | Limits | | | | | | | Р | repared | Analyz | ed | Dil Fac |
| o-Terphenyl | | 101 | | 50 - 150 | _ | | | | | | 03/2 | 26/19 12:18 | 03/30/19 | 10:54 | 1 |
| _ | | | | | | | | | | | | | | | |
| Lab Sample ID: LCS 580-2971 | 43/2-A | | | | | | | | | С | lient | Sample | ID: Lab Co | | |
| Matrix: Water | | | | | | | | | | | | | | | otal/NA |
| Analysis Batch: 297186 | | | | | | | | | | | | | | Batch: | 297143 |
| | | | | Spike | | | LCS | | | | | | %Rec. | | |
| Analyte | | | | Added | | Result | Qua | lifier | Unit | | | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | | 0.500 | | 0.441 | | | mg/L | | | 88 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | | 0.500 | | 0.421 | | | mg/L | | | 84 | 64 - 120 | | |

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| Lab Sample ID: LCS 580-2971 | 43/2-A | | | | | | Clie | ent Sam | ple | ID: Lab Co | | |
|--|-----------|-----------------|----------|--------|-----------|------|--------|-----------|--------------|------------|----------|---------|
| Matrix: Water | | | | | | | | | | Prep Ty | ype: To | otal/NA |
| Analysis Batch: 297186 | | | | | | | | | | Prep E | Batch: 2 | 297143 |
| | LCS | LCS | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | | |
| o-Terphenyl | 108 | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: LCSD 580-297 | ′143/3-A | | | | | С | ient S | ample I | D: La | ab Contro | I Samp | le Dup |
| Matrix: Water | | | | | | | | | | Prep Ty | ype: To | otal/NA |
| Analysis Batch: 297186 | | | | | | | | | | Prep E | Batch: 2 | 297143 |
| | | | Spike | LCSD | LCSD | | | | | %Rec. | | RPD |
| Analyte | | | Added | Result | Qualifier | Unit | | D %Re | ec _ | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | 0.500 | 0.461 | | mg/L | | ç | 92 | 50 - 120 | 4 | 26 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.449 | | mg/L | | ç | 90 | 64 - 120 | 7 | 24 |
| | LCSD | LCSD | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | | |
| o-Terphenyl | 113 | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: MB 580-29721 | 7/1_4 | | | | | | | Clier | nt Sa | mple ID: I | Method | l Blank |
| Matrix: Water | | | | | | | | oner | | Prep T | | |
| Analysis Batch: 297262 | | | | | | | | | | | Batch: 2 | |
| ····· , ··· · · · · · · · · · · · · · · · · · | | MB MB | | | | | | | | | | |
| Analyte | Re | esult Qualifier | RL | | MDL Uni | t | D | Prepare | ed | Analyz | ed | Dil Fac |
| #2 Diesel (C10-C24) | | ND | 0.065 | (| 0.065 mg/ | L | 0 | 3/27/19 0 |)7:11 | 03/27/19 1 | 17:16 | 1 |
| Motor Oil (>C24-C36) | | ND | 0.096 | (|).096 mg/ | L | 0 | 3/27/19 0 |)7:11 | 03/27/19 1 | 17:16 | 1 |
| | | MB MB | | | | | | | | | | |
| Surrogate | %Reco | very Qualifier | Limits | | | | | Prepare | ∋d | Analyz | ed | Dil Fac |
| o-Terphenyl | | 103 | 50 - 150 | | | | C | 3/27/19 0 |)7:11 | 03/27/19 | 17:16 | 1 |
| Lab Sample ID: LCS 580-2972 | 17/2-A | | | | | | Clie | ent Sam | ple | ID: Lab Co | ontrol S | Sample |
| Matrix: Water | | | | | | | | | ÷ | Prep Ty | | |
| Analysis Batch: 297262 | | | | | | | | | | Prep E | Batch: 2 | 297217 |
| | | | Spike | LCS | LCS | | | | | %Rec. | | |
| Analyte | | | Added | Result | Qualifier | Unit | | D %Re | ec | Limits | | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.410 | | mg/L | | | 32 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.520 | | mg/L | | 10 |)4 | 64 - 120 | | |
| | LCS | LCS | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | | |
| o-Terphenyl | 94 | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: LCSD 580-297 | 217/2-1 | | | | | C | iont S | amplo I | D • L | ab Contro | l Samn | |
| Matrix: Water | 211/0-4 | | | | | | | ampici | D. L | Prep T | | |
| Analysis Batch: 297262 | | | | | | | | | | | Batch: 2 | |
| | | | Spike | LCSD | LCSD | | | | | %Rec. | | RPD |
| Analyte | | | Added | Result | Qualifier | Unit | | D %Re | ec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | 0.500 | 0.458 | | mg/L | | ç | 92 — | 50 - 120 | 11 | 26 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.530 | | mg/L | | 10 | 06 | 64 - 120 | 2 | 24 |
| | | | | | | | | | | | | |
| | LCSD | LCSD | | | | | | | | | | |

93 o-Terphenyl

TestAmerica Seattle

50 - 150

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| Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued) | |
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| Lab Sample ID: MB 580-297 Matrix: Water | 265/1-A | | | | | | | | | Client Sa | mple ID: M Prep Ty | | |
|--|-------------|---------------|----------|--------|------|-------|------|------|-------|------------|-----------------------|----------|---------|
| Analysis Batch: 297618 | | | | | | | | | | | Prep E | Batch: 2 | 97265 |
| - | N | IB MB | | | | | | | | | | | |
| Analyte | Res | ult Qualifier | RL | | MDL | Unit | | D | Р | repared | Analyze | əd | Dil Fac |
| #2 Diesel (C10-C24) | N | ND | 0.065 | 0 | .065 | mg/L | | · | 03/2 | 7/19 12:46 | 03/31/19 2 | 21:44 | 1 |
| Motor Oil (>C24-C36) | Ν | 1D | 0.096 | 0 | .096 | mg/L | | | 03/2 | 7/19 12:46 | 03/31/19 2 | 21:44 | 1 |
| | ٨ | IB MB | | | | | | | | | | | |
| Surrogate | %Recove | ry Qualifier | Limits | | | | | | P | repared | Analyze | ed | Dil Fac |
| o-Terphenyl | 1 | 20 | 50 - 150 | | | | | | 03/2 | 7/19 12:46 | 03/31/19 2 | 21:44 | 1 |
| Lab Sample ID: LCS 580-297 | 7265/2-A | | | | | | | C | lient | Sample | ID: Lab Co | ontrol S | ample |
| Matrix: Water | | | | | | | | | | | Prep Ty | pe: To | tal/NA |
| Analysis Batch: 297618 | | | | | | | | | | | | Batch: 2 | |
| - | | | Spike | LCS | LCS | | | | | | %Rec. | | |
| Analyte | | | Added | Result | Qual | ifier | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.432 | | | mg/L | | _ | 86 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.486 | | | mg/L | | | 97 | 64 _ 120 | | |
| | LCS L | cs | | | | | | | | | | | |
| Surrogate | %Recovery Q | ualifier | Limits | | | | | | | | | | |
| o-Terphenyl | 87 | | 50 - 150 | | | | | | | | | | |
| Lab Sample ID: LCSD 580-2 | 97265/3-A | | | | | | С | ient | Sam | ple ID: L | ab Control | l Sampl | le Dup |
| Matrix: Water | | | | | | | | | | | Prep Ty | pe: To | tal/NA |
| Analysis Batch: 297618 | | | | | | | | | | | Prep E | Batch: 2 | 297265 |
| - | | | Spike | LCSD | LCSI | D | | | | | %Rec. | | RPD |
| Analyte | | | Added | Result | Qual | ifier | Unit | | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | 0.500 | 0.485 | | | mg/L | | _ | 97 | 50 - 120 | 11 | 26 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.556 | | | mg/L | | | 111 | 64 _ 120 | 13 | 24 |
| | LCSD L | CSD | | | | | | | | | | | |
| Surrogate | %Recovery Q | ualifier | Limits | | | | | | | | | | |
| o-Terphenyl | 90 | | 50 - 150 | | | | | | | | | | |

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

| Lab Sample ID: MB 580-297265/1-B | | | | | | | | | | Client Sa | mple ID: Metho | d Blank |
|--|-----------|-----------|----------|--------|------|--------|------|---|-------|------------------|-----------------|----------|
| Matrix: Water | | | | | | | | | | | Prep Type: 1 | Total/NA |
| Analysis Batch: 297618 | | | | | | | | | | | Prep Batch | : 297265 |
| | MB | MB | | | | | | | | | | |
| Analyte | Result | Qualifier | RL | ľ | MDL | Unit | | D | P | repared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.065 | 0 | .065 | mg/L | | _ | 03/2 | 7/19 12:46 | 03/31/19 15:22 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.096 | 0 | .096 | mg/L | | | 03/2 | 7/19 12:46 | 03/31/19 15:22 | 1 |
| | MB | МВ | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | P | repared | Analyzed | Dil Fac |
| o-Terphenyl | 113 | | 50 - 150 | | | | | | 03/2 | 7/19 12:46 | 03/31/19 15:22 | 1 |
| - Lab Sample ID: LCS 580-297265/2-B | | | | | | | | С | lient | Sample | ID: Lab Control | Sample |
| Matrix: Water | | | | | | | | | | | Prep Type: 1 | Total/NA |
| Analysis Batch: 297618 | | | | | | | | | | | Prep Batch | 297265 |
| | | | Spike | LCS | LCS | | | | | | %Rec. | |
| Analyte | | | Added | Result | Qual | lifier | Unit | | D | %Rec | Limits | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.462 | | | mg/L | | | 92 | 50 - 120 | |

5

6

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

| Lab Sample ID: LCS 580-297 | 7265/2-B | | | | | | Client | Sample | ID: Lab Co | ontrol Sa | ample |
|--|---------------|-----------|-------------------------|---------------------|-------------------|---------------------|--------|-------------------|---|----------------------------------|--------------------------------|
| Matrix: Water | | | | | | | | | Prep T | ype: To | tal/NA |
| Analysis Batch: 297618 | | | | | | | | | Prep I | Batch: 2 | 97265 |
| | | | Spike | LCS | LCS | | | | %Rec. | | |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.548 | | mg/L | | 110 | 64 - 120 | | |
| | LCS | LCS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| | | | | | | | | | | | |
| | 97265/3-B | | 50 - 150 | | | Clie | nt Sam | nle ID: | ab Contro | al Samol | e Du |
| Lab Sample ID: LCSD 580-2 Matrix: Water | | | 50 - 150 | | | Clie | nt Sam | iple ID: I | | ype: To | tal/N/ |
| Lab Sample ID: LCSD 580-2 Matrix: Water | | | 50 - 150 Spike | LCSD | LCSD | Clie | nt Sam | ple ID: I | Prep T | | tal/NA 9726 |
| Lab Sample ID: LCSD 580-2 Matrix: Water Analysis Batch: 297618 | | | | | LCSD Qualifier | Clie Unit | nt Sam | ple ID: %Rec | Prep T Prep I | ype: To | tal/NA 9726 RPI |
| Lab Sample ID: LCSD 580-2 Matrix: Water Analysis Batch: 297618 ^{Analyte} | | | Spike | | | | | | Prep T Prep I %Rec. | ype: To Batch: 2 | tal/NA 9726 RPI Limi |
| Lab Sample ID: LCSD 580-2 Matrix: Water Analysis Batch: 297618 Analyte #2 Diesel (C10-C24) | | | Spike Added | Result | | Unit | | %Rec | Prep T Prep I %Rec. Limits | ype: Tot Batch: 2 RPD | tal/N/ 9726 RPI Limi |
| Lab Sample ID: LCSD 580-2 Matrix: Water Analysis Batch: 297618 Analyte #2 Diesel (C10-C24) | 97265/3-B | LCSD | Spike Added 0.500 | Result 0.429 | | Unit mg/L | | %Rec 86 | Prep T Prep I %Rec. Limits 50 - 120 | ype: Tot Batch: 2 RPD 7 | tal/NA 97265 RPE Limi |
| o-Terphenyl Lab Sample ID: LCSD 580-2 Matrix: Water Analysis Batch: 297618 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate | 97265/3-B | | Spike Added 0.500 | Result 0.429 | | Unit mg/L | | %Rec 86 | Prep T Prep I %Rec. Limits 50 - 120 | ype: Tot Batch: 2 RPD 7 | tal/NA |

Factor

Dilution

Factor

Dilution

Factor

1

1

1

Run

Run

Run

Batch

Number

297119

297203

Batch

Number

297119

297203

Batch

Number

297119

297203

Prepared

or Analyzed

03/26/19 10:36

03/27/19 01:07

Prepared

or Analyzed

03/26/19 10:36

03/27/19 01:27

Prepared

or Analyzed

03/26/19 10:36

03/27/19 01:47

Analyst

Analyst

Analyst

KO

JCM

кo

JCM

кo

JCM

Batch

Туре

Prep

Client Sample ID: 5-W-19-032019

Date Collected: 03/20/19 11:11 Date Received: 03/22/19 14:53

Analysis

Batch

Туре

Prep

Client Sample ID: 5-W-17-032019

Date Collected: 03/20/19 12:14 Date Received: 03/22/19 14:53

Analysis

Batch

Туре

Prep

Analysis

Batch

Method

3510C

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

NWTPH-Dx

Client Sample ID: 5-W-18-032019

Date Collected: 03/20/19 11:04 Date Received: 03/22/19 14:53

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

| TestAmerica Job ID: 580-84853-1 | 2 |
|---|----|
| | |
| Lab Sample ID: 580-84853-1 | 3 |
| Matrix: Water | 4 |
| st Lab | 5 |
| TAL SEA | |
| TAL SEA | 6 |
| | 7 |
| Lab Sample ID: 580-84853-2 Matrix: Water | 0 |
| matrix: Water | ð |
| | 9 |
| st Lab | 10 |
| TAL SEA | 10 |
| TAL SEA | 11 |
| Lab Sample ID: 580-84853-3 | |
| Matrix: Water | |
| | |
| st Lab | |
| | |
| TAL SEA | |

Client Sample ID: 5-W-170-032019

Lab Sample ID: 580-84853-4

Lab Sample ID: 580-84853-5

Lab Sample ID: 580-84853-6

Matrix: Water

Matrix: Water

Matrix: Water

Date Collected: 03/20/19 12:16 Date Received: 03/22/19 14:53

| [| Batch | Batch | _ | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/27/19 02:27 | JCM | TAL SEA |

Client Sample ID: 1A-W-4-032019 Date Collected: 03/20/19 16:30 Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/27/19 02:47 | JCM | TAL SEA |

Client Sample ID: GW-3-032019 Date Collected: 03/20/19 14:35

Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297265 | 03/27/19 12:46 | KO | TAL SEA |
| Total/NA | Cleanup | 3630C | | | 297314 | 03/27/19 18:34 | BAH | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297618 | 03/31/19 16:22 | W1T | TAL SEA |

Lab Chronicle

TestAmerica Job ID: 580-84853-1

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297265 | 03/27/19 12:46 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297618 | 03/31/19 23:04 | W1T | TAL SEA |

Client Sample ID: GW-30-032019

Date Collected: 03/20/19 14:45

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297119 | 03/26/19 10:36 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297203 | 03/27/19 03:08 | JCM | TAL SEA |

Client Sample ID: 1B-W-23-032019

Date Collected: 03/20/19 14:30

Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 12:00 | T1W | TAL SEA |

Client Sample ID: 2A-W-41-032019

Date Collected: 03/20/19 15:55 Date Received: 03/22/19 14:53

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA 3510C 297265 03/27/19 12:46 KO TAL SEA Prep Total/NA 3630C 297314 03/27/19 18:34 TAL SEA Cleanup BAH Total/NA NWTPH-Dx 297618 03/31/19 16:42 W1T TAL SEA Analysis 1 Total/NA Prep 3510C 297265 03/27/19 12:46 KO TAL SEA Total/NA NWTPH-Dx 297618 03/31/19 23:24 W1T TAL SEA Analysis 1

Client Sample ID: 2A-W-410-032019

Date Collected: 03/20/19 16:20

Date Received: 03/22/19 14:53

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 12:21 | T1W | TAL SEA |

Client Sample ID: 2A-W-40-032019 Date Collected: 03/20/19 17:55

Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 12:43 | T1W | TAL SEA |

TestAmerica Seattle

Lab Sample ID: 580-84853-9 Matrix: Water

Lab Sample ID: 580-84853-10

Lab Sample ID: 580-84853-11

Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: 5-W-51-032019

Batch

Туре

Prep

Client Sample ID: 5-W-56-032019

Date Collected: 03/20/19 15:09 Date Received: 03/22/19 14:53

Date Collected: 03/20/19 15:20 Date Received: 03/22/19 14:53

Analysis

Batch

Туре

Prep

Client Sample ID: 5-W-560-032019

Analysis

Batch

Туре

Prep

Client Sample ID: 5-W-55-032019

Date Collected: 03/20/19 15:21 Date Received: 03/22/19 14:53

Date Collected: 03/20/19 17:04 Date Received: 03/22/19 14:53

Analysis

Batch

Туре

Prep

Client Sample ID: MW-38R-032019

Analysis

Batch

Туре

Prep

Analysis

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

NWTPH-Dx

NWTPH-Dx

NWTPH-Dx

Date Collected: 03/20/19 13:54 Date Received: 03/22/19 14:53

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Prep Type

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA Total/NA

| | | | | nicle | _ab Chro | L |
|--|--|--|--|--|--|-----|
| b ID: 580-84853-1 | estAmerica Joł | Т | | | | |
| : 580-84853-12 | Sample ID | Lal | | | | |
| Matrix: Water | | | | | | |
| | | | Prepared | Batch | Dilution | |
| | Lab | Analyst | or Analyzed | Number | Factor | Run |
| | TAL SEA | KO | 03/26/19 12:18 | 297143 | | |
| | TAL SEA | T1W | 03/30/19 13:06 | 297186 | 1 | |
| : 580-84853-13 | Sample ID | Lal | | | | |
| Matrix: Water | | | | | | |
| | | | Prepared | Batch | Dilution | |
| | Lab | Analyst | or Analyzed | Number | Factor | Run |
| | TAL SEA | КО | 03/26/19 12:18 | 297143 | | |
| | TAL SEA | T1W | 03/30/19 13:28 | 297186 | 1 | |
| | | | | | | |
| | o Sample ID | Lal | | | | |
| | o Sample ID | Lal | Prepared | Batch | Dilution | |
| | Sample ID | Lal | Prepared or Analyzed | Batch Number | Dilution Factor | tun |
| | | | - | | | Run |
| : 580-84853-14 Matrix: Wate | Lab | Analyst | or Analyzed | Number | | Run |
| Matrix: Wate | Lab TAL SEA TAL SEA | Analyst KO T1W | or Analyzed 03/26/19 12:18 | Number 297143 | Factor | Run |
| Matrix: Wate | Lab TAL SEA TAL SEA | Analyst KO T1W | or Analyzed 03/26/19 12:18 | Number 297143 | Factor | Run |
| Matrix: Wate | Lab TAL SEA TAL SEA | Analyst KO T1W | or Analyzed 03/26/19 12:18 03/30/19 13:50 | Number 297143 297186 | Factor1 | |
| Matrix: Wate | Lab TAL SEA TAL SEA Sample ID | Analyst KO T1W | or Analyzed 03/26/19 12:18 03/30/19 13:50 Prepared | Number 297143 297186 Batch | 1 | |
| | Lab TAL SEA TAL SEA Sample ID | Analyst KO T1W Lal | or Analyzed 03/26/19 12:18 03/30/19 13:50 Prepared or Analyzed | Number 297143 297186 Batch Number | 1 | |
| Matrix: Wate | Lab TAL SEA TAL SEA Sample ID Sample ID TAL SEA TAL SEA | Analyst KO T1W Lal Analyst KO T1W | or Analyzed 03/26/19 12:18 03/30/19 13:50 Prepared or Analyzed 03/26/19 12:18 | Number 297143 297186 Batch Number 297143 | Factor 1 Dilution Factor | Run |
| Matrix: Wate : 580-84853-14 Matrix: Wate : 580-84853-16 | Lab TAL SEA TAL SEA Sample ID Sample ID TAL SEA TAL SEA | Analyst KO T1W Lal Analyst KO T1W | or Analyzed 03/26/19 12:18 03/30/19 13:50 Prepared or Analyzed 03/26/19 12:18 | Number 297143 297186 Batch Number 297143 | Factor 1 Dilution Factor | |
| Matrix: Wate : 580-84853-14 Matrix: Wate : 580-84853-16 | Lab TAL SEA TAL SEA Sample ID Sample ID TAL SEA TAL SEA | Analyst KO T1W Lal Analyst KO T1W | or Analyzed 03/26/19 12:18 03/30/19 13:50 Prepared or Analyzed 03/26/19 12:18 03/30/19 14:12 | Number 297143 297186 Batch Number 297143 297143 297186 | Factor 1 Dilution Factor 1 | Run |
| Matrix: Wate : 580-84853-14 Matrix: Wate : 580-84853-16 | Lab TAL SEA TAL SEA Sample ID A TAL SEA TAL SEA TAL SEA | Analyst KO T1W Lal Analyst KO T1W Lal | or Analyzed 03/26/19 12:18 03/30/19 13:50 Prepared 03/26/19 12:18 03/30/19 14:12 Prepared | Number 297143 297186 Batch Number 297143 297143 297186 | Factor 1 Dilution Factor 1 Dilution | |

Client Sample ID: MW-380R-032019 Date Collected: 03/20/19 17:02 Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 15:19 | T1W | TAL SEA |

TestAmerica Seattle

Matrix: Water

Lab Sample ID: 580-84853-17

Dilution

Factor

1

Factor

1

Run

Run

Batch

Number

297143

297186

Batch

Number

297143

297186

Prepared

or Analyzed

03/26/19 12:18

03/30/19 15:42

Batch

Туре

Prep

Client Sample ID: 5-W-16-032019

Date Collected: 03/20/19 11:59

Date Received: 03/22/19 14:53

Analysis

Batch

Туре

Prep

Analysis

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

Client Sample ID: 5-W-14-032019

Date Collected: 03/20/19 12:54

Date Received: 03/22/19 14:53

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Lab Sample ID: 580-84853-18

Lab Sample ID: 580-84853-19

2 3 4 5 6 7 8

Matrix: Water

Matrix: Water

| Prepared | | |
|----------------|---------|---------|
| or Analyzed | Analyst | Lab |
| 03/26/19 12:18 | КО | TAL SEA |
| 03/30/19 16:05 | T1W | TAL SEA |

Analyst

KO

T1W

Lab

TAL SEA

TAL SEA

Client Sample ID: 2A-W-10-032119 Date Collected: 03/21/19 09:54 Date Received: 03/22/19 14:53

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 16:27 | T1W | TAL SEA |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | ко | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297706 | 04/01/19 20:03 | CJ | TAL SEA |

Client Sample ID: MW-4-032119

Date Collected: 03/21/19 10:56 Date Received: 03/22/19 14:53

| - | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 16:50 | T1W | TAL SEA |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297706 | 04/01/19 20:23 | CJ | TAL SEA |

Client Sample ID: 2B-W-4-032119 Date Collected: 03/21/19 12:04 Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 17:13 | T1W | TAL SEA |

TAL SEA

Lab Sample ID: 580-84853-20

Lab Sample ID: 580-84853-21

Lab Sample ID: 580-84853-22

Matrix: Water

Matrix: Water

Matrix: Water

Factor

1

1

Run

Run

Batch

Number

297143

297186

297186

Batch

Туре

Prep

Batch

Туре

Prep

Analysis

Client Sample ID: EW-2A-032119

Analysis

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

Client Sample ID: GW-4-032119

Date Collected: 03/21/19 09:50

Date Received: 03/22/19 14:53

Date Collected: 03/21/19 09:50

Date Received: 03/22/19 14:53

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Lab Sample ID: 580-84853-23 Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-84853-24 Dilution Batch Prepared Factor Number or Analyzed Lab Analyst 297143 03/26/19 12:18 KO TAL SEA

03/30/19 17:58

Prepared

or Analyzed

03/26/19 12:18

03/30/19 17:35

Analyst

KO

T1W

T1W

Lab

TAL SEA

TAL SEA

TAL SEA

Lab Sample ID: 580-84853-25

Lab Sample ID: 580-84853-26

Lab Sample ID: 580-84853-27

Lab Sample ID: 580-84853-28

Client Sample ID: 2A-W-9-032119 Date Collected: 03/21/19 09:54 Date Received: 03/22/19 14:53

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297186 | 03/30/19 18:20 | T1W | TAL SEA |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | ко | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297706 | 04/01/19 20:43 | CJ | TAL SEA |

Client Sample ID: 1C-W-7-032119

Date Collected: 03/21/19 10:45 Date Received: 03/22/19 14:53

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297706 | 04/01/19 21:04 | CJ | TAL SEA |

Client Sample ID: 2A-W-42-032119 Date Collected: 03/21/19 11:05 Data Bassivadi 02/22/40 44.52

| Date Received: 0 | 3/22/19 14:53 |
|------------------|---------------|
| | |
| | |

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297706 | 04/01/19 21:24 | CJ | TAL SEA |

Client Sample ID: MW-3-032119 Date Collected: 03/21/19 11:21

Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|-------|--------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297143 | 03/26/19 12:18 | КО | TAL SEA |

Factor

Dilution

Factor

1

1

Run

Run

Batch

Number

297706

Batch

Number

297217

297262

Prepared

or Analyzed

04/01/19 21:44

Prepared

or Analyzed

03/27/19 07:11

03/27/19 19:07

Analyst

Analyst

KO

W1T

CJ

Lab

Lab

TAL SEA

TAL SEA

TAL SEA

Batch

Туре

Batch

Туре

Prep

Analysis

Client Sample ID: 1C-W-1-032119

Analysis

Batch

Batch

Method

3510C

NWTPH-Dx

Method

NWTPH-Dx

Client Sample ID: MW-3-032119

Date Collected: 03/21/19 11:21

Date Received: 03/22/19 14:53

Date Collected: 03/21/19 12:30

Date Received: 03/22/19 14:53

Prep Type

Prep Type

Total/NA

Total/NA

Total/NA

Lab Sample ID: 580-84853-28

Lab Sample ID: 580-84853-29

Lab Sample ID: 580-84853-30

Matrix: Water

Matrix: Water

Matrix: Water

2 3 4 5 6 7

8 9 1

Client Sample ID: 1C-W-8-032119 Date Collected: 03/21/19 12:40

Date Received: 03/22/19 14:53

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 19:29 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 297341 | 03/28/19 22:33 | TL1 | TAL SEA |

Client Sample ID: MW-16-032119

Date Collected: 03/21/19 13:00

| Date F | Received: | 03/22/19 | 14:53 |
|--------|-----------|----------|-------|
|--------|-----------|----------|-------|

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 19:51 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 297341 | 03/28/19 22:54 | TL1 | TAL SEA |

Client Sample ID: 1B-W-2-032119 Date Collected: 03/21/19 14:18 Date Received: 03/22/19 14:53

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 20:13 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 297217 | 03/27/19 07:11 | ко | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 297341 | 03/28/19 23:14 | TL1 | TAL SEA |

Lab Sample ID: 580-84853-31

Matrix: Water

Lab Sample ID: 580-84853-32

Matrix: Water

| roject/Site. Biv | SF Skykomish | Semi Annual | | | | | | | |
|---|---|---|-----|--|--|---|--|--|---|
| Client Sampl | | | | | | | Lat | o Sample ID | : 580-84853-33 |
| Date Collected: Date Received: | | | | | | | | | Matrix: Water |
| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | ко | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 20:35 | W1T | TAL SEA | |
| Total/NA | Prep | 3510C | RA | | 297217 | 03/27/19 07:11 | КО | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 297341 | 03/28/19 23:34 | TL1 | TAL SEA | |
| Client Sampl | e ID: 1C-W- | 3-032119 | | | | | Lat | o Sample ID | : 580-84853-34 |
| Date Collected: | | | | | | | | | Matrix: Water |
| Date Received: | 03/22/19 14:53 | 3 | | | | | | | |
| _ | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | KO | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 20:57 | W1T | TAL SEA | |
| Client Sampl | | | | | | | Lat | o Sample ID | : 580-84853-35 Matrix: Water |
| Date Received: | | | | | | | | | |
| _ | Batch | Batch | | B 11 <i>(</i> 1 | Batch | - · | | | |
| | Datch | Dutoll | | Dilution | Datch | Prepared | | | |
| Ргер Туре | Туре | Method | Run | Factor | Number | Prepared or Analyzed | Analyst | Lab | |
| Prep Type Total/NA | | | Run | | | • | Analyst KO | - Lab TAL SEA | |
| | Туре | Method | Run | | Number | or Analyzed | | | |
| Total/NA Total/NA | Type Prep Analysis | Method 3510C NWTPH-Dx | Run | Factor | Number 297217 | or Analyzed | ко W1T | TAL SEA TAL SEA | . 580 84853 36 |
| Total/NA Total/NA Client Sampl | Type Prep Analysis | Method 3510C NWTPH-Dx -032119 | Run | Factor | Number 297217 | or Analyzed | ко W1T | TAL SEA TAL SEA | : 580-84853-36 Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: | Type Prep Analysis e ID: S1-BD 03/21/19 16:05 | Method 3510C NWTPH-Dx -032119 5 | Run | Factor | Number 297217 | or Analyzed | ко W1T | TAL SEA TAL SEA | : 580-84853-36 Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 | Method 3510C NWTPH-Dx -032119 5 3 | Run | 1 | Number 297217 297262 | or Analyzed 03/27/19 07:11 03/27/19 21:19 | ко W1T | TAL SEA TAL SEA | |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch | Method 3510C NWTPH-Dx -032119 5 3 Batch | | 1 | Number 297217 297262 Batch | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared | ко w1т Lat | TAL SEA TAL SEA D Sample ID | |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type | Method 3510C NWTPH-Dx -032119 5 3 Batch Method | Run | 1 | Number 297217 297262 Batch Number | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed | KO W1T Lat | TAL SEA TAL SEA D Sample ID | |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch | Method 3510C NWTPH-Dx -032119 5 3 Batch | | 1 | Number 297217 297262 Batch | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared | ко w1т Lat | TAL SEA TAL SEA D Sample ID | |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx | | Factor 1 Dilution Factor | Number 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID - Lab TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl | Type Prep Analysis e ID: S1-BD 03/21/19 16:09 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 | | Factor 1 Dilution Factor | Number 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID - Lab TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: | Type Prep Analysis e ID: S1-BD 03/21/19 16:09 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 | | Factor 1 Dilution Factor | Number 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID - Lab TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Client Sampl Date Collected: | Type Prep Analysis e ID: S1-BD 03/21/19 16:09 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 | | Factor1 Dilution111 | Number 297217 297262 Batch Number 297217 297262 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 | KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID - Lab TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Batch | Run | Factor 1 Dilution Factor 1 Dilution Dilution | Number 297217 297262 Batch Number 297262 Batch Batch Batch | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared | KO W1T Lat KO W1T | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx | | Factor1 Dilution111 | Number 297217 297262 Batch Number 297217 297262 Batch Number | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared or Analyzed | KO W1T Lat Analyst KO W1T Lat Analyst | TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA TAL SEA D Sample ID | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Client Sampl Date Collected: Date Received: | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Batch | Run | Factor 1 Dilution Factor 1 Dilution Dilution | Number 297217 297262 Batch Number 297262 Batch Batch Batch | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared | KO W1T Lat KO W1T | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA | Type Prep Analysis e ID: S1-BD 03/21/19 16:09 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU 03/21/19 16:10 03/21/19 16:10 03/22/19 14:53 e ID: S1-AU 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C | Run | Factor 1 Dilution Factor 1 Dilution Factor Factor Factor | Number 297217 297262 Batch Number 297262 Batch Number 297262 Batch Number 297217 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat KO W1T Lat Analyst KO | TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA D Sample ID Sample ID | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA | Type Prep Analysis e ID: S1-BD: 03/21/19 16:09 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU 03/21/19 16:10 03/21/19 16:11 03/21/19 16:12 03/22/19 14:53 e ID: S1-AU 03/21/19 16:11 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx | Run | Factor 1 Dilution Factor 1 Dilution Factor Factor Factor | Number 297217 297262 Batch Number 297262 Batch Number 297262 Batch Number 297217 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA TAL SEA D Sample ID Lab TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA | Type Prep Analysis e ID: S1-BD 03/21/19 16:09 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU 03/21/19 16:10 03/21/19 16:10 03/21/19 16:10 03/22/19 14:53 Batch Type Prep Analysis | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 | Run | Factor 1 Dilution Factor 1 Dilution Factor Factor Factor | Number 297217 297262 Batch Number 297262 Batch Number 297262 Batch Number 297217 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA TAL SEA D Sample ID Lab TAL SEA TAL SEA | Matrix: Water |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Total/NA Total/NA Total/NA Total/NA | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU 03/21/19 16:10 03/21/19 16:10 03/22/19 14:53 e ID: S1-AU 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU Prep Analysis e ID: S1-BU 03/21/19 16:05 | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 5 | Run | Factor 1 Dilution Factor 1 Dilution Factor Factor Factor | Number 297217 297262 Batch Number 297262 Batch Number 297262 Batch Number 297217 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA TAL SEA D Sample ID Lab TAL SEA TAL SEA | Matrix: Water 580-84853-37 Matrix: Water 580-84853-38 |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU 03/21/19 16:10 03/21/19 16:10 03/22/19 14:53 e ID: S1-AU 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU Prep Analysis e ID: S1-BU 03/21/19 16:05 | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 5 | Run | Factor 1 Dilution Factor 1 Dilution Factor Factor Factor | Number 297217 297262 Batch Number 297262 Batch Number 297262 Batch Number 297217 297217 297262 Batch Number 297217 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared or Analyzed 03/27/19 07:11 | KO W1T Lat KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA TAL SEA D Sample ID Lab TAL SEA TAL SEA | Matrix: Water 580-84853-37 Matrix: Water 580-84853-38 |
| Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Client Sampl Date Collected: | Type Prep Analysis e ID: S1-BD 03/21/19 16:03 03/22/19 14:53 Batch Type Prep Analysis e ID: S1-AU 03/21/19 16:10 03/21/19 16:10 03/22/19 14:53 e ID: S1-AU 03/22/19 14:53 e ID: S1-BU Analysis e ID: S1-BU 03/21/19 16:03 03/21/19 16:03 03/21/19 14:53 | Method 3510C NWTPH-Dx -032119 5 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 0 3 Batch Method 3510C NWTPH-Dx -032119 5 3 | Run | Factor 1 Dilution Factor 1 Dilution Factor 1 | Number 297217 297262 Batch Number 297217 297262 Batch Number 297217 297262 297217 297217 297217 297217 297262 | or Analyzed 03/27/19 07:11 03/27/19 21:19 Prepared or Analyzed 03/27/19 07:11 03/27/19 21:41 Prepared or Analyzed 03/27/19 07:11 03/27/19 07:11 03/27/19 07:11 | KO W1T Lat KO W1T Lat Analyst KO W1T | TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA TAL SEA D Sample ID Lab TAL SEA TAL SEA | Matrix: Water 580-84853-37 Matrix: Water 580-84853-38 |

Lab Sample ID: 580-84853-38

2 3 4 5 6 7 8

8 9 1(

Lab Sample ID: 580-84853-40

Lab Sample ID: 580-84853-41

Lab Sample ID: 580-84853-43

Matrix: Water

Matrix: Water

Matrix: Water

| | Batch | Batch | | Dilution | Batch | Prepared | | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|--|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 22:25 | W1T | TAL SEA | |

Date Collected: 03/21/19 16:10 Date Received: 03/22/19 14:53

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 23:08 | W1T | TAL SEA |

Client Sample ID: S4-CU-032219

Date Collected: 03/22/19 10:06 Date Received: 03/22/19 14:53

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 23:30 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 297217 | 03/27/19 07:11 | ко | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 297341 | 03/28/19 23:54 | TL1 | TAL SEA |

Client Sample ID: S4-CD-032219

Date Collected: 03/22/19 10:09

Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/27/19 23:52 | W1T | TAL SEA |

Client Sample ID: S4-BD-032219 Lab Sample ID: 580-84853-42 Date Collected: 03/22/19 09:37 Matrix: Water Date Received: 03/22/19 14:53 Batch Batch Dilution Batch Prepared Method Prep Type Туре Factor Number or Analyzed Run Analyst Lab TAL SEA Total/NA Prep 3510C 297217 03/27/19 07:11 кo Total/NA NWTPH-Dx 297262 03/28/19 00:14 TAL SEA Analysis 1 W1T

Client Sample ID: S4-BU-032219

Date Collected: 03/22/19 09:37

Date Received: 03/22/19 14:53

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297217 | 03/27/19 07:11 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297262 | 03/28/19 00:36 | W1T | TAL SEA |

TestAmerica Seattle

Matrix: Water

| | | - | | nicle | _ab Chro | I | | | – |
|-------------------------------|----------------------------------|------------------|---|--|----------|------------|---|---|--|
| ID: 580-84853-1 | estAmerica Job | le | | | | | | - | lient: Farallon C roject/Site: BNS |
| 580-84853-44 | Sample ID: | Lab | | | | | -032219 | ID: S3-AU | Client Sample |
| Matrix: Water | | | | | | | | | Date Collected: |
| | | | | | | | | | Date Received: (|
| | | | Prepared | Batch | Dilution | | Batch | Batch | _ |
| | Lab | Analyst | or Analyzed | Number | Factor | Run | Method | Туре | Prep Type |
| | TAL SEA | KO | 03/27/19 07:11 | 297217 | | | | Prep | Total/NA |
| | TAL SEA | W1T | 03/28/19 00:57 | 297262 | 1 | | NWTPH-Dx | Analysis | Total/NA |
| | | | | | | | | , | _ |
| 580-84853-45 | Sample ID: | Lab | | | | | -032219 | e ID: S3-BU | Client Sample |
| Matrix: Water | • | | | | | | | | Date Collected: |
| | | | | | | | | | Date Received: (|
| | | | Prepared | Batch | Dilution | | Batch | Batch | _ |
| | Lab | Analyst | or Analyzed | Number | Factor | Run | Method | Туре | Prep Type |
| | TAL SEA | KO | 03/27/19 07:11 | 297217 | | | 3510C | Prep | Total/NA |
| | TAL SEA | W1T | 03/28/19 01:19 | 297217 | 1 | | NWTPH-Dx | Analysis | Total/NA |
| | | | 50,20,10 01.10 | 201202 | I | | | , 11019010 | |
| 580-84853-46 | Sample ID: | Lah | | | | | -032219 | D: S4-AD | Client Sample |
| Matrix: Water | | | | | | | | | Date Collected: |
| | | | | | | | | | Date Received: (|
| | | | Prepared | Batch | Dilution | | Batch | Batch | _ |
| | Lab | Analyst | or Analyzed | Number | Factor | Run | Method | Туре | Prep Type |
| | TAL SEA | KO | 03/27/19 07:11 | 297217 | | | 3510C | Prep | Total/NA |
| | TAL SEA | W1T | 03/28/19 01:41 | 297262 | 1 | | NWTPH-Dx | Analysis | Total/NA |
| | | | | | | | | | _ |
| 580-84853-47 | Sample ID: | Lab | | | | | -032219 | e ID: S3-CU | Client Sample |
| Matrix: Water | | | | | | | D | 03/22/19 09:30 | Date Collected: |
| | | | | | | | 3 | 03/22/19 14:53 | Date Received: (|
| | | | Prepared | Batch | Dilution | | Batch | Batch | _ |
| | Lab | Analyst | or Analyzed | Number | Factor | Run | Method | Туре | Prep Type |
| | TAL SEA | KO | 03/27/19 07:11 | 297217 | | | 3510C | Prep | Total/NA |
| | TAL SEA | W1T | 03/28/19 02:03 | 297262 | 1 | | NWTPH-Dx | Analysis | Total/NA |
| 500 04052 40 | Comple ID. | | | | | | 022240 | | Client Come |
| 580-84853-48 Matrix: Water | Joannpie ID: | Lab | | | | | | | Client Sample Date Collected: |
| matrix. Water | | | | | | | | | Date Conected: (|
| | | | | D-4-1 | Dilutia | | | | _ |
| | | | Decencer - | | Dilution | | Batch | Batch | |
| | Lab | Analyst | Prepared | Batch | Easter. | D | Mothed | Tuna | Bron Tuno |
| | | Analyst | or Analyzed | Number | Factor | Run | Method | Type | Prep Type |
| | TAL SEA | ко | or Analyzed | Number 297265 | | Run | 3510C | Prep | Total/NA |
| | | - | or Analyzed | Number | Factor | Run | | | |
| 580-84853-49 | TAL SEA TAL SEA | KO W1T | or Analyzed | Number 297265 | | Run | 3510C NWTPH-Dx | Prep Analysis | Total/NA Total/NA |
| 580-84853-49 Matrix: Water | TAL SEA TAL SEA | KO W1T | or Analyzed | Number 297265 | | Run | 3510C NWTPH-Dx -032219 | Prep Analysis | Total/NA Total/NA Client Sample |
| 580-84853-49 Matrix: Water | TAL SEA TAL SEA | KO W1T | or Analyzed | Number 297265 | | <u>Run</u> | 3510C NWTPH-Dx -032219 5 | Prep Analysis e ID: S3-BD 03/22/19 08:55 | Total/NA Total/NA Client Sample Date Collected: |
| | TAL SEA TAL SEA | KO W1T | or Analyzed 03/27/19 12:46 04/01/19 05:27 | Number 297265 297618 | 1 | Run | 3510C NWTPH-Dx -032219 5 3 | Prep Analysis e ID: S3-BD 03/22/19 08:55 03/22/19 14:53 | Total/NA Total/NA Client Sample Date Collected: |
| | TAL SEA TAL SEA Sample ID: | KO W1T Lab | or Analyzed 03/27/19 12:46 04/01/19 05:27 Prepared | Number 297265 297618 Batch | 1 | | 3510C NWTPH-Dx -032219 5 3 Batch | Prep Analysis e ID: S3-BD- 03/22/19 08:55 03/22/19 14:53 Batch | Total/NA Total/NA Client Sample Date Collected: Date Received: (|
| | TAL SEA TAL SEA | KO W1T | or Analyzed 03/27/19 12:46 04/01/19 05:27 | Number 297265 297618 | 1 | Run | 3510C NWTPH-Dx -032219 5 3 | Prep Analysis e ID: S3-BD 03/22/19 08:55 03/22/19 14:53 | Total/NA |

Factor

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Batch

Туре

Prep

Client Sample ID: MW-555-032219

Analysis

Batch

Туре

Prep

Client Sample ID: S3-CD-0322219

Analysis

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

Client Sample ID: S3-AD-032219

Date Collected: 03/22/19 08:55 Date Received: 03/22/19 14:53

Date Collected: 03/22/19 11:05 Date Received: 03/22/19 14:53

Date Collected: 03/22/19 09:30 Date Received: 03/22/19 14:53

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

| | estAmerica Job I | - | | |
|------------------------------|------------------|----------------------|---|---------------------------|
| 80-84853-50 | Sample ID: | Lat | | |
| Matrix: Water | | | | |
| | | | Prepared | Batch |
| | Lab | Analyst | or Analyzed | Number |
| | TAL SEA | КО | 03/27/19 12:46 | 297265 |
| | TAL SEA | W1T | 04/01/19 04:06 | 297618 |
| | Comple ID: / | Lat | | |
| 80-84853-51 Matrix: Water | Sample ID: : | Lux | | |
| | | | Prenared | Batch |
| | | | Prepared or Analyzed | Batch |
| | Lab | Analyst KO | Prepared or Analyzed 03/27/19 12:46 | Batch Number 297265 |
| | Lab | Analyst | or Analyzed | Number |
| Matrix: Water | Lab TAL SEA | Analyst KO W1T | or Analyzed 03/27/19 12:46 | Number 297265 |
| Matrix: Water | TAL SEA | Analyst KO W1T | or Analyzed 03/27/19 12:46 | Number 297265 |
| Matrix: Water | TAL SEA | Analyst KO W1T | or Analyzed 03/27/19 12:46 | Number 297265 |

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297265 | 03/27/19 12:46 | KO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297618 | 04/01/19 04:46 | W1T | TAL SEA |

Client Sample ID: MW-30-032119 Date Collected: 03/21/19 11:28 Date Received: 03/22/19 14:53

Lab Sample ID: 580-84853-53 Matrix: Water

Matrix: water

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 297265 | 03/27/19 12:46 | КО | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 297618 | 04/01/19 05:06 | W1T | TAL SEA |

Laboratory References:

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

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Semi Annual TestAmerica Job ID: 580-84853-1

Laboratory: TestAmerica Seattle

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|--------------------|---------------|------------|-----------------------|-----------------|
| Alaska (UST) | State Program | 10 | 17-024 | 01-19-20 |
| ANAB | DoD / DOE | | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | | L2236 | 01-19-22 |
| California | State Program | 9 | 2901 | 11-05-19 |
| Montana (UST) | State Program | 8 | N/A | 04-30-20 |
| Nevada | State Program | 9 | WA000502019-1 | 07-31-19 |
| Oregon | NELAP | 10 | WA100007 | 11-05-19 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-19 |
| USDA | Federal | | P330-14-00126 | 02-10-20 |
| Washington | State Program | 10 | C553 | 02-17-20 |

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 580-84853-1 | 5-W-18-032019 | Water | 03/20/19 11:04 | 03/22/19 14:53 |
| 580-84853-2 | 5-W-19-032019 | Water | 03/20/19 11:11 | 03/22/19 14:53 |
| 580-84853-3 | 5-W-17-032019 | Water | 03/20/19 12:14 | 03/22/19 14:53 |
| 580-84853-4 | 5-W-170-032019 | Water | 03/20/19 12:16 | 03/22/19 14:53 |
| 580-84853-5 | 1A-W-4-032019 | Water | 03/20/19 16:30 | 03/22/19 14:53 |
| 580-84853-6 | GW-3-032019 | Water | 03/20/19 14:35 | 03/22/19 14:53 |
| 580-84853-7 | GW-30-032019 | Water | 03/20/19 14:45 | 03/22/19 14:53 |
| 580-84853-8 | 1B-W-23-032019 | Water | 03/20/19 14:30 | 03/22/19 14:53 |
| 580-84853-9 | 2A-W-41-032019 | Water | 03/20/19 15:55 | 03/22/19 14:53 |
| 580-84853-10 | 2A-W-410-032019 | Water | 03/20/19 16:20 | 03/22/19 14:53 |
| 580-84853-11 | 2A-W-40-032019 | Water | 03/20/19 17:55 | 03/22/19 14:53 |
| 580-84853-12 | 5-W-51-032019 | Water | 03/20/19 13:54 | 03/22/19 14:53 |
| 580-84853-13 | 5-W-56-032019 | Water | 03/20/19 15:09 | 03/22/19 14:53 |
| 580-84853-14 | 5-W-560-032019 | Water | 03/20/19 15:20 | 03/22/19 14:53 |
| 580-84853-15 | 5-W-55-032019 | Water | 03/20/19 15:21 | 03/22/19 14:53 |
| 580-84853-16 | MW-38R-032019 | Water | 03/20/19 17:04 | 03/22/19 14:53 |
| 580-84853-17 | MW-380R-032019 | Water | 03/20/19 17:02 | 03/22/19 14:53 |
| 580-84853-18 | 5-W-14-032019 | Water | 03/20/19 12:54 | 03/22/19 14:53 |
| 580-84853-19 | 5-W-16-032019 | Water | 03/20/19 11:59 | 03/22/19 14:53 |
| 580-84853-20 | 2A-W-10-032119 | Water | 03/21/19 09:54 | 03/22/19 14:53 |
| 580-84853-21 | MW-4-032119 | Water | 03/21/19 10:56 | 03/22/19 14:53 |
| 580-84853-22 | 2B-W-4-032119 | Water | 03/21/19 10:00 | 03/22/19 14:53 |
| 580-84853-23 | GW-4-032119 | Water | 03/21/19 09:50 | 03/22/19 14:53 |
| 580-84853-24 | EW-2A-032119 | Water | 03/21/19 09:50 | 03/22/19 14:53 |
| | | | | |
| 580-84853-25 | 2A-W-9-032119 | Water | 03/21/19 09:54 | 03/22/19 14:53 |
| 580-84853-26 | 1C-W-7-032119 | Water | 03/21/19 10:45 | 03/22/19 14:53 |
| 580-84853-27 | 2A-W-42-032119 | Water | 03/21/19 11:05 | 03/22/19 14:53 |
| 580-84853-28 | MW-3-032119 | Water | 03/21/19 11:21 | 03/22/19 14:53 |
| 580-84853-29 | 1C-W-1-032119 | Water | 03/21/19 12:30 | 03/22/19 14:53 |
| 580-84853-30 | 1C-W-8-032119 | Water | 03/21/19 12:40 | 03/22/19 14:53 |
| 580-84853-31 | MW-16-032119 | Water | 03/21/19 13:00 | 03/22/19 14:53 |
| 580-84853-32 | 1B-W-2-032119 | Water | 03/21/19 14:18 | 03/22/19 14:53 |
| 580-84853-33 | 1C-W-4-032119 | Water | 03/21/19 15:05 | 03/22/19 14:53 |
| 580-84853-34 | 1C-W-3-032119 | Water | 03/21/19 15:00 | 03/22/19 14:53 |
| 580-84853-35 | 1B-W-3-032119 | Water | 03/21/19 15:05 | 03/22/19 14:53 |
| 580-84853-36 | S1-BD-032119 | Water | 03/21/19 16:05 | 03/22/19 14:53 |
| 580-84853-37 | S1-AU-032119 | Water | 03/21/19 16:10 | 03/22/19 14:53 |
| 580-84853-38 | S1-BU-032119 | Water | 03/21/19 16:05 | 03/22/19 14:53 |
| 580-84853-39 | S1-AD-032119 | Water | 03/21/19 16:10 | 03/22/19 14:53 |
| 580-84853-40 | S4-CU-032219 | Water | 03/22/19 10:06 | 03/22/19 14:53 |
| 580-84853-41 | S4-CD-032219 | Water | 03/22/19 10:09 | 03/22/19 14:53 |
| 580-84853-42 | S4-BD-032219 | Water | 03/22/19 09:37 | 03/22/19 14:53 |
| 580-84853-43 | S4-BU-032219 | Water | 03/22/19 09:37 | 03/22/19 14:53 |
| 580-84853-44 | S3-AU-032219 | Water | 03/22/19 08:55 | 03/22/19 14:53 |
| 580-84853-45 | S3-BU-032219 | Water | 03/22/19 08:58 | 03/22/19 14:53 |
| 580-84853-46 | S4-AD-032219 | Water | 03/22/19 10:05 | 03/22/19 14:53 |
| 580-84853-47 | S3-CU-032219 | Water | 03/22/19 09:30 | 03/22/19 14:53 |
| 580-84853-48 | S4-AU-032219 | Water | 03/22/19 10:05 | 03/22/19 14:53 |
| 580-84853-49 | S3-BD-032219 | Water | 03/22/19 08:55 | 03/22/19 14:53 |
| 580-84853-50 | S3-AD-032219 | Water | 03/22/19 08:55 | 03/22/19 14:53 |
| 580-84853-51 | MW-555-032219 | Water | 03/22/19 11:05 | 03/22/19 14:53 |
| 580-84853-52 | S3-CD-0322219 | Water | 03/22/19 09:30 | 03/22/19 14:53 |
| 580-84853-53 | MW-30-032119 | Water | 03/21/19 11:28 | 03/22/19 14:53 |
| 000-0-000-00 | 10100-002113 | vvdlei | 03/21/19 11.20 | 00122113 14.00 |

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|--|-------------------------------------|-------------------|------------------------------|------------|-------------|------------------------------|--------------|------------|----------|-------------------------------------|------------|-----------|-------------------------|-------------------------|-----------------|--------------------------|----------|-------|
| BNSF | Laboratory: | | | | | | | Project | Manager: | | | | | | SHIPME | NT INFORMAT | ION | |
| RAILWAY | Address: | | | | | | | Phone: | | | | | Shipmer | nt Method | Ŀ | | | |
| CHAIN OF CUSTODY | City/State/ZtP: | | | | | | | Fax: | | | | | Tracking Number: | | | | | |
| BNSF PROJECT INFORMATION | Project State of | f Origin; | | | Ι | | (| CONSUL | TANT IN | FORMATIO |)N | | Project Number: 683-067 | | | | | |
| BNSF Project Number: 683-067 | Project City: | Project City: | | | | Company: Forallon Consulting | | | | | | | Project M | lanager: | Pete | Kings faration Fax | fon | |
| BNSF Project Name: BNSF - Steep Kornist | ~ | Jenni A | mul | . | Address: | | | | ANE | | 7 | | Email: | pking | stona | forallon | consulty | licon |
| BNSF Contact: | BNSF Work On | | | | City/State | a/21P: | 1-504 | ucil | 1105 | A | | | Phone: | | Į | Fax: | ¥ | f |
| TURNAROUND TIME | D | ELIVERABLES | |] Other De | aliverable: | | | ή | | | ODS FOR AN | ALYSIS | | |] | | Τ | |
| 1-day Rush 5- to 8-day Rush | BNSF St | andard (Level II) | | | | | | | <u>خ</u> | | | | 1 | | - | | | |
| 2-day Rush 🕅 Standard 10-Day | Level III | | |] EDD Rei | q, Format | ? | | Ìà | YO-HOLMN | | | | | | | | | |
| 3-day Rush Other | Level IV | | | | | | <u></u> | | | | | | | | | | | |
| SAM | PLE INFORM | ATION | | ****** | | | | 1 ā | Z | | | | | | | | | |
| | | Samp | le Collection | | Filtered | Туре | | NW TPH | SGC- | | | | | | | | | |
| Sample Identification | Containers | Date | Time | Sampler | Y/N | (Comp/ Grab) | Matrix | $ \leq$ | N N | | | | | | cor | MENTS | LAB U | JSE |
| 5-W-18-032019 | 2 | 3/20/19 | 1104 | GP | N | 6 | W | X | | | | | | | | | | |
| 25-W-19-032019 | | | ini | AB | j | | 1 | X | | | | | | | | | | |
| 5-W-17-032019 | | | 1214 | CB | | | | X | | | | | | | | | | |
| 15-W-170-032019 | | | 1216 | CB | | | | X | | | | | | | | | | |
| 1A-W-4-032019 | | | 1630 | NT | | ļ. [| | X | | | | | ļ | | | | | |
| 6W-3-032019 | | | 1435 | NT | | | | X | X | | | | | | | | | |
| 16W-30-032019 | | | 1445 | NT | | | | ΪX | | | | | | | | | | |
| · 1B-W-23- 032014 | | | 1430 | AB | | | | x | | | | | | | | | | |
| 2A-W-41-032019 | | | 1555 | AB | | | | Γ <u>x</u> | X | | | | 1 1 1 1 1 1 1 1 | I I SINT DI USI DI S | • Ha la klil | | | |
| 1024-W-410-032019 | | | 1620 | AB | | | | X | | | | | | | | | | |
| " 2A-W-40-0320/9 | | | 1755 | AB | | | | X | | | | | | | | | | |
| 2 5-W-51-032019 | | | 1354 | Gρ | | | | X | | | | | 580- | 84853 | Chain of | Custody | | |
| 13 5-W-56-032019 | | | | GP | | | | X | | | | | | | | | I | |
| 1. 5-W-560-032019 | | | 1 | GP | | | | X | | | | | | | | | | |
| 10 J-W-555 -032219 | 1 | \mathbf{V} | 1521 | CH | <u>٧</u> | V. | \mathbb{V} | X | | | | | | | | | | |
| 15 J-W -35 -032219 Relinquished By: Malgalint Relinquished By: | Pate/Time: 0572/14 Date/Time: | 191453 | Received By: Received By: | TonB | lun | 4 | > | | | Date/Time: 3/22/15 Date/Time: | 1453 | Comme | nts and | Special | Analytical | Requirements | : | |
| Relinguished By: | Date/Time: | | Received By: | | | | | | | Date/Time: | | 1 | | | | | | |
| Received by Laboratory: | Date/Time: | | Lab Remarks: | | | | | | | Lab: Custody | Intact? | Custody S | eal No. | | | BNSF COC No | | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

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| | 1 | | | LA | BORAT | ORY IN | FORMA | FION | | | | | LAB WORK | ORDER: | | |
|---|-----------------|--------------------------|----------------|----------|-----------------|------------------------|------------------------|-------------------------|---------|-----------------------------------|-------|------------------|----------------------|------------------------|--------------|------------|
| BNSF | Laboratory: | | | | | | | Project Ma | anager: | | | | SHIPMENT INFORMATION | | | |
| RAILWAY | Address: | | | | | | | Phone: | | | | | Shipment Method: | | | |
| CHAIN OF CUSTODY | City/Stale/ZIP: | | | Fax: | | | | | | | | Tracking Number: | | | | |
| BNSF PROJECT INFORMATION | Project State o | Project State of Origin; | | | | | CONSULTANT INFORMATION | | | | | | | 685 | 2-06 | 9 |
| BNSF Project Number: 683-067 | Project City: | | | | Сотрану | - | evra | Um | Con | sut | 3 | | Project Manag | er Pet | - Vi | y ston |
| BNSF Project Name BNSF Contact: BNSF Contact: | . Sem | i- Am | . l | | Address: | | | | | NW | | | Email: Pla | mastin | Con Louise | Margareth |
| BNSF Contact: | BNSF Work Or | rder No.: | | | City/State | /ZIP | 5520 | noh | - (| VA " | 28:07 | + | Phone: | | Fax: | Davensuum |
| TURNAROUND TIME | | ELIVERABLES | Г | Other De | liverables | | | Ť | / (| METHODS | | | | | | T |
| 1-day Rush 5- to 8-day Rush | BNSF S | tandard (Level II) | | | | | | | | | | | | | | |
| 2-day Rush Standard 10-Day | Level III | | Ē | EDD Rec | . Format' | ? | | \times | | | | | | | | |
| 3-day Rush Other | Level IV | | | | | | | Ô | | | | | | | | |
| | | | | | | | | - (| | | | | | | | |
| | | 1 | ple Collection | | I | 7 | 1 | HALLMN | | | | | | | | |
| Sample Identification | Containers | Date | Time | Sampler | Filtered Y/N | Type (Comp Grab) | / Matrix | 13 | | | | | | | | |
| | | | | | | | | | | | | | | CON | MENTS | LAB USE |
| MW-38R-032019 | 2 | 3/20/19 | 1704 | 6P | N | R | W | × | | | | | | | | <u> </u>] |
| MW-380R-032019 | | | 1702 | 1 | | | | X | | | _ | | ļ | | | |
| 5-W-14-032019 | | | 1254 | | | | | $ $ \land | | | | | | | | |
| 5-W-16-032019 | | | 1159 | 6P | _ | | | X | | | | | ļļ | | | |
| 24-W-10-032119 | | | 0954 | 69 | | | | X | | | | | | | | |
| MW-4-032119 | | | 1056 | GP | | | | ĸ | | | | | | | | |
| 2B-W-4-03219 | | | 1204 | 69 | | | | x | | | | | | | | |
| 6-11-4-032119 | | | 0950 | AB | | | | X | | | | | | | | |
| EW-24-032119 | | | 0950 | NT | | | | $\left \times \right $ | | | | | | | | |
| 2A-W9-032119 | | | 0954 | CH | | | | X | | | | | | | | |
| 1C-W-7-032119 | | | 1045 | AB | | | | $\left \times \right $ | | | | | | | | |
| 2 2A-W-42-03219 | | | 1105 | NT | | | | X | | | | | | | | |
| , MW-3-032119 | | | 1121 | CH | | | | X | | | | | | | | |
| · 2B-W-H-032/19 | | | 1 | 60 | | | | X | | | | | | | <u></u> | |
| 5 1(-W-1-072119 | \forall | \vee | 1230 | | V | V | \forall | X | | | 1 | 1 | | | | |
| 5 10-W-1-032119 Relinguissed By: Chutal Balina Relinguisted By: | Date/Time: | 190145 | Received By: | Tom | lon | Ż | 2 | • | Di | ate/Time: 3/22/19 ate/Time: | 1453 | Comme | nts and Spe | t cial Analytical f | ₹equirements | 1 |
| Refinquished By: | Date/Time: | | Received By: | | | | | | Di | ite/Time: | | 1 | | | | |
| Received by Laboratory: | Date/Time: | | Lab Remarks: | | | | | | La | b: Custody Intac | ? | Custody S | eal No. | | BNSF COC No | |
| | | | | | | | | | | | No | 1 | | | | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

TAL-1001 (0912)

| | | | | | | | | 84853 | 3 of 5 | |
|---|--|-------------------|-------------------------------|--------------|----------------|-------------------------------------|--------------|------------------|----------------------------|-----------------|
| | ····· | LA | ORMATIO | | | | LAB WORK C | LAB WORK ORDER: | | |
| BNSF | ······································ | | | | oject Manager: | | | SHIPMENT INFORMA | TION | |
| RAILWAY | Address: | | | | ione: | | Shipment Met | hod: | | |
| CHAIN OF CUSTODY | City/State/ZIP: | | | F | IX: | | | Tracking Num | ber: | |
| BNSF PROJECT INFORMATION | Project State of Origin: | NA | | CON | SULTANT I | | | Project Number: | 683-06 | 07 |
| 3NSF Project Number: 633-067 | Project City: 541 | (pm15/) | Company: FG | call | SU | COASL | Itin | Project Manager | Lote Vinny | stiv 1 |
| BNSF Project Name: BNSF SKYKEY BNSF Contact: | MISH - SCH | 1 cinnier (| Address: O City/State/ZIP: | 75 | | WAY N | | Phone: | nyston | -callen Cons |
| TURNAROUND TIME | DELIVERAB | LES Other Del | | <u>, SAC</u> | PAR | | FOR ANALYS | | T | T |
| 1-day Rush 5- to 8-day Rush | BNSF Standard (Leve | el fi) | | | | | | | | |
| 2-day Rush Standard 10-Day | | EDD Req | , Formal? | ĺ | X | | | | | |
| 3-day Rush Other | Level IV | | | | (') | | | | | |
| | SAMPLE INFORMATION | | | | HELM | | | | | |
| | | Sample Collection | Type | | F | | | | | |
| Sample Identification | Containers Date | | Filtered (Comp/ Y/N Grab) | Matrix | Z | | | | COMMENTS | LAB USE |
| 1C-W-8-032119 | D1/21/19 Z | 1240 612 | NG | W | \times | | | | | |
| MW-16-032/19 | | 1300 | | 1 | 1 | | | | | |
| 1B-W-2-032119 | | 1418 | | | | | | | | |
| 10-W-4-032/19 | | 1505 | | | | | | | | |
| 10 - W-3-032/19 | | 1500 | | | | | | | | |
| 1B -W-3-03219 | | 1505 | | | | | | | | |
| 51-BD-032119 | | 1605 | | | | | | | | |
| 52 - 40-032119 | | 1610 | | | | | | | | |
| SI - BU - 032119 | | 1605 | | | | | | | | |
| 51- AD-0321(9 | V | 1610 | | | | | | | | |
| S4-CU-032214 | 03/22/19 | 1006 | | | | | | | | |
| SY-CD-032219 | | 1009 | | | | | | | | |
| 54-BD-032219 | | 0937 | | | | | | | | |
| -54-BU-032219 | | 0937 | | | | | | | | |
| S3-AU-032219 | A A | 0855 7 | 7 7 | \forall | ¥ | | | | | |
| elinquished By: Chr. Hullsonfur | Date/Time: | | anty | <u>C</u> | | Date/Time: 3/22/19 Date/Time: | 1453 Co | mments and Speci | al Analytical Requirements | 50 |
| elinquished By: | Date/Time: | Received By: | <u> </u> | / | | Date/Time: | | | | |
| eceived by Laboratory: | Date/Time: | Lab Remarks: | | | | Lab: Custody Intact? | Cus | tody Seal No. | BNSF COC No | |
| DRIGINAL - RETURN TO LABORATORY WITH SAMPLES | | DUI | LICATE - CONSUL | TANT | | |] No | | | TAL-1001 (0912) |

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| | T T | | | LA | BORAT | ORY IN | FORMAT | ION | | | | | | LAB WC | ORK ORDE | | \sim |
| BNSF | Laboratory: | | | | | | | Project M | anager: | | | | SHIPMENT INFORMATION | | | TION | |
| RAILWAY | Address: | | | | | | | Phone: | | | | | | Shipmer | nt Method: | | |
| CHAIN OF CUSTODY | City/State/ZIP: | | | | Fax: | | | | | | | | | £ - | Number: | | |
| BNSF PROJECT INFORMATION | Project State o | Project State of Origin: | | | | CONSULTANT INFORMATION | | | | | | | | Project No | umber: | 583-067 | |
| BNSF Project Number: 603-067 | Project City: | | | | Company | fo | wal | lon | Ca | nsid | Iton | | | Project M | anager: | 683-567 Pede Kingsto Non Oberallon Fax | vi |
| BNSF Project Name: BNSF Styllowith. | - Semi- | Anna | 6 | | Address: | | 15 3 | | | | | 7 | | Email: | They | ton Spirallon | Consellon C |
| BNSF Contact: | BNSF Work Or | der No.: | | | City/State | /ZIP: | 5300 | int | · .0 | A- | 480 | 73 | | Phone: | / | Fax: | |
| TURNAROUND TIME | | ELIVERABLES | | Other De | liverables | | | | | | | OR ANAL | YSIS | | | | |
| 1-day Rush 5- to 8-day Rush | BNSF S | andard (Level II) | | | | | | | l | | | | | | 1 | | |
| 2-cíay Rush 🛛 🕅 Standard 10-Day | Level III | | | EDD Rec | ą. Format | , | | 2 | K | | | | | | | | |
| 3-day Rush Other | Level IV | | | | | | | | | | | | | | | | |
| | AMPLE INFORM | ATION | | | | | | 1 . . | 1 | | | | | | | | |
| | | Same | e Collection | | | Туре | | 日 | | | | | | | | | |
| Sample Identification | Containers | Date | Time | Sampler | Filtered Y/N | (Comp/ Grab) | Matrix | Halonn | | | | | | | | COMMENTS | LAB USE |
| 5-W-14-032019 | 2 | 3/20/19 | 1254 | GP | N | 6 | W | X | | | | | | | | COMMENTO | |
| 5-W-16-032019 | ĩ | 1 | 1159 | 6P | í | Ì | ì | | | | | | | | | | |
| 5-W-18-032014 | | | 1104 | GP | 1 | | | | | | | | | | | | |
| 5-W-19-032019 | | | 1111 | CB | | | | | | | | | | | | | |
| 5-W-17-032019 | | | | ĊВ | | | | | | | | | | | | | |
| 5-W-170-032019 | | | 1216 | CB | | | | | | | | | | | | | |
| 5-W-51-032019 | | | 1354 | GP | | | | | | | | | | | | | |
| 5-W-56-032019 | 1 | | 1509 | 6P | | | | | | | | | | | | | |
| 5-W-560-032019 | | | ······································ | 60 | | | | | | | | | | | | | |
| 5-W-55-032019 | | | 1521 | GP | | | | | | | | | | | | | |
| mw-38K-032019 | | | 1704 | | | | | | | | | | | | | | |
| 12 MW-380R-032019 | | | 1702 | - | | | | | | | | | | | | | |
| 13 5-W-14-032019 | | | 1254 | | | | | | | | | | | | | ····· | |
| 14 5-W-16-032019 | × | Y | 1159 | GP | + | ~ | | X | | | | | | | | | |
| .5 | | | | | 1 | 1 | | <u> </u> | | | | | | | | | |
| Relanquished By: Mantalbahang |) Date/Time/2 Date/Time | 2/19/2145 | Received By | Tom) | Janj | Ł | ()) | | | Date/Time: 3/22 Date/Time: | 49 | 1453 | Comme | nts and | Special / | Analytical Requirement | ts: |
| Refinquished By: | Date/Time: | | Received By: | | · | | | | | Date/Time: | | | | | | | |
| Received by Laboratory: | Date/Time: | | Lab Remarks: | ······ | | | | | | Lab: Custor | dy Intact? | | Custody S | eal No. | | BNSF COC N | 0 |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

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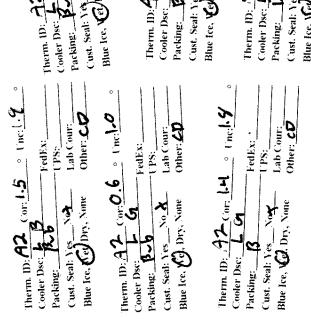
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| | | | | 84853 5 of 5 | |
|--|--|-------------------------------------|---|--|----------------|
| | | ABORATORY INFORMATION | | LAB WORK ORDER: | |
| BNSE | Laboratory: | Project Manager: | | SHIPMENT INFORMA | TION |
| RAILWAY | Address: | Phone: | | Shipment Method: | |
| CHAIN OF CUSTODY | City/State/ZiP: | Fax: | | Tracking Number: | |
| BNSF PROJECT INFORMATION | Project State of Origin: | CONSULTANT IN | FORMATION | Project Number: 602-0 | 67 |
| BNSF Project Number: 693-067 | Project City: | Company: Farallon | ANKING | Project Manager: PAD Vary | ston |
| INSF Project Name: DIKE SVI 1/ | MIGH-SEMI ANNUA | Address: 975 C | Th ALENIN | Email: plangyston Ctoro Phone: Fax: | illon const da |
| SNSF Contact: | BNSF Work Order No.: | City/State/ZIP: Khan (11) | WA 900 | Rhone: Fax: | the second for |
| TURNAROUND TIME | DELIVERABLES Other | Deliverables? | METHODS FOR ANALYSIS | | |
| 1-day Rush 5- to 8-day Rush | BNSF Standard (Level II) | | | | |
| 2-day Rush | [| leg, Format? | | | |
| _ <u>`</u> | | Á | | | |
| 3-day Rush Other | | | | | |
| SAM | | E | | | |
| Sample Identification | Containers Date Time Sample | Filtered Type er V/N Grab Matrix | | COMMENTS | LAB USE |
| 53-BU-032219 | 2 03/22/19858 64 | NGWA | | | |
| 53-BU-032219 34-AD-032219 53-CU-032219 | 1 1 1005 | | | | |
| 53-00-032219 | 0930 | | | | |
| 54-AU-032219 | 1005 | | | | |
| 53 - BD-032219 | 0855 | | | | |
| 53-AD-032219 | 0855 | | | | |
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| 15 | | | | | |
| Relinquished By: Chutabatta | Date-Time Received By: Received | mtzp | Date/Tyne: 3/22/19 145.3 Date/Time: | ents and Special Analytical Requiremen | 15. |
| Relinquished By: | Date/Time: Received By: | ***** | Date/Time: | | |
| Received by Laboratory: | Date/Time: Lab Remarks: | | Lab: Custody Intact? Custody | Seal No. BNSF COC N | 0 |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

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| Lab Cour: Other CO | leade Court |
|---|--|
| acking: Not Not Ites Seal: Ver Not Sue Ice, Ver Dry, None | Therm. ID: 42 (or: 1.0 ° tinc; 4 Cooler Dsc: 1.6 ° tinc; 4 Packing: 9xb FedEx: Cust Seat: Yes Avat 1.PS: Blue fce, Yes Dry, None Lab Cour: |

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| TPS: Lab Cour: Other: CD | • 1.nc: 9.0 |
|---------------------------------------|------------------------|
| Cust. Seat:) es And | Therm. 1D: A. Cor: 2.6 |

| • • • • • • • • • | FedEx: | TPS: | Other: CD | |
|--------------------------|---------------|---------------------|-------------------------|--|
| Therm. ID: .17 Corr. 2.6 | Packing: 130b | Cust. Seal: Yes Not | Blue Ice, Ver Dry, None | |

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Cust. Seal: Ves_Nork_ Blue Ice. W. Dry, None

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|--|---------------|-------------------------|---|---|------------|-------------------------|--------------|------------|----------|----------------|-----------|------------|--------------|----------------------|------------|--------------------------|----------------|--|
| | Laboratory; | | | | | | | | Manager; | | | | LAS V | VORK DR | DER: | 1.0 | | |
| RAILWAY | Address: | | | | | | | Phone: | | | | | | SHIPMENT INFORMATION | | | | |
| CHAIN OF CUSTODY | City/State/21 | * | | | | | | Filte | | | | | Shipm | Shipmont Method; | | | | |
| BNSF PROJECT INFORMATION | Project Sigts | reject State of Origin: | | | | | | | | | | | Track | ng Number | r. | | | |
| ISINGIF Project Number: 683-067 | Project City: | | Compan | RV: | | | | FORMATIC | | | Project | Nombet: | 682 | -067 | | | | |
| BUSE - Skykomi | sta - | Saula | | | Address | -7 | 21/0 | lon | Ger | sultin | 9 | | Project | Manager; | P2 to | Kings | -da t- | |
| ENEF Contact: | EINEF Work C | Holer No.: | City/Stat | 97 | 5 | 5th | AVE | NW | Emek: | al-Sa | attend (| E famila | 1990 | | | | | |
| TURNAROUND TIME | | DELIVERABLES | | 1. | | | 150 | qual | | SA- | | | Phonec | PRIM | 13 12/2-6 | Fact of the local states | n consulty ico | |
| 1-day Rush S- to 8-day Rush | | Handard (Leve) () | L | Other D | elivereble | 67 | | | | | DB FOR AL | ALYSIS | | | T | | | |
| 2-day Rush Slandard 10-Day | | | _ | | <u> </u> | | | - 🖂 | 1.8 | | | | | | - | | | |
| 3-day Rush Other | | | Ľ | EDD Re | q, Format | ? | | à | | | | | i i | | | | | |
| | | | | | | | | 17 | MUTPH-Dx | | | | | | | | | |
| 84 | MPLE INFORM | INTION | | | | | | -HOTWN | 2 | | | | 1 | | | | | |
| Sample Identification | Containers | Sem | ple Collection | | Filtered | Тура | | 15 | Sec | | | | | | | | | |
| | | Date | Time | Sampler | Y/N | (Comp/ Grab) | Matri | * 3 | 18 | | | | | | | | | |
| 15-W-18-037019 | 2 | 3/20/19 | 1104 | GP | N | 6 | W | X | | ┾╾┿ | | | - | | <u> </u> | MIMENTS | LAB USE | |
| 5-W-19-032019 | | 1 | in | AB | | | WW | | | ┼──┼ | | | <u> </u> | | | | | |
| 5-W-17-032019 | | | 1214 | _ | | ++- | ╆╋- | <u> ×</u> | | + | | | | | | | | |
| · 5-W-170-032014 | | | 1216 | | | | ╞┼╴ | <u> </u> | | ┟──┟ | | | | | | | T | |
| 14-W-4-032019 | | | 1630 | | | | ┝┝ | X | <u> </u> | ┝──┞- | | | | | | | | |
| - EW-3-032019 | ++ | | 1435 | | | | ┝╋╌ | | | | | | | | | | + | |
| GW-30-032019 | ++ | | 1445 | - in the second | | | | <u>↓X</u> | X | | | | | | | | | |
| 1B-W-23- 032014 | ++ | | | | + | | \vdash | X_ | | | | | | | | | <u> </u> | |
| 2A-W-41-032019 | | | and the second se | AB | | 1 | \square | X | | | | | - | | | | f | |
| 24-W-410-032019 | ++ | _ | 1555 | 48 | | | \square | X | × | | | | <u> </u> | | | | + | |
| - 24-W-40-032019 | | | 1620 | AB | | | | X | | | | 1 | | | | | | |
| 2 5-W-51-032019 | ┼┼╶─┤ | | | AB | | | | X | | | | + | <u>†</u> | | | | ļ | |
| 5-W-56-032019 | + | | 1354 | | | | | X | | | | | | | | | | |
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| A-W-500-070017 | | | - | GP | | | T | X | | | | + | ┝──┤ | | | | | |
| B-W-BA-D32219 Whendidined By: (Intal Bright | V. | V | 1521 | CH | VT | 5 | \mathbf{V} | X | | | | | | | | | | |
| winguished By: | 0572/14 | PLYSZ | Received By: Received By: | m BI | ant | $\overline{\mathbf{v}}$ | | | | Deter Imer | | Comm | inte paret - | internal and | | | | |
| alingularied By: | | 1 | | 7 | | 0- | | | | 3/12/19 | 1453 | | | A INCOME | uniyacal (| Regulationente | 1 | |
| convertiged by Laboratory; | Date/Time: | | Received By: | | | | | | | Data/Time; | | 1 | | | | | | |
| RIGHAL - REFURN TO LANGRATORY WITH SAMPLES | Dele/Time: | | ulo Remarian | - | | | - | | | ab. Custody in | ad? | Cuelody S | and file | _ | | | | |
| STATE TO LABORALORY WITH SAMPLES | | | | OUP | LICATE - | CONSUL | TANT | | | U Yes | I No | - second s | | | | BNBF COC No | | |

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|---|---------------|---------------------|----------------|---------|----------------|----------------|---------------|---------|---------|--------------|------------|----------|------------|------------------|----------------------|---------------------------------------|---------|------|
| | Leboratory: | | | | ABORA | TORY IN | FORMA | | | | | | | LAB WORK ORDER: | | | | |
| RAILWAY | Address: | Project Managan: | | | | | | | | | | | | | SHIPMENT INFORMATION | | | |
| | City/State/23 | P: | | | | Phone: | | | | | | | | Bhipment Method: | | | | |
| CHAIN OF CUSTODY BNSF PROJECT INFORMATION | Project Stale | of Cillaire | | | Far: | | | | | | Tracking N | iumber; | | | - | | | |
| | | Project City: | | | | | C | ONBULT | ANT IN | FORMA | TION | | | Project Norri | ber: | 18- | | 4 |
| IBINSF Protect Number: 683-067 BINSF Protect Nemes: 0 BISS - 067 | | | | | Company | · - | ava | Um | 1 | nn | ula | | | Project Mars | inger: 1 | 6832-06 Kete (ci) 151-00 hum | 7 | _ |
| BNBF Project Name: BNSF - Stykomste BNSF Contact: | - Sen | 4- Am | ist | | Acktress: | 9- | 15 . | 5R | <u></u> | E A | e. 1 | 1 | _ | Enel: O | | rete kul | yston | |
| | BNSF Work C | Dider No.; | | | City/State | VZIP: | | neh | 211 | e ry | W O | 12.0 | | Phone | King | Stor @ hours | Unonut | + Co |
| TURNAROUND TIME | | DELIVERABLES | | Other D | i. Nverable | | | T | , | | | 807 | | | | Pluc, | | 7 |
| 1-day Rush 5- to 8-day Rush | BNSF | Standard (Level (I) | - | _ | | | | | - | | THODS P | OR AN | 1.7518 | | | | | 1 |
| 2-day Rush Standard 10-Day | Level II | | Г | | | | | | ļ | i i | | | | | | | | |
| 3-day Rush Cither | | v | | | Clu | | | X | | | | | | | | | | |
| SA | MPLE NFORM | | - | | | | | 2 | | | | | | | | | | |
| | | | E | 23 | 25 | M | | | | | | | | | | | | 1 |
| Sample Identification | Conteiners | | Collection | | Filtered | Type (Comp/ | Mainte | Hallmin | | | | Į. | | | | | | |
| A | | Date | Time | Sampler | Y/N | Grab) | Pro-Quie Life | Ž | | | | | | | | | | |
| MW38A-Q32019 | 2 | 3/20/19 | 1704 | GP | N | 15 | W | R | | | + | | | | | COMMENTS | LABUSE | |
| 2 MW-380A-032019 | | 1 | 1702 | | 1 | 1 | 1 | X | | | | <u> </u> | | | | | | 1 |
| 5-W-14-032019 | | | 1254 | | | | | | | | | | | ┝╌┼ | | | | |
| . 5-W-16-032019 | | | 1159 | GP | | | ┝┼╌┙ | | | | | <u> </u> | | | | | | 1 |
| 2A-W-10-032119 | | 3/2/19 | | 10 | | - - | ┥┤─┤ | K | | | + | <u> </u> | ļ | | | | | 1 |
| MW-4-032119 | | 2100000 | | | | | - - | X | | | | ļ | | | | | | 1 |
| 2B-W-4-020119 | + | | 1036 | | | \square | | X | | | | | | | T | | | 1 |
| GW-4-032119 | | | 1204 | 60 | 4 | <u> </u> | | x | | | | | | | | | | |
| EW-24-032119 | ╺╁╌╂╌ | <u>↓ </u> | 0950 | | | | | X | | | | | | | - | · · · · · · · · · · · · · · · · · · · | | |
| | | | 0950 | NT | | | | X | | | <u> </u> | | | | -+ | | | - |
| · 2A-W9-032119 | | | 19954 | CH | | | | K | | | | | | | -+ | | | |
| 10-W-7-032119 | | 4 | 1045 | AB | | | | X | | | | | | | -+ | | | |
| 2A-W-42-03219 | | | 1105 | NT | | | | X | | | | | | | | | | |
| · MW-3-032/19 | | | 1121 | CH | ++ | | ┝─┼╌┨ | | | | | | | | \rightarrow | | | |
| " 2B-W-H-032/19 | | | 1204 | | | | | X | | | | | | | | a second | | |
| . 1/ - White Azoria | V | N | 1230 | | \mathbf{t} | | XH | | | | | - | | | 1 | Duplicate Ko | 3/25/19 | |
| and and By: Chutal Bafins | Deter Time: | L.O.L.C. | Received By:, | 14-1 | Y | <u>v</u> | | X | | | | | | | - F | 1962 107 | 5 | 1 |
| tolinquished By: | Distart Group | Areius | Flocelved By: | Inn I | (| \rightarrow | <u>)</u> | | | 122 | 19 1 | 453 | Comme | rts and Spi | sciel Ar | nelytical Requirements; | | |
| Relinguished By: | Deterline; | | Received By: | , | | | | | | | 1 | | | | | | | |
| Received by Laboratory: | Deta/Time: | | Lub Remarka: | | | | | | | Cialar/Timij | e | | | | | | | |
| ORIGINAL - RETURN TO LABORATORY WITH SAMPLES | | | Car cannality; | | | | | | | Letic Casta | dy Intest? | Ma | Cuelody 84 | el No. | | BNEF COC No | | ł |
| | | | | DU | LICATE | - CONSU | LIANT | | - | - 14 I | - 2 | 140 | | | | | | |

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| | Laboratory; | | | BORAT | ORY IN | FORMA | | | | | | | LAS WORK ONDER: | | | | | |
| 1. 00 | Address; | Project Manager: | | | | | | | | | SHIPMENT INFORMATION | | | | | | | |
| RAILWAY | City/Stele/ZIP: | Phope; | | | | | | | | | Shipment Method: | | | | | | | |
| CHAIN OF CUSTODY | | | | | | | For | | | | | | <u> </u> | Number | | | | |
| BNBF Project Number: | Project State of Origin: | WA | | | | C | ONSUL | TANT IN | FORMAT | 101 | | | Project N | | | | | |
| 005-004 | Project City: Och | Komisk | | Company | F | - 00 | In | \overline{a} | 100 | Jan A | 1 | | Project Namagan Peter Kingston Broad plangeston Atralun arts Phone: | | | | | |
| BNSF CONTROL: BUSF SKYKON | 1/21-501 | nu anni | 8.1 | Address: | Ó | 20 | | Hr. | | | <u> </u> | $\overline{\Lambda}$ | Ematio | 4 | ere anor | STUA | | |
| BARSH CONSICE | BNSF Work Order No.: | CHUL SAM IT IN | ect. | City/State | HZIP: § | | 7.5 | Serv | $\frac{n}{n}$ | | <u> </u> | 0 | Phone | Cin | 45ton att | rallin and | | |
| TURNAROUND TIME | DELIVER | ABLES | Other De | Werables | 17 | 330 | <u>ap</u> | M | inf | 1 | 80 | | COMPL. | | 3 Fat | 3 4 | | |
| 🛄 1-day Rush 🔄 5- to 8-day Rush | BNSF Standard (L | | | | | | <u> </u> | | MET | HODSF | OR ANA | | | | | | | |
| 2-day Rush Stendard 10-Day | | | 1 | - | | | | 4 | | | | | | | | 1 | | |
| 3-day Rush Other | Lavel IV | i | EDD Req | , Formett | ? | | C |) | | } | | | | 1 | | | | |
| | | | | | | | | - | | | | | | | | | | |
| IAS | PLE INFORMATION | | | | | | Hall | 1 | | | | | | | | | | |
| Sample Identification | Containers | Semple Collection | | Filtered | Туре | | <u>ר ן</u> | 2 | | | | | | | | | | |
| | V SO | Nete Time | Sempler | Y/N | (Compi Grab) | | 12 | | | | 1 | | | | | | | |
| 1C-W-8-032119 | Do/2(119 7 | 2. 140 | GP | A) | G | tw | | | | + | | | | | COMMENTS | LAB USE | | |
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| 1C-W-4-032/19 | ++-+ | 1505 | ┼╋╌┥ | | | | ╟┝╸ | | | | <u> </u> | Ļ | | | | | | |
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| 51- AD-137114 | 4 | 1610 | | | T | | | 1 | | | | - | | | | <u> </u>] | | |
| 1 S4-CU-032214 | 53/22/19 | 1006 | | | | | \vdash | | <u>├</u> ── | | | <u> </u> | | | | | | |
| 2 S4-CD-032214 | | 1009 | | | | † - † - − | \vdash | <u> </u> | | | <u> </u> | \vdash | | | | | | |
| 34- BD-032219 | | 0937 | | | -+ | | -+- | | | | | | | | | | | |
| 54-BU-032219 | | 0937 | | -+ | -+- | | \vdash | <u> </u> | <u> </u> | | | | | | | | | |
| = S3-AV-032214 | | 0855 | 1 | . 7 | - | | | | <u> </u> | <u> </u> | | | | | | | | |
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TAL-1001 (0912)

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4/2/2019

| | Leboratory: | U | BORATI | ORY INF | ORMAT | | | | | | | LAB WOR | K OND | Hof L | - A | |
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| | Projuct Manager; | | | | | | | | | SHIPMENT INFORMATION | | | | | | |
| RAILWAY | | Address: Phone: | | | | | | | | | Shipment N | Anthout- | | | - | |
| CHAIN OF CUSTODY | City/State/21P: | | | ÷ | | First: | | | | | | | | | | 4 |
| BNSF PROJECT INFORMATION | Project State of Origin: | | | | c | ONSIII T | ANT INF | | 1000 | | | Tracking No Project Num | | . / | | _ |
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| | MKA-Sem | annual | Addrees; City/State/ | | <u>q</u> . | 10 | _5 | n | AA | | IG RI | Email: pl | | storatora | STON | - |
| TURNAROUND TIME | DELIVERABLES | | | | 55 | ai | 12h | u | A | 90 | 3 | Torne: | | J Fasc | A REAL PROPERTY AND A REAL | 1 |
| 1-day Rush | 11 | Other De | iverables' | 2 | | LV. | | MET | H008 F | OR ANA | LYSIS | | | | T | 4 |
| 2 ¹¹ | BN8P Standard (Level II) | | | | | | | | | | 1 | | | | | |
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| 3-day Rush Cilher | | | | | | P | | | | | | | | | | |
| SAM | LE INFORMATION | | | | - | Ξ | | | | | | | | | 1 | |
| Sample Identification | Containers Date | ple Collection | Filterad Y/N | Type (Comp/ | Metrix | Harnn | | | | | | | | | | |
| 153-BU-032219 | 0 | | | Gnab) | | 2 | | | | | | | | COMMENTS | LAB USE | |
| 34-40-032219 | 1 03 02 1 | 081864 | N | G | 3 | <u> </u> | | | | | | | | | | 1 |
| | + | 1005 | | | | | | | | | | | | | t | - |
| | | 0930 | | | | | | | | | | | | | <u> </u> | - |
| 54-40-032219 | | 1005 | | | | | | | | | - | | - | | <u> </u> | - |
| <u>53-BD-032219</u> 53-AD-032219 | | 0855 | | | | | | | | - | | ┝───┣─ | | | | 4 |
| 53-AD-032219 | | 0355 | | | | | | | | | | | - | | _ | 4 |
| , MW-555-032219 | VI | H05 V | * | | | 1 | | <u> </u> | | | | | | | | |
| 53-CD-032219 | VV | 0930 1, | | \mathbf{A} | | - | $\overline{\mathbf{X}}$ | | | <u> </u> | | | | | | |
| MW-30-032119 | 2 3/2/14 | | 1 | | 4 | ¥. | | \square | | | | | | | | 1 |
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| Relinquished By: | Data/filmer | Received By: | ≃ઝ | 2 | | | | 3/2 | 2/19 | 1453 | COLUM | nos anto Sp | 9C(3) / | Unalytical Requirements | i. | 1 |
| Relinquished By: | Cirlin/Time: | Received By: | | | | | | | | | | | | | | |
| Received by Laboratory: | EnterTime: | Lob Remarks: | | | | | | Dulo Tane: | | | | | | | | |
| ORIGINAL - RETURN TO LABORATORY WITH SAMPLES | | | | | | _ | | Laib: Cento | dy initaci? | Na | Castody S | NO. | | BNSP GOC No | | 1 |
| | | Du | PLICATE | • const)i | | | _ | | | | | | | | TAL-1001 (0912) | _ |

1 0 0 7 6 5 4 3 2 1

4/2/2019

Page 84 of 85

Client: Farallon Consulting LLC

Login Number: 84853

List Number: 1 Creator: Luna, Francisco J

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td> | 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. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Job Number: 580-84853-1

List Source: TestAmerica Seattle

🛟 eurofins

Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-87060-1

Client Project/Site: BNSF Skykomish Monthly

For:

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Knitche D. allen

Authorized for release by: 7/3/2019 10:21:09 AM

Kristine Allen, Manager of Project Management (253)248-4970 kristine.allen@testamericainc.com

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.

..... Links **Review your project** results through **Total** Access Have a Question? Ask-The Expert Visit us at: www.testamericainc.com

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| Chain of Custody | 26 |
| Receipt Checklists | 27 |

Job ID: 580-87060-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-87060-1

Comments

No additional comments.

Receipt

The samples were received on 6/20/2019 2:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.2° C, 1.4° C and 3.7° C.

GC Semi VOA

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: S2-BU-061819 (580-87060-10), WG-WV-061819 (580-87060-12), WG-EV-061819 (580-87060-13) and FWG-EV-061819 (580-87060-14).

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: Farallon Consulting LLC Project/Site: BNSF Skykomish Monthly

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| Glossary | |
|----------------|---|
| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| C | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| | |

RPD Relative Percent Difference, a measure of the relative difference between two points

- TEF Toxicity Equivalent Factor (Dioxin)
- TEQ Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: GW-1-061819 Date Collected: 06/18/19 09:51

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-1 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 16:26 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | | mg/L | | 07/01/19 15:37 | 07/02/19 16:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| o-Terphenvl | | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 16:26 | |

Client Sample ID: PZ-7S-061819 Date Collected: 06/18/19 10:00

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-2 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.063 | | mg/L | | 07/01/19 15:37 | 07/02/19 16:48 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | | mg/L | | 07/01/19 15:37 | 07/02/19 16:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 100 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 16:48 | 1 |

Job ID: 580-87060-1

Client Sample ID: PZ-8-061819 Date Collected: 06/18/19 11:15 Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-3 Matrix: Water

Matrix. Walter

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 17:10 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | | mg/L | | 07/01/19 15:37 | 07/02/19 17:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 96 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 17:10 | 1 |

Client Sample ID: S-W-43-061819 Date Collected: 06/18/19 11:16

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-4 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 17:32 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | | mg/L | | 07/01/19 15:37 | 07/02/19 17:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 17:32 | 1 |

Job ID: 580-87060-1

Client Sample ID: EW-1-061819 Date Collected: 06/18/19 14:18 Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-5 Matrix: Water

Watrix. Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 17:53 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | | mg/L | | 07/01/19 15:37 | 07/02/19 17:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 93 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 17:53 | |

Client Sample ID: GW-2-061819 Date Collected: 06/18/19 14:35

Date Received: 06/20/19 14:05

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

| Method. WWTTTT-DX - Northwest - | Senn-Volatile | reuoieum | | | | | | | |
|---------------------------------|---------------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.063 | | mg/L | | 07/01/19 15:37 | 07/02/19 18:15 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.093 | | mg/L | | 07/01/19 15:37 | 07/02/19 18:15 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 88 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 18:15 | 1 |
| | | | | | | | | | |

Job ID: 580-87060-1

Lab Sample ID: 580-87060-6 Matrix: Water

5

Client Sample ID: GW-20-061819 Date Collected: 06/18/19 14:45

Date Received: 06/20/19 14:05

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

| | West - Ocim-Volutile | , i cuoicum | 11000000 (00) | | | | | | |
|----------------------|----------------------|-------------|---------------|-----|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 18:37 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | | mg/L | | 07/01/19 15:37 | 07/02/19 18:37 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 18:37 | 1 |
| | | | | | | | | | |

Lab Sample ID: 580-87060-7 Matrix: Water

Client Sample ID: S2-BD-061819 Date Collected: 06/18/19 14:57

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-8 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 19:21 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | | mg/L | | 07/01/19 15:37 | 07/02/19 19:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 94 | | 50 _ 150 | | | | 07/01/19 15:37 | 07/02/19 19:21 | 1 |

Lab Sample ID: 580-87060-9 Matrix: Water

Wallix. Walei

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.064 | | mg/L | | 07/01/19 15:37 | 07/02/19 19:43 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.095 | | mg/L | | 07/01/19 15:37 | 07/02/19 19:43 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 82 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 19:43 | 1 |

Client Sample ID: S2-BU-061819 Date Collected: 06/18/19 15:30

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-10 Matrix: Water

matrix. Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.19 | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 20:05 | 1 |
| Motor Oil (>C24-C36) | 0.16 | | 0.091 | | mg/L | | 07/01/19 15:37 | 07/02/19 20:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenvl | 79 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 20:05 | 1 |

Client Sample ID: S2-AD-061819 Date Collected: 06/18/19 15:39

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-11 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
|----------------------|-----------------|-----------|----------|-----|------|---|----------------|----------------------------|---------|-------|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 20:27 | 1 | |
| Motor Oil (>C24-C36) | ND | | 0.092 | | mg/L | | 07/01/19 15:37 | 07/02/19 20:27 | 1 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | |
| o-Terphenyl | %Recovery 96 | Qualifier | 50 - 150 | | | | 07/01/19 15:37 | Analyzed 07/02/19 20:27 | | 1 Fac |

Job ID: 580-87060-1

Client Sample ID: WG-WV-061819 Date Collected: 06/18/19 16:05

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-12 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|--|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 20:49 | 1 | |
| Motor Oil (>C24-C36) | 0.099 | | 0.091 | | mg/L | | 07/01/19 15:37 | 07/02/19 20:49 | 1 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | |
| o-Terphenyl | 83 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 20:49 | 1 | |

Client Sample ID: WG-EV-061819 Date Collected: 06/18/19 16:10

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-13 Matrix: Water

Watrix. Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.39 | | 0.063 | | mg/L | | 07/01/19 15:37 | 07/02/19 21:11 | 1 |
| Motor Oil (>C24-C36) | 0.34 | | 0.092 | | mg/L | | 07/01/19 15:37 | 07/02/19 21:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 82 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 21:11 | 1 |

Job ID: 580-87060-1

Matrix: Water

Lab Sample ID: 580-87060-14

Client Sample ID: FWG-EV-061819 Date Collected: 06/18/19 16:48

Date Received: 06/20/19 14:05

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

| | oonn vonanie | - i ou oiouini | | , | | | | | | |
|----------------------|--------------|----------------|----------|-----|------|---|----------------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
| #2 Diesel (C10-C24) | 0.068 | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 21:33 | 1 | |
| Motor Oil (>C24-C36) | 0.20 | | 0.092 | | mg/L | | 07/01/19 15:37 | 07/02/19 21:33 | 1 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | |
| o-Terphenyl | 88 | | 50 - 150 | | | | 07/01/19 15:37 | 07/02/19 21:33 | 1 | |

Client Sample ID: FWG-WV-061819 Date Collected: 06/18/19 16:52

Date Received: 06/20/19 14:05

Lab Sample ID: 580-87060-15 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | | mg/L | | 07/01/19 15:37 | 07/02/19 21:55 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | | mg/L | | 07/01/19 15:37 | 07/02/19 21:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 88 | | 50 _ 150 | | | | 07/01/19 15:37 | 07/02/19 21:55 | 1 |

Lab Sample ID: MB 580-304552/1-A

Matrix: Water

Analysis Batch: 304632

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

Job ID: 580-87060-1

| Client Sample ID: Method Blank | |
|--------------------------------|--|
| Prep Type: Total/NA | |
| Prep Batch: 304552 | |

| Analysis Dalch. 304032 | | | | | | | | | | | гіер в | attin. 5 | 0433 |
|----------------------------|--------------|--------------|----------|--------|-------|-------|------|--------|-------------------|------------|------------|----------|--------|
| | м | B MB | | | | | | | | | | | |
| Analyte | Resu | It Qualifier | RL | | MDL | Unit | | D | Pr | repared | Analyze | d | Dil Fa |
| #2 Diesel (C10-C24) | N | D | 0.065 | | | mg/L | | | 07/0 | 1/19 15:37 | 07/02/19 1 | 5:20 | |
| Motor Oil (>C24-C36) | Ν | D | 0.096 | | | mg/L | | C | 07/0 [/] | 1/19 15:37 | 07/02/19 1 | 5:20 | |
| | М | B MB | | | | | | | | | | | |
| Surrogate | %Recover | ry Qualifier | Limits | | | | | | Pı | repared | Analyze | d | Dil Fa |
| o-Terphenyl | 8 | 39 | 50 - 150 | | | | | 0 | 07/0 | 1/19 15:37 | 07/02/19 1 | 5:20 | |
| Lab Sample ID: LCS 580-304 | 552/2-A | | | | | | | Clie | ent | Sample | ID: Lab Co | ntrol Sa | ampl |
| Matrix: Water | | | | | | | | | | | Prep Ty | | |
| Analysis Batch: 304632 | | | | | | | | | | | Prep B | | |
| | | | Spike | LCS | LCS | | | | | | %Rec. | | |
| Analyte | | | Added | Result | Quali | ifier | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.408 | | | mg/L | | | 82 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.483 | | | mg/L | | | 97 | 64 - 120 | | |
| | LCS LC | cs | | | | | | | | | | | |
| Surrogate | %Recovery Qu | ualifier | Limits | | | | | | | | | | |
| o-Terphenyl | 90 | | 50 - 150 | | | | | | | | | | |
| Lab Sample ID: LCSD 580-30 | 4552/3-A | | | | | | CI | ient S | am | ple ID: L | ab Control | Sampl | le Dur |
| Matrix: Water | | | | | | | | | | | Prep Ty | | |
| Analysis Batch: 304632 | | | | | | | | | | | Prep B | | |
| | | | Spike | LCSD | LCSE |) | | | | | %Rec. | | RP |
| Analyte | | | Added | Result | Quali | ifier | Unit | | D | %Rec | Limits | RPD | Lim |
| #2 Diesel (C10-C24) | · | | 0.500 | 0.374 | - | | mg/L | | | 75 | 50 - 120 | 9 | 2 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.462 | | | mg/L | | | 92 | 64 - 120 | 5 | 2 |
| | LCSD LC | CSD | | | | | | | | | | | |
| Surrogate | %Recovery Qu | ualifier | Limits | | | | | | | | | | |
| o-Terphenyl | | | | | | | | | | | | | |

Prep Type

Total/NA

Total/NA

Batch

Туре

Prep

Client Sample ID: PZ-7S-061819

Analysis

Batch

Method

3510C

NWTPH-Dx

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-87060-1

Lab Sample ID: 580-87060-3

Lab Sample ID: 580-87060-4

Lab Sample ID: 580-87060-5

Lab Sample ID: 580-87060-6

Lab Sample ID: 580-87060-2 Matrix: Water

| | Date Collected: Date Received: | | - | | | | | | | Matrix: |
|---|-----------------------------------|----------|----------|-----|----------|--------|----------------|---------|---------|---------|
| ſ | - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| | Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| | Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA | |
| | Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 16:48 | T1W | TAL SEA | |

Dilution

Factor

1

Run

Batch

Number

304552

Prepared

or Analyzed

07/01/19 15:37

304632 07/02/19 16:26

Analyst

N1C

T1W

Lab

TAL SEA

TAL SEA

Client Sample ID: PZ-8-061819

Date Collected: 06/18/19 11:15

| Date Received: 06/20/19 14:05 |
|-------------------------------|
|-------------------------------|

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 17:10 | T1W | TAL SEA |

Client Sample ID: S-W-43-061819

Date Collected: 06/18/19 11:16

Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 17:32 | T1W | TAL SEA |

Client Sample ID: EW-1-061819

Date Collected: 06/18/19 14:18 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 17:53 | T1W | TAL SEA |

Client Sample ID: GW-2-061819 Date Collected: 06/18/19 14:35 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 18:15 | T1W | TAL SEA |

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-87060-7 Matrix: Water

Lab Sample ID: 580-87060-8

Lab Sample ID: 580-87060-10

Lab Sample ID: 580-87060-11

Lab Sample ID: 580-87060-12

Client Sample ID: GW-20-061819 Date Collected: 06/18/19 14:45 Date Received: 06/20/19 14:05

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 18:37 | T1W | TAL SEA |

Client Sample ID: S2-BD-061819 Date Collected: 06/18/19 14:57 Date Received: 06/20/19 14:05

| Γ | | Batch | Batch | | Dilution | Batch | Prepared | | |
|------|--------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Pre | р Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Tota | al/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Tota | al/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 19:21 | T1W | TAL SEA |

Client Sample ID: S2-AU-061819

Lab Sample ID: 580-87060-9 Matrix: Water

Date Collected: 06/18/19 15:12 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 19:43 | T1W | TAL SEA |

Client Sample ID: S2-BU-061819

Date Collected: 06/18/19 15:30

Date Received: 06/20/19 14:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analvzed | Analvst | Lab |
|-----------|---------------|-----------------|------|--------------------|-----------------|-------------------------|---------|---------|
| Total/NA | Prep | | Kull | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 20:05 | T1W | TAL SEA |

Client Sample ID: S2-AD-061819

Date Collected: 06/18/19 15:39 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 20:27 | T1W | TAL SEA |

Client Sample ID: WG-WV-061819 Date Collected: 06/18/19 16:05 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 20:49 | T1W | TAL SEA |

Matrix: Water

Matrix: Water

Lab Sample ID: 580-87060-13

Lab Sample ID: 580-87060-14

2 3 4 5 6 7 8

Client Sample ID: WG-EV-061819 Date Collected: 06/18/19 16:10 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 21:11 | T1W | TAL SEA |

Client Sample ID: FWG-EV-061819 Date Collected: 06/18/19 16:48 Date Received: 06/20/19 14:05

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 21:33 | T1W | TAL SEA |

Client Sample ID: FWG-WV-061819

Lab Sample ID: 580-87060-15 Matrix: Water

Date Collected: 06/18/19 16:52 Date Received: 06/20/19 14:05

| ſ | _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|---|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| | Total/NA | Prep | 3510C | | | 304552 | 07/01/19 15:37 | N1C | TAL SEA |
| | Total/NA | Analysis | NWTPH-Dx | | 1 | 304632 | 07/02/19 21:55 | T1W | TAL SEA |

Laboratory References:

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

5

8 9

Laboratory: Eurofins TestAmerica, Seattle Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. Authority Program EPA Region Identification Number **Expiration Date** Washington State Program 10 C553 02-17-20 The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. Matrix Analysis Method Prep Method Analyte

Sample Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Monthly

| | n Consulting LLC NSF Skykomish Monthly | | | | Job ID: 580-87060-1 | |
|---------------|---|--------|----------------|----------------|---------------------|--|
| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID | |
| 580-87060-1 | GW-1-061819 | Water | 06/18/19 09:51 | 06/20/19 14:05 | | |
| 580-87060-2 | PZ-7S-061819 | Water | 06/18/19 10:00 | 06/20/19 14:05 | | |
| 580-87060-3 | PZ-8-061819 | Water | 06/18/19 11:15 | 06/20/19 14:05 | | |
| 580-87060-4 | S-W-43-061819 | Water | 06/18/19 11:16 | 06/20/19 14:05 | | |
| 580-87060-5 | EW-1-061819 | Water | 06/18/19 14:18 | 06/20/19 14:05 | | |
| 580-87060-6 | GW-2-061819 | Water | 06/18/19 14:35 | 06/20/19 14:05 | | |
| 580-87060-7 | GW-20-061819 | Water | 06/18/19 14:45 | 06/20/19 14:05 | | |
| 580-87060-8 | S2-BD-061819 | Water | 06/18/19 14:57 | 06/20/19 14:05 | | |
| 580-87060-9 | S2-AU-061819 | Water | 06/18/19 15:12 | 06/20/19 14:05 | | |
| 580-87060-10 | S2-BU-061819 | Water | 06/18/19 15:30 | 06/20/19 14:05 | | |
| 580-87060-11 | S2-AD-061819 | Water | 06/18/19 15:39 | 06/20/19 14:05 | | |
| 580-87060-12 | WG-WV-061819 | Water | 06/18/19 16:05 | 06/20/19 14:05 | | |
| 580-87060-13 | WG-EV-061819 | Water | 06/18/19 16:10 | 06/20/19 14:05 | | |
| 580-87060-14 | FWG-EV-061819 | Water | 06/18/19 16:48 | 06/20/19 14:05 | | |
| 580-87060-15 | FWG-WV-061819 | Water | 06/18/19 16:52 | 06/20/19 14:05 | | |
| | | | | | | |

| | - | | | L. | ABORA | TORY IN | FORMAT | ION | | LAB WORK ORDER: 8706 | 0 |
|---|------------------|--------------------|---------------------------------------|------------|-----------------|-----------------|---------|----------------|-----------------------------|---|--------------------|
| BNSF | Laboratory: | | | | | | | Project Manage | ər: | SHIPMENT INFORMATIO | N |
| RAILWAY | Address: | | | | | | | Phone: | | Shipment Method: | |
| CHAIN OF CUSTODY | City/State/ZIP | | | | | <u> </u> | | Fax: | | Tracking Number: | |
| BNSF PROJECT INFORMATION | Project State of | wes | hington | | | | С | ONSULTANT | INFORMATION | Project Number: | |
| SNSF Project Number: 683-067 | Project City: | stykoma | sh | | Company | a | raller | n Consi | reting | Project Manager: Pede Kingston | |
| | lanthly | | | | Address: | 975 | 549 | AVE NO | F1 | Email: Pkingston@farallon Carie Phone: Phone Fax: | ILLA COAR |
| NSF Contact: | BNSF Work O | rder No.: | · · · · · · · · · · · · · · · · · · · | | City/State | 1/ZIP: 15 | | h, us | 4 95027 | Phone: Hd5 -295 -2800 | uy.corr |
| TURNAROUND TIME | | ELIVERABLES | |] Other De | eliverable | | | | METHODS FOR A | | |
| 1-day Rush 5- to 8-day Rush | BNSF S | landard (Level II) | | | | | | | | | |
| 2-day Rush Standard 10-Day | Levei III | | Г | EDD Red | ą, Format | ? | | | | | |
| 🗙 3-day Rush 🔄 Other | Level IV | | | | | | | ž | | | |
| | MPLE INFORM | | | | | | | | | | |
| ****** | | Sam | ple Collection | | 1 | Туре | | dL | | 580-87060 Chain of Custody | |
| Sample Identification | Containers | Date | Time | Sampler | Filtered Y/N | (Comp/ Grab) | Matrix | HUTWN | | | |
| GW-1-061819 | | | | | | | | | | COMMENTS | LAB USE |
| | 2 | 6/18/19 | 0951 | 69 | N | 6 | Wester | K | | | |
| PZ-13-061819 | | \ | 1000 | LT | | | | X | | Therm ID: <u>42</u> Cor: <u>1.4</u> • | Unc: 1.7 |
| PZ-8-061819 | | | 1115 | LT | | | | X | | Cooler Dsc: <u>by files</u> Packing: <u>aubble</u> Fed | Ex: |
| 5-W-43-061819 | | | 1116 | GP | | | | X | | Cant Seed, Ver V V | : Cour: <u></u> |
| EW-1-061819 | | <u> </u> | 1418 | 6P | | | | x | | | cour: <u>v</u> |
| GW-2-061819 | | | 1435 | 67 | | | | K | | | 13.0 |
| GW-20-061819 | | | 1445 | LT | | | | X | | Therm. ID: <u>#~7</u> Cor: <u>3.7</u> ° | Unc: 9.0 |
| S2-BD-061819 | | | 1457 | 6P | | | | X | | Cooler Dsc: $\underline{l_{y}} \underline{\beta} \underline{h_{y}} \underline{\ell}$ Packing: $\underline{\beta} \underline{h_{y}} \underline{h_{y}} \underline{\ell}$ Fed | Ex: |
| S2-AU-061819 | | | 1512 | LT | | | | X | | Packing: Buhhld UPS Cust. Seal: Yes Y No Lab | Cour: Y |
| 52-BU-061819 | | | 1530 | 6P | | | | X | | | er: |
| 52-49-061819 | | | 1539 | LT | | | | X | | | |
| WG-WV-061819 | | | 1605 | GP | | | | X | | Therm. ID: $A \ Cor: 0.2 \ Cooler Dsc: 1. B_{11} \ Cor$ | Unc: U.> |
| WG-EV-061819 | | | 1610 | LT | | | | X | | Packing Dubble Fe | IEx: |
| FWG - EV-061819 | | | 1648 | | | | | X | | Cust. Seal: Yes <u>V</u> No La | b Cour: X |
| FWG-WV-961819 | 1 | L | 1 1 | | | L | 1 | X | | Blue Ice, Vet, Dry, None Otl | ner: |
| inquished By: | Date/Time: | 9/19/054 | Received By: | 24 | | | | | Date/fime: G/201199 1405 | Comments and Special Analytical Requirements: | |
| inquished By: | Date/Time: | //· / | Received By: | / | | | | | Date/Time: | | |
| inquished By: | Date/Time: | | Received By: | | | ······ | | | Date/Time: | - | |
| seived by Laboratory: | Date/Time: | | Lab Remarks: | | | | | | Lab: Custody Intact? | Custody Seal No. BNSF COC No. | |
| SINAL - RETHEN TO LABORATORY WITH SAMPLES | | | L | | | | | | Ves No | | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

DUPLICATE - CONSULTANT

TAL-1001 (0912)

e.

Client: Farallon Consulting LLC

Login Number: 87060 List Number: 1

Creator: Blankinship, Tom X

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

Job Number: 580-87060-1

List Source: Eurofins TestAmerica, Seattle

🛟 eurofins

Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-87064-1

Client Project/Site: BNSF Skykomish Ground Water Sampling Event: Skykomish HCC System

For:

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Knistine D. allen

Authorized for release by: 7/8/2019 12:07:24 PM Kristine Allen, Manager of Project Management (253)248-4970

kristine.allen@testamericainc.com

LINKS Review your project results through TOTOLACCESS Have a Question? Ask

Visit us at: www.testamericainc.com

The

Expert

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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| | |

Job ID: 580-87064-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-87064-1

Comments

No additional comments.

Receipt

The samples were received on 6/20/2019 2:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 0.2° C, 0.7° C, 0.9° C, 1.4° C and 2.5° C.

GC Semi VOA

Method(s) NWTPH-Dx: Surrogate recovery for the following sample was outside control limits: GW-3-061819 (580-87064-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: 5-W-56-061919 (580-87064-11), 5-W-51-061919 (580-87064-13), 1C-W-7-061919 (580-87064-16), 2A-W-9-061919 (580-87064-21), 2A-W-10-061919 (580-87064-22) and MW-3-061919 (580-87064-24).

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

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

4

Qualifiers

| GC Semi | VOA |
|---------|-----|
|---------|-----|

 Qualifier
 Qualifier Description

 X
 Surrogate is outside control limits

Classom

| AbbreviationThese commonly used abbreviations may or may not be present in this report.aListed under the "D" column to designate that the result is reported on a dry weight basis%RPercent RecoveryCFLContains Free LiquidCNFContains No Free Liquid absolute difference)DERDuplicate Error Ratio (normalized absolute difference)Dil FacDilution FactorDLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LOQLimit of Detection (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
|---|--|
| %RPercent RecoveryCFLContains Free LiquidCNFContains No Free LiquidDERDuplicate Error Ratio (normalized absolute difference)Di IracDiution FactorDLDetection Limit (DoD/DE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LOQLimit of Detection (DoD/DE)LOQLimit of Quantitation (DoD/DE)MDAMinimun Detectable Activity (Radiochemistry)MDAMinimun Detectable Activity (Radiochemistry)MDAMinimun Detectable Activity (Radiochemistry) | |
| CFLContains Free LiquidCNFContains No Free LiquidDERDuplicate Error Ratio (normalized absolute difference)Dil FacDilution FactorDLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dox/DOE)LOQLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLWethod Detection (Initi (Diacin) | |
| CNFContains No Free LiquidDERDuplicate Error Ratio (normalized absolute difference)Dil FacDilution FactorDLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimun Detectable Activity (Radiochemistry)MDCMinimun Detectable Concentration (Radiochemistry)MDLMethod Detection Limit (Dioxin) | |
| DERDuplicate Error Ratio (normalized absolute difference)Dil FacDilution FactorDLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit (Dioxin) | |
| Dil FacDilution FactorDLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit (Dioxin) | |
| DLDetection Limit (DoD/DOE)DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
| DL, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleDLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
| DLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
| EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
| LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
| LOQLimit of Quantitation (DoD/DOE)MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
| MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection Limit | |
| MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit | |
| MDL Method Detection Limit | |
| | |
| | |
| ML Minimum Level (Dioxin) | |
| NC Not Calculated | |
| ND Not Detected at the reporting limit (or MDL or EDL if shown) | |
| PQL Practical Quantitation Limit | |
| QC Quality Control | |
| RER Relative Error Ratio (Radiochemistry) | |
| RL Reporting Limit or Requested Limit (Radiochemistry) | |
| RPD Relative Percent Difference, a measure of the relative difference between two points | |
| TEF Toxicity Equivalent Factor (Dioxin) | |
| TEQ Toxicity Equivalent Quotient (Dioxin) | |

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-87064-1

Matrix: Water

5

Lab Sample ID: 580-87064-1

Client Sample ID: 2A-W-41-061819 Date Collected: 06/18/19 11:06

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------------|--------------------------|-----------------|--------------|-------------------|---|----------------------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.28 | | 0.062 | 0.062 | mg/L | | 06/27/19 14:05 | 06/29/19 00:51 | 1 |
| Motor Oil (>C24-C36) | 0.23 | | 0.092 | 0.092 | mg/L | | 06/27/19 14:05 | 06/29/19 00:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 85 | | 50 - 150 | | | | 06/27/19 14:05 | 06/29/19 00:51 | 1 |
| | | | | | | | | | |
| | | Products by Qualifier | / NWTPH with \$ | | I Cleanup Unit | D | Prepared | Analyzed | Dil Fa |
| Analyte | | | | | Unit | | Prepared 06/27/19 14:05 | Analyzed | Dil Fa |
| Analyte #2 Diesel (C10-C24) | Result | | RL | MDL | Unit mg/L | | · | | Dil Fa |
| Method: NWTPH-Dx - Semi- Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate | Result ND ND | Qualifier | RL 0.062 | MDL 0.062 | Unit mg/L | | 06/27/19 14:05 | 06/28/19 22:39 | Dil Fac |

Job ID: 580-87064-1

Matrix: Water

Lab Sample ID: 580-87064-2

Client Sample ID: 2A-W-410-061819 Date Collected: 06/18/19 11:07

Date Received: 06/20/19 14:05

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.29 | | 0.062 | 0.062 | mg/L | | 06/27/19 14:05 | 06/29/19 01:13 | 1 |
| Motor Oil (>C24-C36) | 0.23 | | 0.092 | 0.092 | mg/L | | 06/27/19 14:05 | 06/29/19 01:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 77 | | 50 - 150 | | | | 06/27/19 14:05 | 06/29/19 01:13 | 1 |

Client Sample ID: 1B-W-23-061819 Date Collected: 06/18/19 14:35

Date Received: 06/20/19 14:05

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 | | 0.063 | 0.063 | mg/L | | 06/27/19 14:05 | 06/29/19 01:35 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.093 | 0.093 | mg/L | | 06/27/19 14:05 | 06/29/19 01:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 06/27/19 14:05 | 06/29/19 01:35 | 1 |

Lab Sample ID: 580-87064-3

Job ID: 580-87064-1

Matrix: Water

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Client Sample ID: GW-3-061819 Date Collected: 06/18/19 16:01

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------------------|--------------------------|-----------------------|------------------|------------------------------|---|----------------------------|----------------------------|------------------------------|
| #2 Diesel (C10-C24) | 0.18 | | 0.063 | 0.063 | mg/L | | 06/27/19 14:05 | 06/29/19 01:57 | 1 |
| Motor Oil (>C24-C36) | 0.15 | | 0.092 | 0.092 | mg/L | | 06/27/19 14:05 | 06/29/19 01:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 288 | X | 50 - 150 | | | | 06/27/19 14:05 | 06/29/19 01:57 | 1 |
| | | | | | | | | | |
| Method: NWTPH-Dx - Semi-V | /olatile Petroleum | Products by | / NWTPH with \$ | Silica Ge | l Cleanup | | | | |
| | | Products by Qualifier | y NWTPH with \$ RL | Silica Ge MDL | l Cleanup _{Unit} | D | Prepared | Analyzed | Dil Fac |
| Analyte | | | | | Unit | | Prepared 06/27/19 14:05 | Analyzed 06/28/19 23:01 | Dil Fac |
| Analyte #2 Diesel (C10-C24) | Result | | | MDL | Unit mg/L | | · | | Dil Fac |
| Analyte #2 Diesel (C10-C24) | Result ND | | RL | MDL 0.063 | Unit mg/L | | 06/27/19 14:05 | 06/28/19 23:01 | Dil Fac |
| Method: NWTPH-Dx - Semi-V Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate | Result ND | Qualifier | RL | MDL 0.063 | Unit mg/L | | 06/27/19 14:05 | 06/28/19 23:01 | Dil Fac 1 1 Dil Fac |

Job ID: 580-87064-1

Lab Sample ID: 580-87064-4

Matrix: Water

Client Sample ID: GW-30-061819 Date Collected: 06/18/19 16:05

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 06/27/19 14:05 | 06/29/19 02:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 06/27/19 14:05 | 06/29/19 02:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 92 | | 50 - 150 | | | | 06/27/19 14:05 | 06/29/19 02:19 | 1 |

Job ID: 580-87064-1

Lab Sample ID: 580-87064-5

Matrix: Water

Job ID: 580-87064-1

Matrix: Water

Lab Sample ID: 580-87064-6

Client Sample ID: 2A-W-42-061819 Date Collected: 06/18/19 17:45

Date Received: 06/20/19 14:05

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.16 | | 0.062 | 0.062 | mg/L | | 06/27/19 14:05 | 06/29/19 02:41 | 1 |
| Motor Oil (>C24-C36) | 0.16 | | 0.091 | 0.091 | mg/L | | 06/27/19 14:05 | 06/29/19 02:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 82 | | 50 - 150 | | | | 06/27/19 14:05 | 06/29/19 02:41 | 1 |

Eurofins TestAmerica, Seattle

Client Sample ID: 5-W-19-061819 Date Collected: 06/18/19 18:52

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 06/27/19 14:05 | 06/29/19 03:03 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 06/27/19 14:05 | 06/29/19 03:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 92 | | 50 - 150 | | | | 06/27/19 14:05 | 06/29/19 03:03 | 1 |

Lab Sample ID: 580-87064-7

Job ID: 580-87064-1

5

Eurofins TestAmerica, Seattle

Matrix: Water

Client Sample ID: 5-W-18-061919 Date Collected: 06/19/19 08:42

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 13:27 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 13:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 89 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 13:27 | 1 |

Job ID: 580-87064-1

Matrix: Water

Lab Sample ID: 580-87064-8

Client Sample ID: 5-W-16-061919 Date Collected: 06/19/19 09:40

Date Received: 06/20/19 14:05

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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 13:48 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 13:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 96 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 13:48 | 1 |

Lab Sample ID: 580-87064-9

Matrix: Water

Job ID: 580-87064-1

Client Sample ID: 5-W-17-061919 Date Collected: 06/19/19 10:44

Date Received: 06/20/19 14:05

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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 14:10 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 14:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 14:10 | 1 |

Matrix: Water

Job ID: 580-87064-1

Lab Sample ID: 580-87064-10

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.81 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 14:32 | 1 |
| Motor Oil (>C24-C36) | 1.5 | | 0.092 | 0.092 | mg/L | | 07/02/19 10:40 | 07/03/19 14:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 80 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 14:32 | 1 |

Lab Sample ID: 580-87064-11

Matrix: Water

Client Sample ID: 5-W-55-061919 Date Collected: 06/19/19 13:11

Date Received: 06/20/19 14:05

| 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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 14:54 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 14:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 94 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 14:54 | 1 |

Lab Sample ID: 580-87064-12

Matrix: Water

Job ID: 580-87064-1

Client Sample ID: 5-W-51-061919 Date Collected: 06/19/19 14:09

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.39 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 15:16 | 1 |
| Motor Oil (>C24-C36) | 0.35 | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 15:16 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 15:16 | 1 |

Lab Sample ID: 580-87064-13

Job ID: 580-87064-1

Matrix: Water

Client Sample ID: 5-W-14-061919 Date Collected: 06/19/19 15:06

Date Received: 06/20/19 14:05

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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 15:38 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 15:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 89 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 15:38 | 1 |

Lab Sample ID: 580-87064-14

Matrix: Water

5

Client Sample ID: 1B-W-3-161919 Date Collected: 06/19/19 08:48

|--|

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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 16:22 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 07/02/19 10:40 | 07/03/19 16:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 95 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 16:22 | 1 |

Lab Sample ID: 580-87064-15

Job ID: 580-87064-1

Matrix: Water

Eurofins TestAmerica, Seattle

Client Sample ID: 1C-W-7-061919 Date Collected: 06/19/19 10:07

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.074 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 16:44 | 1 |
| Motor Oil (>C24-C36) | 0.10 | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 16:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 93 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 16:44 | 1 |

Lab Sample ID: 580-87064-16 Matrix: Water

atrix: water

Job ID: 580-87064-1

Client Sample ID: GW-4-061919 Date Collected: 06/19/19 11:35

Date Received: 06/20/19 14:05

| Method: NWTPH-Dx - North | west - Semi-Volatile | Petroleum | Products (GC) | | | | | | |
|--------------------------|----------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 17:06 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 17:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 94 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 17:06 | 1 |

7/8/2019

Lab Sample ID: 580-87064-17 Matrix: Water

Client Sample ID: EW-2A-061919 Date Collected: 06/19/19 13:00

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 17:28 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 07/02/19 10:40 | 07/03/19 17:28 | 1 |
| | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 17:28 | 1 |

Lab Sample ID: 580-87064-18

Job ID: 580-87064-1

Matrix: Water

Client Sample ID: 1C-W-1-061919 Date Collected: 06/19/19 14:07

Date Received: 06/20/19 14:05

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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 17:50 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 17:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 88 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 17:50 | 1 |

Lab Sample ID: 580-87064-19

Job ID: 580-87064-1

Matrix: Water

Client Sample ID: 1C-W-8-061919 Date Collected: 06/19/19 15:00

Date Received: 06/20/19 14:05

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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 18:12 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 07/02/19 10:40 | 07/03/19 18:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 96 | | 50 _ 150 | | | | 07/02/19 10:40 | 07/03/19 18:12 | 1 |

Lab Sample ID: 580-87064-20

Job ID: 580-87064-1

Matrix: Water

Client Sample ID: 2A-W-9-061919 Date Collected: 06/19/19 16:21

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.10 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 18:34 | 1 |
| Motor Oil (>C24-C36) | 0.12 | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 18:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 96 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 18:34 | 1 |

Lab Sample ID: 580-87064-21

7/8/2019

Job ID: 580-87064-1

Client Sample ID: 2A-W-10-061919 Date Collected: 06/19/19 16:40

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 18:56 | 1 |
| Motor Oil (>C24-C36) | 0.19 | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 18:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 95 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 18:56 | 1 |

Lab Sample ID: 580-87064-22 Matrix: Water

/ater 4

Client Sample ID: 2B-W-4-061919 Date Collected: 06/19/19 17:48

Date Received: 06/20/19 14:05

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 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 19:17 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 19:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 19:17 | 1 |

Job ID: 580-87064-1

Matrix: Water

Lab Sample ID: 580-87064-23

Job ID: 580-87064-1

Client Sample ID: MW-3-061919 Date Collected: 06/19/19 16:40

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.33 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/03/19 19:39 | 1 |
| Motor Oil (>C24-C36) | 0.74 | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/03/19 19:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 85 | | 50 - 150 | | | | 07/02/19 10:40 | 07/03/19 19:39 | 1 |

 Lab Sample ID: 580-87064-24 Matrix: Water
 3

 Prepared
 Analyzed
 Dil Fac
 5

Client Sample ID: MW-4-061919 Date Collected: 06/19/19 17:47

Date Received: 06/20/19 14:05

| Method: NWTPH-Dx - North Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.063 | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/06/19 14:29 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/06/19 14:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 93 | | 50 - 150 | | | | 07/02/19 10:40 | 07/06/19 14:29 | 1 |

Matrix: Water

Job ID: 580-87064-1

Lab Sample ID: 580-87064-25

Client Sample ID: MW-555-061919 Date Collected: 06/19/19 18:25

Date Received: 06/20/19 14:05

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 07/02/19 10:40 | 07/06/19 14:51 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 07/02/19 10:40 | 07/06/19 14:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 79 | | 50 - 150 | | | | 07/02/19 10:40 | 07/06/19 14:51 | 1 |

Lab Sample ID: 580-87064-26

Matrix: Water

Job ID: 580-87064-1

Lab Sample ID: MB 580-304216/1-A

Motor Oil (>C24-C36)

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

Client Sample ID: Method Blank

5 6

| | 210/1-4 | | | | | | | | | | chefit 3a | | | |
|--|-----------|-------|-----------|----------|--------|-------|--------|------|---|-------|------------|----------------------------------|---------|---------|
| Matrix: Water | | | | | | | | | | | | Prep Ty | ype: To | otal/NA |
| Analysis Batch: 304316 | | | | | | | | | | | | Prep B | atch: | 304216 |
| | | ΜВ | MB | | | | | | | | | | | |
| Analyte | Re | esult | Qualifier | RL | | MDL | Unit | | D | P | repared | Analyze | ∋d | Dil Fac |
| #2 Diesel (C10-C24) | | ND | | 0.065 | | 0.065 | mg/L | | | 06/2 | 7/19 14:05 | 06/28/19 2 | 3:45 | 1 |
| Motor Oil (>C24-C36) | | ND | | 0.096 | i | 0.096 | mg/L | | | 06/2 | 7/19 14:05 | 06/28/19 2 | 3:45 | 1 |
| | | | | | | | | | | | | | | |
| | | | МВ | | | | | | | | | | | |
| Surrogate | %Reco | | Qualifier | Limits | | | | | | P | repared | Analyze | ∋d | Dil Fac |
| o-Terphenyl | | 99 | | 50 - 150 | | | | | | 06/2 | 7/19 14:05 | 06/28/19 2 | :3:45 | 1 |
| Lab Sample ID: LCS 580-304 | 1216/2-A | | | | | | | | C | lient | Sample | ID: Lab Co | ntrol S | Sample |
| Matrix: Water | | | | | | | | | | | | Prep Ty | ype: To | otal/NA |
| Analysis Batch: 304316 | | | | | | | | | | | | Prep B | atch: | 304216 |
| | | | | Spike | LCS | LCS | ; | | | | | %Rec. | | |
| Analyte | | | | Added | Result | Qua | lifier | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.447 | | | mg/L | | _ | 89 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.521 | | | mg/L | | | 104 | 64 - 120 | | |
| | | | | | | | | | | | | | | |
| | LCS | | | | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | | | |
| o-Terphenyl | 95 | | | 50 - 150 | | | | | | | | | | |
| Matrix: Water Analysis Batch: 304316 | | | | Spike | LCSD | LCS | D | | | | | Prep Ty Prep B %Rec. | | |
| Analyte | | | | Added | Result | Qua | lifier | Unit | | D | %Rec | Limits | RPD | Limi |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.461 | | | mg/L | | _ | 92 | 50 - 120 | 3 | 26 |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.504 | | | mg/L | | | 101 | 64 - 120 | 3 | 24 |
| | LCSD | LCS | D | | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | | | |
| o-Terphenyl | 93 | | | 50 - 150 | | | | | | | | | | |
| Lab Sample ID: MB 580-304 Matrix: Water Analysis Batch: 304710 | 607/1-A | МВ | МВ | | | | | | | | Client Sa | ample ID: M Prep Ty Prep B | ype: To | otal/NA |
| Analyte | Re | esult | Qualifier | RL | | MDL | Unit | | D | P | repared | Analyze | ∋d | Dil Fac |
| #2 Diesel (C10-C24) | | ND | _ | 0.065 | | 0.065 | mg/L | | | 07/0 | 2/19 10:39 | 07/03/19 1 | 2:22 | 1 |
| Motor Oil (>C24-C36) | | ND | | 0.096 | i | 0.096 | mg/L | | | 07/0 | 2/19 10:39 | 07/03/19 1 | 2:22 | 1 |
| | | ΜВ | МВ | | | | | | | | | | | |
| Surrogate | %Reco | very | Qualifier | Limits | | | | | | P | repared | Analyze | | Dil Fac |
| o-Terphenyl | | 90 | | 50 - 150 | | | | | | 07/0 | 2/19 10:39 | 07/03/19 1 | 2:22 | 1 |
| Lab Sample ID: LCS 580-304 Matrix: Water | 4607/2-A | | | | | | | | C | lient | Sample | ID: Lab Co Prep Ty | | |
| Analysis Batch: 304710 | | | | | | | | | | | | Prep B | | |
| | | | | Spike | LCS | LCS | ; | | | | | %Rec. | | |
| Analyte | | | | Added | Result | | | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.396 | | | mg/L | | _ | 79 | 50 - 120 | | |
| Motor Oil (>C24 C36) | | | | 0.500 | 0.400 | | | ma/l | | | 08 | 64 120 | | |

Eurofins TestAmerica, Seattle

64 - 120

98

0.490

mg/L

0.500

6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued) Lab Sample ID: LCS 580-304607/2-A **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 304710 Prep Batch: 304607 LCS LCS Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl 105 Lab Sample ID: LCSD 580-304607/3-A **Client Sample ID: Lab Control Sample Dup** Matrix: Water Prep Type: Total/NA Analysis Batch: 304710 Prep Batch: 304607 Spike LCSD LCSD %Rec. RPD Added RPD Limit Analyte Result Qualifier %Rec Limits Unit D #2 Diesel (C10-C24) 0.500 0.367 50 - 120 7 26 mg/L 73 Motor Oil (>C24-C36) 0.500 0.470 mg/L 94 64 - 120 4 24 LCSD LCSD Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl 87 Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup Lab Sample ID: MB 580-304216/1-B **Client Sample ID: Method Blank** Matrix: Water Prep Type: Total/NA Analysis Batch: 304316 Prep Batch: 304216 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac #2 Diesel (C10-C24) ND 0.065 0.065 mg/L 06/27/19 14:05 06/28/19 21:32 1 Motor Oil (>C24-C36) 0.096 ND 0.096 mg/L 06/27/19 14:05 06/28/19 21:32 1 MB MB Surrogate Qualifier Limits Prepared Dil Fac %Recovery Analyzed o-Terphenyl 101 50 - 150 06/27/19 14:05 06/28/19 21:32 1 Lab Sample ID: LCS 580-304216/2-B **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 304316 Prep Batch: 304216 Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits #2 Diesel (C10-C24) 0.500 0.431 mg/L 86 50 - 120 Motor Oil (>C24-C36) 0.500 0.522 mg/L 104 64 - 120LCS LCS Surrogate %Recovery Qualifier Limits o-Terphenyl 50 - 150 111 Lab Sample ID: LCSD 580-304216/3-B **Client Sample ID: Lab Control Sample Dup**

| Matrix: Water | | | | | | | Prep T | ype: To | tal/NA |
|------------------------|-------|--------|-----------|------|---|------|----------|----------|--------|
| Analysis Batch: 304316 | | | | | | | Prep E | Batch: 3 | 04216 |
| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | 0.500 | 0.472 | | mg/L | | 94 | 50 _ 120 | 9 | 26 |
| Motor Oil (>C24-C36) | 0.500 | 0.533 | | mg/L | | 107 | 64 - 120 | 2 | 24 |
| LCSD | LCSD | | | | | | | | |

| | LCSD | LCSD | |
|-------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| o-Terphenyl | 109 | | 50 - 150 |

Dilution

Factor

Run

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Client Sample ID: 2A-W-41-061819

Batch

Туре

Prep

Prep

Batch

Method

Date Collected: 06/18/19 11:06

Date Received: 06/20/19 14:05

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Lab Sample ID: 580-87064-1 Matrix: Water

3510C 304216 06/27/19 14:05 DCV TAL SEA 3630C 304260 DCV TAL SEA Cleanup 06/27/19 18:56 Analysis NWTPH-Dx 1 304316 06/28/19 22:39 JCM TAL SEA 3510C 304216 DCV TAL SEA 06/27/19 14:05 Analysis NWTPH-Dx 1 304316 06/29/19 00:51 JCM TAL SEA Lab Sample ID: 580-87064-2 Client Sample ID: 2A-W-410-061819 Date Collected: 06/18/19 11:07 Date Received: 06/20/19 14:05 Batch Batch Dilution Batch Prenared

Batch

Number

Prepared

or Analyzed

Analyst

Lab

| | Baton | Baton | | Bhation | Baton | Tiopaioa | | |
|-----------|----------|----------|-----|---------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304216 | 06/27/19 14:05 | DCV | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304316 | 06/29/19 01:13 | JCM | TAL SEA |
| <u> </u> | | | | | | | | |

Client Sample ID: 1B-W-23-061819 Date Collected: 06/18/19 14:35 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304216 | 06/27/19 14:05 | DCV | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304316 | 06/29/19 01:35 | JCM | TAL SEA |

Client Sample ID: GW-3-061819 Date Collected: 06/18/19 16:01 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304216 | 06/27/19 14:05 | DCV | TAL SEA |
| Total/NA | Cleanup | 3630C | | | 304260 | 06/27/19 18:56 | DCV | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304316 | 06/28/19 23:01 | JCM | TAL SEA |
| Total/NA | Prep | 3510C | | | 304216 | 06/27/19 14:05 | DCV | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304316 | 06/29/19 01:57 | JCM | TAL SEA |

Client Sample ID: GW-30-061819 Date Collected: 06/18/19 16:05 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304216 | 06/27/19 14:05 | DCV | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304316 | 06/29/19 02:19 | JCM | TAL SEA |

Lab Sample ID: 580-87064-3 Matrix: Water

Lab Sample ID: 580-87064-4

Lab Sample ID: 580-87064-5

Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: 2A-W-42-061819

Batch

Туре

Prep

Client Sample ID: 5-W-19-061819

Analysis

Batch

Method

3510C

NWTPH-Dx

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-87064-7 Matrix: Water

Lab Sample ID: 580-87064-8

Lab Sample ID: 580-87064-9

Lab Sample ID: 580-87064-10

Lab Sample ID: 580-87064-11

Lab Sample ID: 580-87064-6

Date Collected: 06/18/19 18:52 Date Received: 06/20/19 14:05

Date Collected: 06/18/19 17:45

Date Received: 06/20/19 14:05

Prep Type

Total/NA

Total/NA

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304216 | 06/27/19 14:05 | DCV | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304316 | 06/29/19 03:03 | JCM | TAL SEA |

Dilution

Factor

1

Run

Batch

Number

304216

304316

Prepared

or Analyzed

06/27/19 14:05

06/29/19 02:41

Analyst

DCV

JCM

Lab

TAL SEA

TAL SEA

Client Sample ID: 5-W-18-061919

Date Collected: 06/19/19 08:42

Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 13:27 | T1W | TAL SEA |

Client Sample ID: 5-W-16-061919

Date Collected: 06/19/19 09:40 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 13:48 | T1W | TAL SEA |

Client Sample ID: 5-W-17-061919

Date Collected: 06/19/19 10:44 Date Received: 06/20/19 14:05

| – | | | | | | | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Batch | Batch | | Dilution | Batch | Prepared | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 14:10 | T1W | TAL SEA |

Client Sample ID: 5-W-56-061919 Date Collected: 06/19/19 12:16 Date Received: 06/20/19 14:05

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 14:32 | T1W | TAL SEA |

Lab Sample ID: 580-87064-12 Matrix: Water Batch Droporod -13 ater -14 ater 304710 07/03/19 15:38 T1W TAL SEA Lab Sample ID: 580-87064-15 Matrix: Water

Client Sample ID: 5-W-55-061919 Date Collected: 06/19/19 13:11 Date Received: 06/20/19 14:05

Г

| | Batch | Batch | | Dilution | Batch | Prepared | | | |
|----------------|-----------------|----------|-----|----------|--------|----------------|---------|-------------|--------------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 14:54 | T1W | TAL SEA | |
| Client Samp | le ID: 5-W-51 | I-061919 | | | | | Lal | b Sample ID | : 580-87064- |
| Date Collected | : 06/19/19 14:0 | 9 | | | | | | | Matrix: Wa |
| Date Received: | 06/20/19 14:0 | 5 | | | | | | | |
| _ | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 15:16 | T1W | TAL SEA | |
| Client Samp | le ID: 5-W-14 | 4-061919 | | | | | Lal | b Sample ID | : 580-87064- |
| Date Collected | : 06/19/19 15:0 | 6 | | | | | | | Matrix: Wa |
| Date Received: | 06/20/19 14:0 | 5 | | | | | | | |
| _ | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA | |
| | | NWTPH-Dx | | | | 07/03/19 15:38 | | | |

Client Sample ID: 1B-W-3-161919

Date Collected: 06/19/19 08:48 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 16:22 | T1W | TAL SEA |

Client Sample ID: 1C-W-7-061919

Date Collected: 06/19/19 10:07 Date Received: 06/20/19 14:05

| Г | _ / . | | | | | | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Batch | Batch | | Dilution | Batch | Prepared | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 16:44 | T1W | TAL SEA |

Client Sample ID: GW-4-061919 Date Collected: 06/19/19 11:35 Date Received: 06/20/19 14:05

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 17:06 | T1W | TAL SEA |

Lab Sample ID: 580-87064-16

Lab Sample ID: 580-87064-17

Matrix: Water

Matrix: Water

Batch

Туре

Prep

Client Sample ID: 1C-W-1-061919

Analysis

Batch

Method

3510C

NWTPH-Dx

Client Sample ID: EW-2A-061919

Date Collected: 06/19/19 13:00

Date Received: 06/20/19 14:05

Prep Type

Total/NA

Total/NA

_

Matrix: Water

Lab Sample ID: 580-87064-19 Matrix: Water

Lab Sample ID: 580-87064-18

Date Collected: 06/19/19 14:07 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 17:50 | T1W | TAL SEA |

Dilution

Factor

1

Run

Batch

Number

304607

Prepared

or Analyzed

07/02/19 10:40

304710 07/03/19 17:28

Analyst

PRO

T1W

Lab

TAL SEA

TAL SEA

Client Sample ID: 1C-W-8-061919

Lab Sample ID: 580-87064-20 Matrix: Water

Lab Sample ID: 580-87064-21

Lab Sample ID: 580-87064-22

Lab Sample ID: 580-87064-23

Matrix: Water

Matrix: Water

Matrix: Water

Date Collected: 06/19/19 15:00 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 18:12 | T1W | TAL SEA |

Client Sample ID: 2A-W-9-061919

Date Collected: 06/19/19 16:21 Date Received: 06/20/19 14:05

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | · | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 18:34 | T1W | TAL SEA |

Client Sample ID: 2A-W-10-061919

Date Collected: 06/19/19 16:40 Date Received: 06/20/19 14:05

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 18:56 | T1W | TAL SEA |

Client Sample ID: 2B-W-4-061919 Date Collected: 06/19/19 17:48 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 19:17 | T1W | TAL SEA |

Matrix: Water

Matrix: Water

Lab Sample ID: 580-87064-24

Lab Sample ID: 580-87064-25

Client Sample ID: MW-3-061919 Date Collected: 06/19/19 16:40 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304710 | 07/03/19 19:39 | T1W | TAL SEA |

Client Sample ID: MW-4-061919 Date Collected: 06/19/19 17:47 Date Received: 06/20/19 14:05

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304875 | 07/06/19 14:29 | W1T | TAL SEA |

Client Sample ID: MW-555-061919

Lab Sample ID: 580-87064-26 Matrix: Water

Date Collected: 06/19/19 18:25 Date Received: 06/20/19 14:05

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 304607 | 07/02/19 10:40 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 304875 | 07/06/19 14:51 | W1T | TAL SEA |

Laboratory References:

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

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-87064-1

Laboratory: Eurofins TestAmerica, Seattle

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|--------------------|-----------------------|------------|-----------------------|-----------------|
| Alaska (UST) | State Program | 10 | 17-024 | 01-19-20 |
| ANAB | Dept. of Defense ELAP | | L2236 | 01-19-22 |
| ANAB | DoD | | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | | L2236 | 01-19-22 |
| California | State Program | 9 | 2901 | 11-05-19 |
| Montana (UST) | State Program | 8 | N/A | 04-30-20 |
| Oregon | NELAP | 10 | WA100007 | 11-05-19 |
| Oregon | NELAP | | WA100007 | 11-05-19 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-19 |
| USDA | Federal | | P330-14-00126 | 02-10-20 |
| Washington | State Program | 10 | C553 | 02-17-20 |

Sample Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 580-87064-1 | 2A-W-41-061819 | Water | 06/18/19 11:06 | 06/20/19 14:05 |
| 580-87064-2 | 2A-W-410-061819 | Water | 06/18/19 11:07 | 06/20/19 14:05 |
| 580-87064-3 | 1B-W-23-061819 | Water | 06/18/19 14:35 | 06/20/19 14:05 |
| 580-87064-4 | GW-3-061819 | Water | 06/18/19 16:01 | 06/20/19 14:05 |
| 580-87064-5 | GW-30-061819 | Water | 06/18/19 16:05 | 06/20/19 14:05 |
| 580-87064-6 | 2A-W-42-061819 | Water | 06/18/19 17:45 | 06/20/19 14:05 |
| 580-87064-7 | 5-W-19-061819 | Water | 06/18/19 18:52 | 06/20/19 14:05 |
| 580-87064-8 | 5-W-18-061919 | Water | 06/19/19 08:42 | 06/20/19 14:05 |
| 580-87064-9 | 5-W-16-061919 | Water | 06/19/19 09:40 | 06/20/19 14:05 |
| 80-87064-10 | 5-W-17-061919 | Water | 06/19/19 10:44 | 06/20/19 14:05 |
| 580-87064-11 | 5-W-56-061919 | Water | 06/19/19 12:16 | 06/20/19 14:05 |
| 580-87064-12 | 5-W-55-061919 | Water | 06/19/19 13:11 | 06/20/19 14:05 |
| 580-87064-13 | 5-W-51-061919 | Water | 06/19/19 14:09 | 06/20/19 14:05 |
| 80-87064-14 | 5-W-14-061919 | Water | 06/19/19 15:06 | 06/20/19 14:05 |
| 80-87064-15 | 1B-W-3-161919 | Water | 06/19/19 08:48 | 06/20/19 14:05 |
| 580-87064-16 | 1C-W-7-061919 | Water | 06/19/19 10:07 | 06/20/19 14:05 |
| 580-87064-17 | GW-4-061919 | Water | 06/19/19 11:35 | 06/20/19 14:05 |
| 580-87064-18 | EW-2A-061919 | Water | 06/19/19 13:00 | 06/20/19 14:05 |
| 580-87064-19 | 1C-W-1-061919 | Water | 06/19/19 14:07 | 06/20/19 14:05 |
| 580-87064-20 | 1C-W-8-061919 | Water | 06/19/19 15:00 | 06/20/19 14:05 |
| 580-87064-21 | 2A-W-9-061919 | Water | 06/19/19 16:21 | 06/20/19 14:05 |
| 580-87064-22 | 2A-W-10-061919 | Water | 06/19/19 16:40 | 06/20/19 14:05 |
| 580-87064-23 | 2B-W-4-061919 | Water | 06/19/19 17:48 | 06/20/19 14:05 |
| 580-87064-24 | MW-3-061919 | Water | 06/19/19 16:40 | 06/20/19 14:05 |
| 80-87064-25 | MW-4-061919 | Water | 06/19/19 17:47 | 06/20/19 14:05 |
| 580-87064-26 | MW-555-061919 | Water | 06/19/19 18:25 | 06/20/19 14:05 |

| · · · · | | | | | | | Page 1 or | FZ | | |
|---|--------------------------|---------------------------------------|-----------------------|-----------------|---|------------------|---|-----------------------|--|--|
| | | Li | ABORATORY INFOR | MATION | | LAB W | ORK ORDER: | | | |
| BNSF | Laboratory: | | | Project Mana | ger: | | SHIPMENT INFORMATION | | | |
| RAILWAY | Address: | · · · · · · · · · · · · · · · · · · · | | Phone: | | ipment Method: | | | | |
| CHAIN OF CUSTODY | City/State/Z1P: | | | Fax: | | Trackir | king Number: | | | |
| BNSF PROJECT INFORMATION | Project State of Origin: | | | CONSULTAN | T INFORMATION | Project I | Number: 683-667 | | | |
| SNSF Project Number: 683-067 | Project City: Slapka | omish 10.A | Company: Far | ellon a | msutting | Project | Manager: Pete King Ston | | | |
| BNSF Project Name: BNSF Skykonish Quar | | | | 5th AVE | | Emaii: | Philastrachiallon canvet | tradom | | |
| SNSF Contact: | BNSF Work Order No.: | | City/State/ZIP: 1550c | rush, in | A 98223 | Phone: | Phingston@pundlon consult \$25-295-0500 Fex | - <u></u> | | |
| TURNAROUND TIME | DELIVERAE | 3LES Other De | | | METHODS FOR | | | | | |
| 1-day Rush 5- to 8-day Rush | BNSF Standard (Levi | el II) | | | £2 | | | | | |
| 2-day Rush 🔀 Standard 10-Day | Level III | EDD Rec | ą, Format? | | 641 (KRN) | | | | | |
| 3-day Rush Other | Level IV | | | _ × | 26 | | | | | |
| | | ······ | | | | | Therm. ID: <u>A2</u> Cor: <u>O</u> . | 2 º Une: 11, 5 | | |
| | | Sample Collection | Type | ーをじ | | | Cooler Dsc: $L_{\zeta} = B_{1_{k}} A_{\ell}$ Packing: $n_{1_{k}} N_{1_{k}} A_{\ell}$ | FedEx: | | |
| Sample Identification | Containers Date | ····· | | atrix HdLmN | | | Therm. ID: AZ Cor: O . Cooler Dsc: $\underline{L}_{\mathcal{L}} = \underline{B} \underline{u} \underline{v}$ Packing: $\underline{B} \underline{u} \underline{b} h \underline{v}$ Cust. Seal: Yes $\underline{\forall}$ No | UPS: Lab Cour: | | |
| 2A-W-41-06/819 | 2 6/181 | 119 1106 CB | NGW | | X | | Blue Ice, Wet, Dry, None | Other: | | |
| 2A-W-410-061319 | | 119 1107 63 | NI | IX | | | Therm. ID: <u>A2</u> Cor: <u>1.4</u> | • | | |
| IB-W-23-061819 | | 119 1435 68 | N | X | | | Cooler Dsc: 15 breen | ° Unc:_ <u>1.7</u> | | |
| GW-3-061819 | | 19 1601 68 | ······ | | x | 8 | Cooler Dsc: <u>15 breen</u> Packing: <u>Bubble</u> | FedEx:UPS: | | |
| 6W-30-061319 | | 119 1605 CB | N | x | | 0-87 | $\frac{\text{Cust. Seal: Y es} \times \text{N}_0}{\text{Blue Lee } \text{Wey } \text{P}}$ | Lab Cour: Y | | |
| 2A-W-42-001819 | 2 6/13 | 119174508 | N | X | | 064 | | Other: | | |
| 5-W-19-061819 | | 19 1852 GP | N | X | | | Therm. ID: $\underline{A2}$ Cor: \underline{O}_{a} 7 | • I'mes 1 G | | |
| 5-W-18-061919 | 2 6/19/1 | | N | X | | | \mathcal{O} ODET DSC: L , \mathcal{K} \mathcal{A} | | | |
| 5-W-16-061919 | 2 1 | 0940 GP | N | × × | | Ust and a second | Cust Seal: Vos Y N. | FedEx: | | |
| 5-W-17-061919 | 2 | 1044 GP | N | X | | lá l | Ring los from D | Lab Cour: X | | |
| 5-W-56-061919 | 2 | 1244 GP | N | × × | ••••••• | | | Other: | | |
| 5-W-55-061919 | r | | N | X | | | Therm. ID: <u>JUY</u> Cor: <u>0.9</u> | • Unc: 1.2 | | |
| 5-W-51-061919 | 2 | 1311 GP 1409 GP | N | | | - | Packing: <u>Rabhly</u> | FedEx: | | |
| 5-W-14-061919 | $\frac{1}{\nu}$ | 1506 GP | N | <i>X</i> | | - | Cust Scale Van & Va | CFS: | | |
| 18-w-3-061919 | 2 1 | · · · · · · · · · · · · · · · · · · · | NVV | <u>X</u> X | | | | Lab Cour: X | | |
| HIB S-DE1919 | Date/Time: / / | | | | Daje/Time: | Comments and | Special Analytical Requirements: | | | |
| linguished By: | Date/Time: | Received By: | | | Date/Time: 2/20/14 140 Date/Time: | 'S Constact | Bruject manager to | | | |
| linguished By: | Date/Time: | Received By: | | | Date/Time: | Contirm | Project manager to Silica gel Clean up o Therm. ID: A2 Cor: 2-5 | Samples | | |
| ceived by Laboratory: | Date/Time: | Lab Remarks: | | | Lab: Custody Intact? | Custody Seal No. | Therm. ID: A2 Cor: 2-5 | • Enc. 2.8 < | | |
| RIGINAL - RETURN TO LABORATORY WITH SAMPLES | | DUI | PLICATE - CONSULTA | NT | Yes No | | Cooler Dsc: Le breen | | | |
| | | | | | | | Packing: Nubhlz Fo | edEx: PS: | | |
| · · · · · · · · · · · · · · · · · · · | | | Page 40 c | of 43 | | | Cust. Seal: Yes <u>Y</u> No La | ab Co u/8/2019 | | |
| | | | | | | | Bille Ice, Wet, Dry, None Of | ther: | | |

| | | | | | L | ABORA | TORY IN | IFORMAT | ION | | | *** | | | LAB W | ORK ORE | DER: K | ige 2 | of 2 |
|--|--|-----------------|-------------|---------------------------------------|-----------|-----------------------------|----------------|-----------|----------|-----------------------|------------|-------------|----------------------|-----------|---------------------------------|----------|------------|-------------|----------------|
| BB | | | | | | | Project N | lanager: | | | | | SHIPMENT INFORMATION | | | | | | |
| | RAILWAY | Address: | | | | | | | Phone: | | | | | | Shipment Method: | | | | |
| CI | HAIN OF CUSTODY | City/State/ZIP | | | | Fax: | | | | | | | | | Trackin | g Number | : | | |
| BNS | F PROJECT INFORMATION | Project State o | if Origin: | CONSULTANT INFORMATION Project Number | | | | | | | lumber: | | | | | | | | |
| BNSF Project Number: 683-067 Project City: | | | | | ···· | Company Farallon Consulting | | | | | | | | | Project Manager: Piste King Ann | | | | |
| NSF Project Name: | BNSF staykomish | quart | Ely | | | Address: | | 5 5 | | | | | | | Email: | okihi | iston @ | farallon | nconsulty con |
| 3NSF Contact: | . <u> </u> | BNSF Work O | | | | City/State | | - saqu | | WA | | 802 | 7 | | Phone: | HS | 5 - 29 | 5 TO JAC | n consulty con |
| | TURNAROUND TIME | | ELIVERABLES | C |] Other D | eliverable | | | | | | | OR ANA | LYSIS | | | T | | 1 |
| 1-day Rush S- to 8-day Rush | | | | | | ······ | | 1 | | 1 | Τ | | | | 1 | | | | |
| 2-day Rush | Standard 10-Day | Level III | | |] EDD Re | q, Format | ? | | | | * | | | | | | | | |
| 3-day Rush | Other | Level IV | | | <u></u> | | | <u></u> | × | 774-24 Million Market | | | | | | | | | |
| | | MPLE INFORM | ATION | | | | | | , d | | | | | | | | | | |
| | e na na 1959 a mana ao amin'ny faritr'i Altain ao amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny fa | | Samp | le Collection | | Filtered | Туре | | NWTPH | | **** | | | | | 1 | | | |
| | Sample Identification | Containers | Date | Time | Sampler | τ γ/N | (Comp Grab) | / Matrix | Ne l | | | | | | | | 0 | MENTS | LAB USE |
| 1C-W- | 7-061914 | 2 | 6/19/19 | 1007 | CB | N | 6 | Uber | | | | 1 | 1 | | | | | | LAB USE |
| GW-4- | | 2 | 6/19/19 | 1135 | CB | N | Ġ | Whoter | | | - | | | | 1 | | 1 | | |
| | 4-061919 | 2 | 6/19/19 | 1300 | CB | N | 6 | Whater | X | | | | 1 | 1 | 1 | 1 | 1 | | |
| | -1-061919 | 2 | 6/19/19 | 1407 | | + | 6 | Wooter | | T | | 1 | 1 | 1 | | | | | |
| | - 8 - 06/9/9 | 2 | 6/19/19 | 1500 | L . | N | 6 | liber | X | | | | | 1 | 1 | | | | |
| | -9-061919 | 2 | 6/19/19 | 1621 | | N | 6 | Watt | X | | | - | | | | | | | |
| | 10-061919 | 1 | 6/19/19 | 1640 | 1 | 1 | 6 | ilate | X | | | | | | | | | | |
| | 4 - 061919 | 2 | 6/19/19 | 1248 | E | | 6 | Wedr | K | | | | | | | | | | |
| | - 06/9/9 | | 6/18/19 | 1640 | | | 6 | wat | | | | | | | | | | | |
| mw-4 | | 2 | 6/19/19 | 1747 | | | 6 | Waster | | 1 | | 1 | 1 | | | | † | | |
| | 55-061919 | 2 | 6/19/19 | 1825 | | N | 6 | Weter | X | | | + | f | | İ | | | | |
| 2 | | | | | | | | | | | | | | 1 | | | | | |
| 3 | | | ~ | | | | | | | | | | | | | | | | |
| 4 | and the second | | 02 | | 1 | | | | | | | | | <u> </u> | | | | | |
| 5 | A | *** | A | | <u>+</u> | | | | | | | | | | | | | | |
| elinguished By: | DA | Date/Time: 6/ | 19/19 2043 | Received By: | 1- | <u></u> | <u> </u> | | <u> </u> | L | Date/Time | 14 14 | 05 | Comme | nts and | Special | Analytical | Requirement | 1 |
| elinquished By: | T T | Date/Time: | 11-1-12 | Received By: | | | | | | | Date/Time. | - <u>()</u> | · | | | | | | |
| elinquished By: | | Date/Time: | | Received By: | | | | | | | Date/Time: | | | | | | | | |
| eceived by Laboratory: | | Date/Time: | | Lab Remarks: | | | | | | | Lab: Custo | dy Intact? | | Custody S | eal No. | | | BNSF COC No | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

Page 41 of 43

TAL-1001 (0912)

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| 8 |
| 5 |

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Document any problems or discrepancies and the actions taken to resolve them in an NCM

Ensure any bulk soil jars for VOAs which will require MeOH preservation. Take ASAP to VOA extractions. Ensure any Encores or Stir bar VOAs are placed in the freezer. Note date and time placed in freezer in logbook.

If there are any VOA analysis on the COC:

Initials.

1

Is an NCM required for coolers outside required limits?
 Were the samples sampled on the same day as receipt?

Sample Control to Complete This Section:

TALS Project #: Special Instructions:

Plo 39

Sample Archive Required:

⊔∛

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If YES:

Freeze

Refrigerate

8

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Sites & Events:

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Initials.

PM/PMA to Complete This Section at Cooler Greet:

Company Name & Sampling Site:

Farallon

514

at,

Date/Time Received:

6 holig

5041

SHORT HOLD

Standard

Priority Level:

RUSH

^{TestAmerica Seattle} Sample Receiving Triage Guide

7/

10

Time Zone: • Guam • Hawaii • Alaska • PDT/PST • MDT/MST • CDT/CST • EDT/EST • OTHER

Comments:

If yes to question 1 and no to question 2 above take a confirmation temperature

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State:

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(NOTE IF NOT ON ICE)

Items that must be checked at triage:

Client: Farallon Consulting LLC

Login Number: 87064 List Number: 1

Creator: Vallelunga, Diana L

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

List Source: Eurofins TestAmerica, Seattle

🛟 eurofins

Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-89409-1

Client Project/Site: BNSF Skykomish Ground Water Sampling Event: Skykomish HCC System

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Expert

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Knistine D. allen

Authorized for release by: 10/10/2019 1:10:35 PM Kristine Allen, Manager of Project Management (253)248-4970 kristine.allen@testamericainc.com

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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Job ID: 580-89409-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-89409-1

Comments

No additional comments.

Receipt

The samples were received on 9/20/2019 2:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 10 coolers at receipt time were 0.0° C, 0.3° C, 0.3° C, 0.6° C, 0.6° C, 1.0° C, 1.0° C, 1.1° C, 1.3° C and 1.6° C.

GC Semi VOA

Method(s) NWTPH-Dx: The %D of surrogate (o-Terphenyl) for CCVRT associated with batch 580-313207 was outside the lower control limits. All associated sample surrogate fell within acceptance criteria; therefore, the data have been reported. (CCV 580-313207/14), (CCV 580-313207/25), (CCV 580-313207/31) and (CCVRT 580-313207/3)

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: 5-W-51-091719 (580-89409-9), 5-W-55-091719 (580-89409-12) and 5-W-56-091719 (580-89409-13).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-38R-091719 (580-89409-15), GW-3-091819 (580-89409-32) and GW-30-091819 (580-89409-33).

Method(s) NWTPH-Dx: The following samples and QC were re-analyzed due to failing CCVs in the initial analysis. 1C-W-3-091719 (580-89409-14), MW-38R-091719 (580-89409-15), 1C-W-7-091719 (580-89409-16), 2A-W-40-091719 (580-89409-17), S3-AU-091719 (580-89409-18), GW-3-091819 (580-89409-32), GW-30-091819 (580-89409-33), S3-CU-091819 (580-89409-34), S3-AD-091819 (580-89409-35), S3-CD-091819 (580-89409-36), S3-BD-091819 (580-89409-37), S3-BU-091819 (580-89409-38), S4-AD-091819 (580-89409-39), S4-CD-091819 (580-89409-40), S4-BD-091819 (580-89409-41), S4-BU-091819 (580-89409-42), S4-CU-091819 (580-89409-43), S4-AU-091819 (580-89409-44), (CCV 580-313798/14), (CCV 580-313798/25), (CCV 580-313798/35), (CCVRT 580-313798/3), (LCS 580-312933/2-A), (LCS 580-312933/2-B), (LCSD 580-312933/3-A), (LCSD 580-312933/3-B), (MB 580-312933/1-A), (MB 580-312933/1-B) and (RTC 580-313798/2)

Method(s) NWTPH-Dx: Surrogate recovery for the following samples were outside control limits: 1C-W-7-091719 (580-89409-16), GW-3-091819 (580-89409-32) and GW-30-091819 (580-89409-33). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Dx: The laboratory control sample duplicate (LCSD) for preparation batch 580-312969 and 580-313085 and analytical batch 580-313202 recovered outside control limits for the following analytes: Motor Oil (>C24-C36). These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: 2A-W-40-091719 (580-89409-17), GW-3-091819 (580-89409-32), GW-30-091819 (580-89409-33) and S4-BU-091819 (580-89409-42).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: 2A-W-42-091819 (580-89409-19), MW-4-091819 (580-89409-24), 2A-W-9-091819 (580-89409-25), 2A-W-41-091819 (580-89409-30) and 2A-W-410-091819 (580-89409-31).

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

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Qualifiers

| GC Semi VC | ΟΑ | |
|------------|---|---|
| Qualifier | Qualifier Description | 4 |
| * | LCS or LCSD is outside acceptance limits. | |
| х | Surrogate is outside control limits | 5 |

Glossary

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

Client Sample ID: 5-W-19-091719 Date Collected: 09/17/19 09:25

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 05:57 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 05:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 78 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 05:57 | 1 |

Job ID: 580-89409-1

Matrix: Water 5

10/10/2019

Lab Sample ID: 580-89409-1

Client Sample ID: EW-2A-091719 Date Collected: 09/17/19 09:25

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 10/01/19 08:21 | 10/03/19 06:37 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 06:37 | 1 |
| | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 92 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 06:37 | 1 |

Job ID: 580-89409-1

Lab Sample ID: 580-89409-2

Matrix: Water

Eurofins TestAmerica, Seattle

Client Sample ID: 5-W-18-091719 Date Collected: 09/17/19 09:28

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 06:57 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 06:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 90 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 06:57 | 1 |

Lab Sample ID: 580-89409-3

Job ID: 580-89409-1

Matrix: Water

Client Sample ID: 5-W-17-091719 Date Collected: 09/17/19 10:30

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 07:18 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 07:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 95 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 07:18 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-4

Client Sample ID: GW-4-091719 Date Collected: 09/17/19 10:49

Date Received: 09/20/19 14:15

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 07:38 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 07:38 | 1 |
| | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 93 | | 50 _ 150 | | | | 10/01/19 08:21 | 10/03/19 07:38 | 1 |

Job ID: 580-89409-1

10/10/2019

Lab Sample ID: 580-89409-5 Matrix: Water

Client Sample ID: 5-W-16-091719 Date Collected: 09/17/19 10:50

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 07:58 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 10/01/19 08:21 | 10/03/19 07:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 99 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 07:58 | 1 |

Lab Sample ID: 580-89409-6

Job ID: 580-89409-1

2 3 4 5 6 7

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ed <u>Dil Fac</u> <u>77:58</u> <u>1</u>

Client Sample ID: 5-W-14-091719 Date Collected: 09/17/19 11:38

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 10/01/19 08:21 | 10/03/19 08:18 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 08:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 08:18 | 1 |

Lab Sample ID: 580-89409-7

Matrix: Water

Job ID: 580-89409-1

Eurofins TestAmerica, Seattle

Client Sample ID: 1C-W-1-091719 Date Collected: 09/17/19 11:53

Date Received: 09/20/19 14:15

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 | | 0.061 | 0.061 | mg/L | | 10/01/19 08:21 | 10/03/19 08:38 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 08:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 08:38 | 1 |

Job ID: 580-89409-1

Lab Sample ID: 580-89409-8 Matrix: Water

Matrix: water

Eurofins TestAmerica, Seattle

Client Sample ID: 5-W-51-091719 Date Collected: 09/17/19 12:05

Date Received: 09/20/19 14:15

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.48 | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 08:58 | 1 |
| Motor Oil (>C24-C36) | 0.62 | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 08:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 83 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 08:58 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-9

Eurofins TestAmerica, Seattle

Client Sample ID: 1C-W-8-091719 Date Collected: 09/17/19 12:49

Date Received: 09/20/19 14:15

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 | | 0.061 | 0.061 | mg/L | | 10/01/19 08:21 | 10/03/19 09:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 09:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 09:19 | 1 |

Job ID: 580-89409-1

Lab Sample ID: 580-89409-10 Matrix: Water

matrix. Water

Eurofins TestAmerica, Seattle

Client Sample ID: 1C-W-4-091719 Date Collected: 09/17/19 13:43

Date Received: 09/20/19 14:15

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 | | 0.061 | 0.061 | mg/L | | 10/01/19 08:21 | 10/03/19 09:39 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 09:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 94 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 09:39 | 1 |

Lab Sample ID: 580-89409-11

Matrix: Water

Job ID: 580-89409-1

10/10/2019

Client Sample ID: 5-W-55-091719 Date Collected: 09/17/19 14:23

Date Received: 09/20/19 14:15

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.065 | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 10:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 08:21 | 10/03/19 10:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 86 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 10:19 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-12

Client Sample ID: 5-W-56-091719 Date Collected: 09/17/19 14:27

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.89 | | 0.062 | 0.062 | mg/L | | 10/01/19 08:21 | 10/03/19 10:39 | 1 |
| Motor Oil (>C24-C36) | 0.71 | | 0.092 | 0.092 | mg/L | | 10/01/19 08:21 | 10/03/19 10:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 77 | | 50 - 150 | | | | 10/01/19 08:21 | 10/03/19 10:39 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-13

Client Sample ID: 1C-W-3-091719 Date Collected: 09/17/19 14:39 Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-14 Matrix: Water

.nation water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 18:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 78 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 18:54 | 1 |
| Method: NWTPH-Dx - Northwe | st - Semi-Volatile | Petroleum | Products (GC) | - RA | | | | | |
| | | Qualifian | ы | MDI | Unit | D | Prepared | Analvzed | Dil Fac |
| Analyte | Result | Qualifier | RL | NIDL | Unit | 0 | Flepaleu | Analyzeu | DIFAC |

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Client Sample ID: MW-38R-091719 Date Collected: 09/17/19 15:42

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-15 Matrix: Water

matrix. Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|--------------------|-------------|---------------|-------------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | 0.12 | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 19:16 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 75 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 19:16 | 1 |
| Method: NWTPH-Dx - Northwe | st - Semi-Volatile | e Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | 0.062 | | mg/L | | 10/01/19 15:08 | 10/09/19 19:14 | |

Client Sample ID: 1C-W-7-091719 Date Collected: 09/17/19 15:54 Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-16 Matrix: Water

| | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 19:39 | 1 |
|-------------|--------------------|-------|------|----------|----------------|----------------|---------|
| | | | | | | | |
| y Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 5 X | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 19:39 | 1 |
| | y Qualifier 5 X | | · | <u>-</u> | <u> </u> | | |

5

Client Sample ID: 2A-W-40-091719 Date Collected: 09/17/19 16:18

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-17 Matrix: Water

matrix. Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.090 | 0.090 | mg/L | | 10/01/19 15:08 | 10/03/19 20:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 64 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 20:24 | 1 |

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Client Sample ID: S3-AU-091719 Date Collected: 09/17/19 16:37

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-18 Matrix: Water

| Date Received: 09/20/19 14:15 | | | | | | | | | |
|--------------------------------|---------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Method: NWTPH-Dx - Northwest - | Semi-Volatile | Petroleum | Products (GC) | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 20:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 83 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 20:47 | 1 |
| Method: NWTPH-Dx - Northwest - | Semi-Volatile | Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/01/19 15:08 | 10/09/19 20:35 | 1 |

5

Matrix: Water

Lab Sample ID: 580-89409-19

Client Sample ID: 2A-W-42-091819 Date Collected: 09/18/19 09:11

Date Received: 09/20/19 14:15

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|--|
| #2 Diesel (C10-C24) | 0.099 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/03/19 18:31 | 1 | |
| Motor Oil (>C24-C36) | 0.11 | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 18:31 | 1 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | |
| o-Terphenyl | 64 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 18:31 | 1 | |
| | | | | | | | | | | |

Eurofins TestAmerica, Seattle

Client Sample ID: 1B-W-3-091819 Date Collected: 09/18/19 09:15

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/03/19 18:54 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 18:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 53 | | 50 _ 150 | | | | 10/02/19 05:27 | 10/03/19 18:54 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-20

Eurofins TestAmerica, Seattle

Client Sample ID: MW-16-091819 Date Collected: 09/18/19 09:57

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/03/19 19:16 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 10/02/19 05:27 | 10/03/19 19:16 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 69 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 19:16 | 1 |

Lab Sample ID: 580-89409-21

Job ID: 580-89409-1

Matrix: Water

Client Sample ID: 1B-W-2-091819 Date Collected: 09/18/19 10:22

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/03/19 20:02 | 1 |
| Motor Oil (>C24-C36) | 0.095 | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 20:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 71 | | 50 _ 150 | | | | 10/02/19 05:27 | 10/03/19 20:02 | 1 |

10/10/2019

5

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-22

Matrix: Water

Lab Sample ID: 580-89409-23

Client Sample ID: 1B-W-23-091819 Date Collected: 09/18/19 10:41

Date Received: 09/20/19 14:15

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 | | 0.061 | 0.061 | mg/L | | 10/02/19 05:27 | 10/03/19 20:24 | 1 |
| Motor Oil (>C24-C36) | 0.12 | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 20:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 73 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 20:24 | 1 |

Eurofins TestAmerica, Seattle

Matrix: Water

Lab Sample ID: 580-89409-24

Client Sample ID: MW-4-091819 Date Collected: 09/18/19 11:17

Date Received: 09/20/19 14:15

| Date Received: 09/20/19 14:18 | 5 | | | | | | | | |
|-------------------------------|----------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Method: NWTPH-Dx - North | west - Semi-Volatile | Petroleum | Products (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | 0.11 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/03/19 20:47 | 1 |
| Motor Oil (>C24-C36) | 0.11 | | 0.092 | 0.092 | mg/L | | 10/02/19 05:27 | 10/03/19 20:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 80 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 20:47 | 1 |

Eurofins TestAmerica, Seattle

Limits

50 - 150

Client Sample ID: 2A-W-9-091819 Date Collected: 09/18/19 11:57

Date Received: 09/20/19 14:15

Surrogate

o-Terphenyl

| Method: NWTPH-Dx - Northwest - | Semi-Volatile | Petroleum | Products (GC) | | | | | |
|--------------------------------|---------------|-----------|----------------------|-------|------|---|----------------|----------------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed |
| #2 Diesel (C10-C24) | 0.13 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/03/19 21:10 |
| Motor Oil (>C24-C36) | 0.13 | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 21:10 |

%Recovery Qualifier

65

Job ID: 580-89409-1

Analyzed

10/03/19 21:10

Prepared

10/02/19 05:27

Lab Sample ID: 580-89409-25 Matrix: Water

Dil Fac

Dil Fac

1

1

1

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Client Sample ID: 1A-W-4-091819 Date Collected: 09/18/19 12:20

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/03/19 21:32 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 21:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 77 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 21:32 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-26

Client Sample ID: 2B-W-4-091819 Date Collected: 09/18/19 12:27

Date Received: 09/20/19 14:15

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 | | 0.063 | 0.063 | mg/L | | 10/02/19 05:27 | 10/03/19 21:55 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.093 | 0.093 | mg/L | | 10/02/19 05:27 | 10/03/19 21:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 68 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 21:55 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-27

Matrix: Water

Lab Sample ID: 580-89409-28

Client Sample ID: 2A-W-10-091819 Date Collected: 09/18/19 13:00

Date Received: 09/20/19 14:15

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 | | 0.061 | 0.061 | mg/L | | 10/02/19 05:27 | 10/03/19 22:17 | 1 |
| Motor Oil (>C24-C36) | 0.098 | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 22:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 61 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 22:17 | 1 |

Eurofins TestAmerica, Seattle

Matrix: Water

Lab Sample ID: 580-89409-29

Client Sample ID: 2A-W-100-091819 Date Collected: 09/18/19 13:10

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | | | 10/02/19 05:27 | 10/03/19 22:40 | 1 |
| Motor Oil (>C24-C36) | 0.13 | | 0.091 | | mg/L | | 10/02/19 05:27 | 10/03/19 22:40 | 1 |
| | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 71 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 22:40 | 1 |
| | | | | | | | | | |

Eurofins TestAmerica, Seattle

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-89409-1

Lab Sample ID: 580-89409-30

Client Sample ID: 2A-W-41-091819 Date Collected: 09/18/19 13:24

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--|--------------------------|---|---------------------|-------------------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.26 | | 0.061 | 0.061 | mg/L | | 10/02/19 05:27 | 10/03/19 23:03 | 1 |
| Motor Oil (>C24-C36) | 0.23 | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 23:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 67 | | 50 - 150 | | | | 40/00/40 05:07 | 10/03/19 23:03 | |
| | | Products by | | Silica Ge | l Cleanup | | 10/02/19 05:27 | 10/03/19 23.03 | |
| Method: NWTPH-Dx - Semi- | -Volatile Petroleum | Products by Qualifier | | Silica Ge MDL | I Cleanup Unit | D | Prepared | Analyzed | Dil Fac |
| Method: NWTPH-Dx - Semi- Analyte | -Volatile Petroleum | - | y NWTPH with S | | | | | | Dil Fac |
| Method: NWTPH-Dx - Semi- Analyte #2 Diesel (C10-C24) | -Volatile Petroleum Result | Qualifier | y NWTPH with \$ | MDL | Unit | | Prepared | Analyzed | Dil Fac |
| Method: NWTPH-Dx - Semi- Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) | -Volatile Petroleum Result 0.085 | Qualifier * | / NWTPH with RL 0.061 0.091 | MDL 0.061 | Unit mg/L | | Prepared | Analyzed | 1 |
| Method: NWTPH-Dx - Semi- Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate | -Volatile Petroleum Result 0.085 | Qualifier * | NWTPH with | MDL 0.061 | Unit mg/L | | Prepared | Analyzed | Dil Fac |

Matrix: Water

Lab Sample ID: 580-89409-31

Client Sample ID: 2A-W-410-091819 Date Collected: 09/18/19 13:30

Date Received: 09/20/19 14:15

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

| | | | · · · · | | | | | | |
|----------------------|--|--|--|---|---|---|---|--|---|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | 0.26 | | 0.061 | 0.061 | mg/L | | 10/02/19 05:27 | 10/03/19 23:25 | 1 |
| Motor Oil (>C24-C36) | 0.24 | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/03/19 23:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 71 | | 50 - 150 | | | | 10/02/19 05:27 | 10/03/19 23:25 | 1 |
| | #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate | #2 Diesel (C10-C24) 0.26 Motor Oil (>C24-C36) 0.24 Surrogate %Recovery | #2 Diesel (C10-C24) 0.26 Motor Oil (>C24-C36) 0.24 Surrogate %Recovery Qualifier | #2 Diesel (C10-C24) 0.26 0.061 Motor Oil (>C24-C36) 0.24 0.091 Surrogate %Recovery Qualifier Limits | #2 Diesel (C10-C24) 0.26 0.061 0.061 Motor Oil (>C24-C36) 0.24 0.091 0.091 Surrogate %Recovery Qualifier Limits | #2 Diesel (C10-C24) 0.26 0.061 0.061 mg/L Motor Oil (>C24-C36) 0.24 0.091 0.091 mg/L Surrogate %Recovery Qualifier Limits | #2 Diesel (C10-C24) 0.26 0.061 0.061 mg/L Motor Oil (>C24-C36) 0.24 0.091 0.091 mg/L Surrogate %Recovery Qualifier Limits | #2 Diesel (C10-C24) 0.26 0.061 0.061 mg/L 10/02/19 05:27 Motor Oil (>C24-C36) 0.24 0.091 0.091 mg/L 10/02/19 05:27 Surrogate %Recovery Qualifier Limits Prepared | #2 Diesel (C10-C24) 0.26 0.061 0.061 mg/L 10/02/19 05:27 10/03/19 23:25 Motor Oil (>C24-C36) 0.24 0.091 0.091 mg/L 10/02/19 05:27 10/03/19 23:25 Surrogate %Recovery Qualifier Limits Prepared Analyzed |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Client Sample ID: GW-3-091819 Date Collected: 09/18/19 14:41

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-------------|----------------|------------|-----------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | 0.15 | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 21:10 | 1 |
| Surrogate % | Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 29 | X | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 21:10 | 1 |
| Method: NWTPH-Dx - Northwest - Semi | -Volatile | Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | 0.12 | | 0.062 | 0.062 | mg/L | | 10/01/19 15:08 | 10/09/19 20:55 | 1 |
| Method: NWTPH-Dx - Semi-Volatile Pet | roleum l | Products by | y NWTPH with S | Silica Gel | l Cleanup | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 18:31 | 1 |
| Surrogate % | Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 32 | X | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 18:31 | 1 |

| Analyte | Result Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------------|-------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | 0.062 | 0.062 | mg/L | | 10/01/19 15:08 | 10/09/19 18:34 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-32

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water Job ID: 580-89409-1

Client Sample ID: GW-30-091819 Date Collected: 09/18/19 15:00

Lab Sample ID: 580-89409-33 Matrix: Water

Date Received: 09/20/19 14:15

| | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|---|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------------------|--|
| 0.16 | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 21:32 | 1 |
| %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 43 | X | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 21:32 | 1 |
| | %Recovery | 0.16 <u>%Recovery</u> Qualifier <u>43</u> X | %Recovery Qualifier Limits Prepared | %Recovery Qualifier Limits Prepared Analyzed |

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Client Sample ID: S3-CU-091819 Date Collected: 09/18/19 14:52

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-34 Matrix: Water

| Date Received. 09/20/19 14.15 | | | | | | | | | |
|-------------------------------|-----------------|-------------|-----------------|-------------|------|---|----------------|----------------|---------|
| Method: NWTPH-Dx - Northwest | - Semi-Volatile | e Petroleum | n Products (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Motor Oil (>C24-C36) | ND | | 0.093 | 0.093 | mg/L | | 10/01/19 15:08 | 10/03/19 21:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 77 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 21:55 | 1 |
| Method: NWTPH-Dx - Northwest | - Semi-Volatile | e Petroleum | n Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.063 | 0.063 | mg/L | | 10/01/19 15:08 | 10/09/19 21:35 | 1 |

Client Sample ID: S3-AD-091819 Date Collected: 09/18/19 14:53

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-35 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------------|-----------|---------------|-------------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 10/01/19 15:08 | 10/03/19 22:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 70 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 22:17 | 1 |
| - Method: NWTPH-Dx - Nort | hwest - Semi-Volatile | Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | 0.062 | | mg/L | | 10/01/19 15:08 | 10/09/19 21:56 | |

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

Result Qualifier

ND

%Recovery Qualifier

75

Client Sample ID: S3-CD-091819 Date Collected: 09/18/19 15:02

Date Received: 09/20/19 14:15

Analyte

Surrogate

o-Terphenyl

Motor Oil (>C24-C36)

Lab Sample ID: 580-89409-36 Matrix: Water

| MDL | Unit | D | Prepared | Analyzed | Dil Fac | 5 |
|-------|------|---|----------------|----------------|---------|---|
| 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 22:40 | 1 | |
| | | | Prepared | Analyzed | Dil Fac | |
| | | | 10/01/19 15:08 | 10/03/19 22:40 | 1 | |

| Method: NWTPH-Dx - Northwest - | Semi-Volatile | Petroleum | Products (G | iC) - RA | | | | | |
|--------------------------------|---------------|-----------|-------------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 10/01/19 15:08 | 10/09/19 22:16 | 1 |

RL

0.091

Limits

50 - 150

Client Sample ID: S3-BD-091819 Date Collected: 09/18/19 15:30

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-37 Matrix: Water

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| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|----------------------|-------------|-----------------|--------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 23:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 51 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 23:03 | 1 |
| - Method: NWTPH-Dx - North | west - Semi-Volatile | e Petroleum | n Products (GC) |) - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | ND | | 0.062 | | mg/L | | 10/01/19 15:08 | 10/09/19 22:36 | |

Client Sample ID: S3-BU-091819 Date Collected: 09/18/19 15:30

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-38 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------------------|-------------|---------------|-------------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 10/01/19 15:08 | 10/03/19 23:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 _ 150 | | | | 10/01/19 15:08 | 10/03/19 23:25 | 1 |
| Method: NWTPH-Dx - Nortl | hwest - Semi-Volatile | e Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | | | 10/01/19 15:08 | 10/09/19 22:56 | |

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Job ID: 580-89409-1

Client Sample ID: S4-AD-091819 Date Collected: 09/18/19 16:06

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-39 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|----------------------|-----------|---------------|-------------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/03/19 23:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 77 | | 50 - 150 | | | | 10/01/19 15:08 | 10/03/19 23:48 | 1 |
| - Method: NWTPH-Dx - North | west - Semi-Volatile | Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | | | | | | | |

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Client Sample ID: S4-CD-091819 Date Collected: 09/18/19 16:07

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-40 Matrix: Water

5

| 5 | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Aotor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 10/01/19 15:08 | 10/04/19 00:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| p-Terphenyl | 68 | | 50 - 150 | | | | 10/01/19 15:08 | 10/04/19 00:33 | 1 |

Job ID: 580-89409-1

Client Sample ID: S4-BD-091819 Date Collected: 09/18/19 16:09

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-41 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------------------|-----------|---------------|-------------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/04/19 00:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 80 | | 50 - 150 | | | | 10/01/19 15:08 | 10/04/19 00:55 | 1 |
| ☐ Method: NWTPH-Dx - North | nwest - Semi-Volatile | Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | ND | | 0.062 | | mg/L | | 10/01/19 15:08 | 10/10/19 00:17 | |

Client Sample ID: S4-BU-091819 Date Collected: 09/18/19 16:16

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-42 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | 0.67 | | 0.092 | 0.092 | mg/L | | 10/01/19 15:08 | 10/04/19 01:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 61 | | 50 - 150 | | | | 10/01/19 15:08 | 10/04/19 01:18 | 1 |
| - Method: NWTPH-Dx - Northwest - \$ | Semi-Volatile | Petroleum | Products (GC) | - RA | | | | | |
| | | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |

Client Sample ID: S4-CU-091819 Date Collected: 09/18/19 16:29

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-43 Matrix: Water

| Date Received: 09/20/19 14:15 | | | | | | | | | |
|--------------------------------|---------------|-------------|---------------|--------|------|---|----------------|----------------|---------|
| Method: NWTPH-Dx - Northwest - | Semi-Volatile | Petroleum | Products (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/04/19 01:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 10/01/19 15:08 | 10/04/19 01:40 | 1 |
| Method: NWTPH-Dx - Northwest - | Semi-Volatile | e Petroleum | Products (GC) |) - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/01/19 15:08 | 10/10/19 00:57 | 1 |

Job ID: 580-89409-1

Client Sample ID: S4-AU-091819 Date Collected: 09/18/19 16:30

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89409-44 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------------|-------------|---------------|-------|------|---|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/01/19 15:08 | 10/04/19 02:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 78 | | 50 - 150 | | | | 10/01/19 15:08 | 10/04/19 02:03 | 1 |
| - Method: NWTPH-Dx - Nort | hwest - Semi-Volatile | e Petroleum | Products (GC) | - RA | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | ND | | 0.062 | | mg/L | | 10/01/19 15:08 | 10/10/19 01:17 | |

8 9 1(

5

Client Sample ID: S1-AU-091919 Date Collected: 09/19/19 09:55

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/04/19 00:10 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/04/19 00:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 64 | | 50 - 150 | | | | 10/02/19 05:27 | 10/04/19 00:10 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-45

5

Client Sample ID: S1-AD-091919 Date Collected: 09/19/19 09:57

Date Received: 09/20/19 14:15

| 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 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/04/19 00:33 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/04/19 00:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 79 | | 50 - 150 | | | | 10/02/19 05:27 | 10/04/19 00:33 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-46

Client Sample ID: S1-BD-091919 Date Collected: 09/19/19 10:46

Date Received: 09/20/19 14:15

| Analyte | | Qualifier | Products (GC) RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|---------------------|-------|------|---|----------------|----------------|---------|
| Analyte | Kesuit | Quaimer | | | Unit | | Flepaleu | Analyzeu | Dirrac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/04/19 00:55 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/04/19 00:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 84 | | 50 - 150 | | | | 10/02/19 05:27 | 10/04/19 00:55 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-47

Client Sample ID: S1-BU-091919 Date Collected: 09/19/19 11:02

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 10/02/19 05:27 | 10/04/19 01:18 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/04/19 01:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 78 | | 50 - 150 | | | | 10/02/19 05:27 | 10/04/19 01:18 | 1 |

Lab Sample ID: 580-89409-48

Job ID: 580-89409-1

Matrix: Water

Client Sample ID: 5-W-180-091719 Date Collected: 09/19/19 09:30

Date Received: 09/20/19 14:15

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 | | 0.061 | 0.061 | mg/L | | 10/02/19 05:27 | 10/04/19 01:40 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/04/19 01:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 10/02/19 05:27 | 10/04/19 01:40 | 1 |

Job ID: 580-89409-1

Matrix: Water

Lab Sample ID: 580-89409-49

Client Sample ID: MW-555-091919 Date Collected: 09/19/19 12:00

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.086 | | 0.062 | 0.062 | mg/L | | 10/02/19 05:27 | 10/04/19 02:03 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 05:27 | 10/04/19 02:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 72 | | 50 - 150 | | | | 10/02/19 05:27 | 10/04/19 02:03 | 1 |

Lab Sample ID: 580-89409-50

Job ID: 580-89409-1

Matrix: Water

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Lab Sample ID: MB 580-312841/1-A

Lab Sample ID: LCS 580-312841/2-A

Matrix: Water

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

Analyte

Surrogate

Analyte

Surrogate

Surrogate

o-Terphenyl

Matrix: Water

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

Analysis Batch: 313030

Analysis Batch: 313030

RL

0.065

0.096

Limits 50 - 150

Spike

Added

0.500

0.500

Limits

Limits

MDL Unit

0.065 mg/L

0.096 mg/L

LCS LCS

0.470

0.524

Result Qualifier

Unit

mg/L

mg/L

Prep Type: Total/NA

Prep Batch: 312841

Dil Fac

1

1

Client Sample ID: Method Blank

Analyzed

10/03/19 04:56

10/03/19 04:56

Prepared

10/01/19 08:21

10/01/19 08:21

D

6

| Dil Fac | Analyzed | repared | P |
|---------|-------------|------------|--------|
| 1 | 03/19 04:56 | 1/19 08:21 | 10/0 |
| Sample | ab Control | Sample I | Client |
| otal/NA | rep Type: T | | |
| 312841 | rep Batch: | | |
| | с. | | |
| | ts | %Rec | D |
| | 120 | 94 | |
| | 120 | 105 | |
| | | | |

| o-Terphenyl | 79 | 50 - 150 | | | | | | | | |
|---|-----------|----------|--------|-----------|------|---------|---------|----------------------|--------------------|-------|
| Lab Sample ID: LCSD 580-312841/3 Matrix: Water | 3-A | | | | Clie | ent Sam | ple ID: | Lab Contro Prep T | l Sampl ype: To | |
| Analysis Batch: 313030 | | • " | | | | | | Prep I | Batch: 3 | 12841 |
| | | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | 0.500 | 0.470 | | mg/L | | 94 | 50 - 120 | 0 | 26 |
| Motor Oil (>C24-C36) | | 0.500 | 0.514 | | mg/L | | 103 | 64 - 120 | 2 | 24 |
| | LCSD LCSD | | | | | | | | | |

| o-Terphenyl | 76 | | 50 - 150 | | | | | | |
|----------------------------------|-----------|-----------|----------|---------|------|---|----------------|----------------|----------|
| _ Lab Sample ID: MB 580-31293 | 3/1-A | | | | | | Client Sa | mple ID: Metho | d Blank |
| Matrix: Water | | | | | | | | Prep Type: 1 | Total/NA |
| Analysis Batch: 313207 | | | | | | | | Prep Batch: | 312933 |
| | MB | MB | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.065 | 0.065 | mg/L | | 10/01/19 15:08 | 10/03/19 17:23 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.096 | 0.096 | mg/L | | 10/01/19 15:08 | 10/03/19 17:23 | 1 |
| | MB | МВ | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 81 | | 50 _ 150 | | | | 10/01/19 15:08 | 10/03/19 17:23 | 1 |
| Lab Sample ID: LCS 580-3129 | 33/2-A | | | | | c | lient Sample I | D: Lab Control | Sample |
| Matrix: Water | | | | | | | | Prep Type: 1 | Total/NA |
| Analysis Batch: 313207 | | | | | | | | Prep Batch: | 312933 |
| - | | | Spike | LCS LCS | ; | | | %Rec. | |

| | Spike | LCS | LCS | | | %Rec. | |
|----------------------|-------|--------|-----------|--------|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit D | %Rec | Limits | |
| #2 Diesel (C10-C24) | 0.500 | 0.408 | | mg/L | 82 | 50 - 120 | |
| Motor Oil (>C24-C36) | 0.500 | 0.476 | | mg/L | 95 | 64 - 120 | |

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MB MB Result Qualifier

> MB MB Qualifier

ND

ND

79

%Recovery

LCS LCS %Recovery Qualifier

%Recovery Qualifier

| Lab Sample ID: LCS 580-3129 | 33/2-A | | | | | | | | Clien | t Sample | ID: Lab C | ontrol S | Sample |
|---|-------------------|------|-----------|--------------------|--------|---------|------|------|--------|-------------|----------------------|----------|---------|
| Matrix: Water | | | | | | | | | | | | Гуре: То | |
| Analysis Batch: 313207 | | | | | | | | | | | Prep | Batch: 3 | 312933 |
| | LCS | LCS | | | | | | | | | | | |
| Surrogate | %Recovery | Qual | ifier | Limits | | | | | | | | | |
| o-Terphenyl | 76 | | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: LCSD 580-312 | 0022/2 A | | | | | | | Clie | nt Sou | | Lob Contro | al Comp | |
| Matrix: Water | 2933/3-A | | | | | | | Cile | ni Sai | inple ID. | Lab Contro Prop 1 | Гуре: To | - |
| Analysis Batch: 313207 | | | | | | | | | | | | Batch: 3 | |
| | | | | Spike | LCSD | LCSD | | | | | %Rec. | | RPD |
| Analyte | | | | Added | Result | Qualifi | er | Unit | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.396 | | | mg/L | | 79 | 50 - 120 | 3 | 26 |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.464 | | I | mg/L | | 93 | 64 - 120 | 2 | 24 |
| | LCSD | LCSI | C | | | | | | | | | | |
| Surrogate | %Recovery | | | Limits | | | | | | | | | |
| p-Terphenyl | 78 | | | 50 - 150 | | | | | | | | | |
| | | | | | | | | | | | | | |
| Lab Sample ID: MB 580-31296 | 59/1-A | | | | | | | | | Client S | Sample ID: | | |
| Matrix: Water | | | | | | | | | | | | Гуре: То | |
| Analysis Batch: 313202 | | мв | MB | | | | | | | | Prep | Batch: 3 | 312969 |
| Analyte | Re | | Qualifier | F | 8L | MDL U | Init | ſ | | Prepared | Analyz | zed | Dil Fac |
| #2 Diesel (C10-C24) | | ND | | 0.06 | | 0.065 m | | | | 02/19 05:27 | | | 1 |
| Notor Oil (>C24-C36) | | ND | | 0.09 | | 0.096 m | - | | 10/ | 02/19 05:27 | 7 10/03/19 | 17:00 | 1 |
| | | ΜВ | МВ | | | | | | | | | | |
| Surrogate | %Reco | | Qualifier | Limits | | | | | | Prepared | Analyz | zod | Dil Fac |
| p-Terphenyl | | 64 | quanner | 50 - 150 | | | | | | /02/19 05:2 | | | 1 |
| | | | | | | | | | | | | | |
| Lab Sample ID: LCS 580-3129 | 69/2-A | | | | | | | | Clien | it Sample | D: Lab C | | |
| Matrix: Water | | | | | | | | | | | | Type: To | |
| Analysis Batch: 313202 | | | | Spike | LCS | LCS | | | | | %Rec. | Batch: 3 | 312909 |
| Analyte | | | | Added | | Qualifi | er | Unit | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.420 | | | mg/L | | 84 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.495 | | | mg/L | | 99 | 64 - 120 | | |
| | | | | | | | | | | | | | |
| Surrogata | LCS % Basevery | | ifior | Limito | | | | | | | | | |
| Surrogate p-Terphenyl | %Recovery 84 | Qual | | Limits 50 - 150 | | | | | | | | | |
| - тырненуі | 04 | | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: LCSD 580-312 | 2969/3-A | | | | | | | Clie | nt Sai | mple ID: | Lab Contro | ol Samp | le Dup |
| Matrix: Water | | | | | | | | | | | | Гуре: То | |
| Analysis Batch: 313202 | | | | | | | | | | | | Batch: 3 | |
| | | | | Spike | | LCSD | | | _ | | %Rec. | _ | RPD |
| Analyte | | | | Added | | Qualifi | | Unit | D | %Rec | Limits | RPD | Limit |
| | | | | 0.500 | 0.468 | | I | mg/L | | 94 | 50 - 120 | 11 | 26 |
| 2 Diesel (C10-C24) | | | | 0 500 | 0 540 | | | ma/l | | 100 | 64 400 | 0 | ~ 4 |
| 2 Diesel (C10-C24) | | | | 0.500 | 0.543 | | I | mg/L | | 109 | 64 - 120 | 9 | 24 |
| #2 Diesel (C10-C24) Motor Oil (>C24-C36) | LCSD | LCSI | D | 0.500 | 0.543 | | I | mg/L | | 109 | 64 ₋ 120 | 9 | 24 |

Motor Oil (>C24-C36)

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

| Lab Sample ID: MB 580-312933/1-A | | | | | | | | | | Client Sa | ample ID: Metho | od Blank |
|------------------------------------|--------|-----------|-------|--------|---------|------|------|-------|-------|------------------|-------------------------|----------|
| Matrix: Water | | | | | | | | | | | Prep Type: ⁻ | Total/NA |
| Analysis Batch: 313798 | | | | | | | | | | | Prep Batch | : 312933 |
| | MB | MB | | | | | | | | | | |
| Analyte | Result | Qualifier | F | RL | MDL U | Init | | D | P | repared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) - RA | ND | | 0.06 | 35 | 0.065 m | ng/L | | | 10/0 | 1/19 15:08 | 10/09/19 17:33 | 1 |
| Lab Sample ID: LCS 580-312933/2-A | | | | | | | | С | lient | Sample | ID: Lab Control | Sample |
| Matrix: Water | | | | | | | | | | | Prep Type: ⁻ | Total/NA |
| Analysis Batch: 313798 | | | | | | | | | | | Prep Batch | : 312933 |
| | | | Spike | LCS | LCS | | | | | | %Rec. | |
| Analyte | | | Added | Result | Qualifi | er | Unit | | D | %Rec | Limits | |
| #2 Diesel (C10-C24) - RA | | | 0.500 | 0.487 | | | mg/L | | | 97 | 50 - 120 | |
| Lab Sample ID: LCSD 580-312933/3-A | | | | | | | C | lient | Sam | ple ID: L | ab Control Sam | ple Dup |
| Matrix: Water | | | | | | | | | | • | Prep Type: ⁻ | Total/NA |

| Analysis Batch: 313798 | | | | | | | Prep | Batch: 3 | 12933 | |
|--------------------------|-------|--------|-----------|------|---|------|----------|----------|-------|--|
| | Spike | LCSD | LCSD | | | | %Rec. | | RPD | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| #2 Diesel (C10-C24) - RA | 0.500 | 0.475 | | mg/L | | 95 | 50 - 120 | 3 | 26 | |

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

| Lab Sample ID: MB 580-31293 Matrix: Water | 3/1-B | | | | | | | | | Client Sa | ample ID: Prep T | Method Type: To | |
|--|--------------|-------------|----------|--------|-------|-------|------|-------|-------|------------|---------------------|----------------------------------|---------|
| Analysis Batch: 313207 | | | | | | | | | | | | Batch: 3 | |
| | ME | B MB | | | | | | | | | | | |
| Analyte | Resul | t Qualifier | RL | | MDL | Unit | | D | Р | repared | Analyz | zed | Dil Fac |
| #2 Diesel (C10-C24) | NE |) | 0.065 | (| 0.065 | mg/L | | | 10/0 | 1/19 15:08 | 10/03/19 | 16:15 | 1 |
| Motor Oil (>C24-C36) | NE |) | 0.096 | (| 0.096 | mg/L | | | 10/0 | 1/19 15:08 | 10/03/19 | 16:15 | 1 |
| | ME | B MB | | | | | | | | | | | |
| Surrogate | %Recovery | / Qualifier | Limits | | | | | | Р | repared | Analyz | zed | Dil Fac |
| o-Terphenyl | 8 | 5 | 50 - 150 | | | | | | 10/0 | 1/19 15:08 | 10/03/19 | 16:15 | 1 |
| Lab Sample ID: LCS 580-3129 Matrix: Water Analysis Batch: 313207 | 33/2-В | | | | | | | C | lient | Sample | | ontrol S Type: To Batch: 3 | otal/NA |
| | | | Spike | LCS | LCS | | | | | | %Rec. | | |
| Analyte | | | Added | Result | Qual | ifier | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.422 | | | mg/L | | | 84 | 50 _ 120 | | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.489 | | | mg/L | | | 98 | 64 - 120 | | |
| | LCS LC | s | | | | | | | | | | | |
| Surrogate | %Recovery Qu | alifier | Limits | | | | | | | | | | |
| o-Terphenyl | 81 | | 50 - 150 | | | | | | | | | | |
| _ Lab Sample ID: LCSD 580-312 | 933/3-B | | | | | | С | lient | Sam | nple ID: L | ab Contro | ol Samp | le Dup |
| Matrix: Water | | | | | | | | | | | | ype: To | |
| Analysis Batch: 313207 | | | | | | | | | | | | Batch: 3 | |
| - | | | Spike | LCSD | LCS | D | | | | | %Rec. | | RPD |
| Analyte | | | Added | Result | Qual | ifier | Unit | | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | 0.500 | 0.411 | | | mg/L | | | 82 | 50 - 120 | 3 | 26 |

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64 - 120

97

0.486

mg/L

0.500

1

| Continued) | | troleum | Products b | by NWTP | PH with S | ilica Ge | l Clea | anup | | | |
|--|----------------------------|-----------------|---|--|--------------------------------|--------------------------------------|----------|---|--|---|---|
| Lab Sample ID: LCSD 580-31 | I2933/3-B | | | | | Clie | nt San | nple ID: L | ab Control | | |
| Matrix: Water | | | | | | | | | Prep Ty | | |
| Analysis Batch: 313207 | | | | | | | | | Prep Ba | atch: 3 | 512933 |
| | LCSD L | CSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| o-Terphenyl | 82 | | 50 - 150 | | | | | | | | |
| Lab Sample ID: MB 580-3129 |)69/1-B | | | | | | | Client Sa | ample ID: M | ethod | Blank |
| Matrix: Water | | | | | | | | | Prep Ty | pe: To | tal/NA |
| Analysis Batch: 313202 | | | | | | | | | Prep Ba | atch: 3 | 31 <mark>296</mark> 9 |
| | I | AB MB | | | | | | | | | |
| Analyte | | ult Qualifi | | RL | MDL Unit | | | repared | Analyze | | Dil Fac |
| #2 Diesel (C10-C24) | | ND | | | 0.065 mg/L | | | 2/19 05:27 | 10/03/19 15 | | 1 |
| Motor Oil (>C24-C36) | I | ND | 0.0 | 096 | 0.096 mg/L | | 10/0 | 2/19 05:27 | 10/03/19 15 | 5:53 | 1 |
| | I | NB MB | | | | | | | | | |
| Surrogate | %Recove | ery Qualifi | er Limits | ; | | | P | repared | Analyze | d | Dil Fac |
| o-Terphenyl | | 65 | 50 - 15 | 50 | | | 10/0 | 2/19 05:27 | 10/03/19 15 | 5:53 | 1 |
| Lab Sample ID: LCS 580-312 Matrix: Water | 969/2-B | | | | | | Client | Sample | ID: Lab Cor Prep Ty | | |
| Matrix: Water Analysis Batch: 313202 | 969/2-В | | Spike | | LCS | | Client | · | Prep Ty Prep Ba %Rec. | pe: To | tal/NA |
| Matrix: Water Analysis Batch: 313202 Analyte | 969/2-B | | Added | Result | Qualifier | Unit | | %Rec | Prep Ty Prep Ba %Rec. Limits | pe: To | tal/NA |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) | 969/2-B | | Added | Result 0.458 | Qualifier | mg/L | | %Rec | Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To | tal/NA |
| Matrix: Water Analysis Batch: 313202 Analyte | 969/2-B | | Added | Result | Qualifier | | | %Rec | Prep Ty Prep Ba %Rec. Limits | pe: To | tal/NA |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) | 969/2-B | cs | Added | Result 0.458 | Qualifier | mg/L | | %Rec | Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To | tal/NA |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) | LCS L | CS Qualifier | Added | Result 0.458 | Qualifier | mg/L | | %Rec | Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To | tal/NA |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) | LCS L | | Added 0.500 0.500 | Result 0.458 | Qualifier | mg/L | | %Rec | Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To | tal/NA |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate | LCS L %Recovery C 88 | | Added 0.500 0.500 Limits | Result 0.458 | Qualifier | mg/L mg/L | <u>D</u> | %Rec 92 113 | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 | pe: To atch: 3 | otal/NA 312969 |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terphenyl | LCS L %Recovery C 88 | | Added 0.500 0.500 Limits | Result 0.458 | Qualifier | mg/L mg/L | <u>D</u> | %Rec 92 113 | Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To atch: 3 | le Dup |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terpheny/ Lab Sample ID: LCSD 580-31 | LCS L %Recovery C 88 | | Added 0.500 0.500 Limits | Result 0.458 | Qualifier | mg/L mg/L | <u>D</u> | %Rec 92 113 | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 ab Control | pe: To atch: 3 Sampl pe: To | le Dup |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terphenyl Lab Sample ID: LCSD 580-31 Matrix: Water | LCS L %Recovery C 88 | | Added 0.500 0.500 Limits | Result 0.458 0.564 | Qualifier | mg/L mg/L | <u>D</u> | %Rec 92 113 | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 ab Control Prep Ty | pe: To atch: 3 Sampl pe: To | etal/NA 312969 le Dup otal/NA 312969 |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terphenyl Lab Sample ID: LCSD 580-31 Matrix: Water Analysis Batch: 313202 Analyte | LCS L %Recovery C 88 | | Added 0.500 0.500 <i>Limits</i> 50 - 150 Spike Added | Result 0.458 0.564 LCSD Result | Qualifier LCSD Qualifier | mg/L mg/L Clie | <u>D</u> | %Rec 92 113 nple ID: L %Rec | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 64 - 120 ab Control Prep Ty Prep Ba %Rec. Limits | pe: To atch: 3 Sampl pe: To atch: 3 | le Dup otal/NA bital/NA bital/NA bital/NA bital/NA bital/NA bital/NA bital/NA bital/NA |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terphenyl Lab Sample ID: LCSD 580-31 Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) | LCS L %Recovery C 88 | | Added 0.500 0.500 Limits 50 - 150 Spike Added 0.500 | Result 0.458 0.564 LCSD Result 0.512 | Qualifier LCSD Qualifier | mg/L mg/L Clie Unit mg/L | D_ | %Rec 92 113 nple ID: L %Rec 102 | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 64 - 120 ab Control Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To atch: 3 Sampl pe: To atch: 3 <u>RPD</u> 11 | le Dup stal/NA 12969 le Dup stal/NA 12969 RPD Limit 26 |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terphenyl Lab Sample ID: LCSD 580-31 Matrix: Water Analysis Batch: 313202 | LCS L %Recovery C 88 | | Added 0.500 0.500 <i>Limits</i> 50 - 150 Spike Added | Result 0.458 0.564 LCSD Result | Qualifier LCSD Qualifier | mg/L mg/L Clie | D_ | %Rec 92 113 nple ID: L %Rec | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 64 - 120 ab Control Prep Ty Prep Ba %Rec. Limits | pe: To atch: 3 Sampl pe: To atch: 3 | le Dup stal/NA 312969 le Dup stal/NA 312969 RPD Limit 26 |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terphenyl Lab Sample ID: LCSD 580-31 Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) | LCS L %Recovery C 88 | Qualifier | Added 0.500 0.500 Limits 50 - 150 Spike Added 0.500 | Result 0.458 0.564 LCSD Result 0.512 | Qualifier LCSD Qualifier | mg/L mg/L Clie Unit mg/L | D_ | %Rec 92 113 nple ID: L %Rec 102 | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 64 - 120 ab Control Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To atch: 3 Sampl pe: To atch: 3 <u>RPD</u> 11 | le Dup |
| Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) Motor Oil (>C24-C36) Surrogate o-Terphenyl Lab Sample ID: LCSD 580-31 Matrix: Water Analysis Batch: 313202 Analyte #2 Diesel (C10-C24) | LCS L %Recovery C 88 | CSD | Added 0.500 0.500 Limits 50 - 150 Spike Added 0.500 | Result 0.458 0.564 LCSD Result 0.512 | Qualifier LCSD Qualifier | mg/L mg/L Clie Unit mg/L | D_ | %Rec 92 113 nple ID: L %Rec 102 | Prep Ty Prep Ba %Rec. Limits 50 - 120 64 - 120 64 - 120 ab Control Prep Ty Prep Ba %Rec. Limits 50 - 120 | pe: To atch: 3 Sampl pe: To atch: 3 <u>RPD</u> 11 | le Dup stal/NA 312969 le Dup stal/NA 312969 RPD Limit 26 |

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

| Lab Sample ID: MB 580-312933/1-B Matrix: Water Analysis Batch: 313798 | MB N | МВ | | | | Client Sa | mple ID: Metho Prep Type: 1 Prep Batch: | Total/NA |
|---|------------|-----------|-------------|--------------|--------------|-------------------------|---|----------|
| Analyte F #2 Diesel (C10-C24) - RA | Result OND | Qualifier | RL 0.065 | MDL 0.065 | <u>D</u> | Prepared 10/01/19 15:08 | Analyzed 10/09/19 16:33 | Dil Fac |

6

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - RA (Continued) Lab Sample ID: LCS 580-312933/2-B **Client Sample ID: Lab Control Sample** Matrix: Water Analysis Batch: 313798 LCS LCS Spike %Rec. Limits Analyte Added Result Qualifier Unit D %Rec #2 Diesel (C10-C24) - RA 0.500 0.494 mg/L 99 50 - 120 Lab Sample ID: LCSD 580-312933/3-B Client Sample ID: Lab Control Sample Dup

| Matrix: Water | | | | | | | Prep 1 | · Type: Tot | tal/NA | |
|--------------------------|-------|--------|-----------|------|---|------|----------|----------------|--------|--|
| Analysis Batch: 313798 | | | | | | | Prep | Batch: 3 | 12933 | |
| | Spike | LCSD | LCSD | | | | %Rec. | | RPD | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| #2 Diesel (C10-C24) - RA | 0.500 | 0.462 | | mg/L | | 92 | 50 - 120 | 7 | 26 | |

Prep Type: Total/NA Prep Batch: 312933

Batch

Туре

Prep

Client Sample ID: EW-2A-091719

Analysis

Batch

Method

3510C

NWTPH-Dx

Client Sample ID: 5-W-19-091719

Date Collected: 09/17/19 09:25

Date Received: 09/20/19 14:15

Prep Type

Total/NA

Total/NA

Matrix: Water

Lab Sample ID: 580-89409-2 Matrix: Water

Lab Sample ID: 580-89409-1

Date Collected: 09/17/19 09:25 Date Received: 09/20/19 14:15

| _ | | | | | | | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Batch | Batch | | Dilution | Batch | Prepared | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 06:37 | T1W | TAL SEA |

Dilution

Factor

1

Run

Batch

Number

312841

313030

Prepared

or Analyzed

10/01/19 08:21

10/03/19 05:57

Analyst

T1W

Lab

TAL SEA

TAL SEA

Client Sample ID: 5-W-18-091719

Lab Sample ID: 580-89409-3 Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-89409-4

Lab Sample ID: 580-89409-5

Lab Sample ID: 580-89409-6

Date Collected: 09/17/19 09:28 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | · | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 06:57 | T1W | TAL SEA |

Client Sample ID: 5-W-17-091719

Date Collected: 09/17/19 10:30

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 07:18 | T1W | TAL SEA |

Client Sample ID: GW-4-091719

Date Collected: 09/17/19 10:49 Date Received: 09/20/19 14:15

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 07:38 | T1W | TAL SEA |

Client Sample ID: 5-W-16-091719 Date Collected: 09/17/19 10:50 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 07:58 | T1W | TAL SEA |

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-89409-7

Lab Sample ID: 580-89409-8

Client Sample ID: 5-W-14-091719 Date Collected: 09/17/19 11:38 Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 08:18 | T1W | TAL SEA |

Client Sample ID: 1C-W-1-091719 Date Collected: 09/17/19 11:53 Date Received: 09/20/19 14:15

| ſ | - | Batch | Batch | | Dilution | Batch | Prepared | | |
|---|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| | Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| | Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 08:38 | T1W | TAL SEA |

Client Sample ID: 5-W-51-091719

Lab Sample ID: 580-89409-9 Matrix: Water

Lab Sample ID: 580-89409-10

Lab Sample ID: 580-89409-11

Lab Sample ID: 580-89409-12

Date Collected: 09/17/19 12:05 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 08:58 | T1W | TAL SEA |

Client Sample ID: 1C-W-8-091719

Date Collected: 09/17/19 12:49

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | · | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 09:19 | T1W | TAL SEA |

Client Sample ID: 1C-W-4-091719

Date Collected: 09/17/19 13:43 Date Received: 09/20/19 14:15

| Г | | | | | | | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Batch | Batch | | Dilution | Batch | Prepared | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 09:39 | T1W | TAL SEA |

Client Sample ID: 5-W-55-091719 Date Collected: 09/17/19 14:23 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 10:19 | T1W | TAL SEA |

| | E | Batch | Batch | | Dilution | Batch | Prepared | | |
|---------|-------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Ty | уре Т | уре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/N | A F | Prep | 3510C | | | 312841 | 10/01/19 08:21 | | TAL SEA |
| Total/N | A A | Analysis | NWTPH-Dx | | 1 | 313030 | 10/03/19 10:39 | T1W | TAL SEA |

Client Sample ID: 1C-W-3-091719 Date Collected: 09/17/19 14:39 Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 18:54 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 18:54 | T1W | TAL SEA |

Client Sample ID: MW-38R-091719 Date Collected: 09/17/19 15:42

Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 19:16 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 19:14 | T1W | TAL SEA |

Client Sample ID: 1C-W-7-091719

Date Collected: 09/17/19 15:54 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 19:39 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 19:34 | T1W | TAL SEA |

Client Sample ID: 2A-W-40-091719 Date Collected: 09/17/19 16:18

| Date | Received: | 09/20/19 | 14:15 |
|------|------------------|----------|-------|
| Duit | Received. | 00/20/10 | 17.10 |

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 20:24 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 20:15 | T1W | TAL SEA |

Lab Sample ID: 580-89409-13 Matrix: Water

Lab Sample ID: 580-89409-14

Matrix: Water

Lab Sample ID: 580-89409-15

Lab Sample ID: 580-89409-16

Lab Sample ID: 580-89409-17

Matrix: Water

Matrix: Water

Matrix: Water

Dilution

Factor

1

1

Dilution

Factor

1

Run

RA

RA

Run

Batch

Number

312933

313207

312933

313798

Batch

Number

312969

313202

Prepared

or Analyzed

10/01/19 15:08

10/03/19 20:47

10/01/19 15:08

10/09/19 20:35

Prepared

or Analyzed

10/02/19 05:27

10/03/19 18:31

Analyst

PRO

W1T

PRO

T1W

Analyst

W1T

Lab

TAL SEA

TAL SEA

TAL SEA

TAL SEA

Lab

Batch

Туре

Prep

Prep

Client Sample ID: 2A-W-42-091819

Analysis

Analysis

Batch

Туре

Prep

Analysis

Batch

Method

3510C

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

NWTPH-Dx

Client Sample ID: S3-AU-091719

Date Collected: 09/17/19 16:37

Date Received: 09/20/19 14:15

Date Collected: 09/18/19 09:11

Date Received: 09/20/19 14:15

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Matrix: Water

9-19 /ater

Lab Sample ID: 580-89409-19 Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

| | Matrix: V | 1 |
|------|-----------|---|
| | | |

Lab Sample ID: 580-89409-18

| TAL SEA | |
|-------------|--|
| TAL SEA | |

Lab Sample ID: 580-89409-20

Lab Sample ID: 580-89409-21

Lab Sample ID: 580-89409-22

Lab Sample ID: 580-89409-23

Client Sample ID: 1B-W-3-091819 Date Collected: 09/18/19 09:15

Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 18:54 | W1T | TAL SEA |

Client Sample ID: MW-16-091819

Date Collected: 09/18/19 09:57 Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 19:16 | W1T | TAL SEA |

Client Sample ID: 1B-W-2-091819

Date Collected: 09/18/19 10:22

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 20:02 | W1T | TAL SEA |

Client Sample ID: 1B-W-23-091819

Date Collected: 09/18/19 10:41 Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 20:24 | W1T | TAL SEA |

Dilution

Factor

1

Run

Batch

Number

312969

313202

Prepared

or Analyzed

10/02/19 05:27

10/03/19 20:47

Analyst

W1T

Lab

TAL SEA

TAL SEA

Batch

Туре

Prep

Client Sample ID: 2A-W-9-091819

Analysis

Batch

Туре

Prep

Client Sample ID: 1A-W-4-091819

Analysis

Batch

Туре

Prep

Analysis

Batch

Method

3510C

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

NWTPH-Dx

Client Sample ID: MW-4-091819

Date Collected: 09/18/19 11:17

Date Received: 09/20/19 14:15

Date Collected: 09/18/19 11:57

Date Received: 09/20/19 14:15

Date Collected: 09/18/19 12:20

Date Received: 09/20/19 14:15

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-89409-24

Lab Sample ID: 580-89409-25

Lab Sample ID: 580-89409-27

Lab Sample ID: 580-89409-28

Lab Sample ID: 580-89409-29

Dilution Batch Prepared Number Lab Run Factor or Analyzed Analyst TAL SEA 312969 10/02/19 05:27 313202 10/03/19 21:10 W1T TAL SEA 1 Lab Sample ID: 580-89409-26 Matrix: Water Dilution Batch Prepared Number or Analyzed Run Factor Lab Analyst 312969 TAL SEA 10/02/19 05:27 313202 10/03/19 21:32 W1T TAL SEA 1

Client Sample ID: 2B-W-4-091819

Date Collected: 09/18/19 12:27 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 21:55 | W1T | TAL SEA |

Client Sample ID: 2A-W-10-091819

Date Collected: 09/18/19 13:00 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 22:17 | W1T | TAL SEA |

Client Sample ID: 2A-W-100-091819 Date Collected: 09/18/19 13:10 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 22:40 | W1T | TAL SEA |

Client Sample ID: 2A-W-41-091819 Date Collected: 09/18/19 13:24 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Cleanup | 3630C | | | 313085 | 10/02/19 14:50 | FCG | TAL SEA |
| Fotal/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 18:08 | W1T | TAL SEA |
| Fotal/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Fotal/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 23:03 | W1T | TAL SEA |

Client Sample ID: 2A-W-410-091819 Date Collected: 09/18/19 13:30 Date Received: 09/20/19 14:15

| ſ | _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|---|-----------|----------|----------|------|----------|--------|----------------|---------|---------|
| | Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| | | | | Kull | | | | Analyst | |
| | Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| | Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/03/19 23:25 | W1T | TAL SEA |

Client Sample ID: GW-3-091819 Date Collected: 09/18/19 14:41 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Cleanup | 3630C | | | 313124 | 10/02/19 22:36 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 18:31 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 21:10 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Cleanup | 3630C | RA | | 313124 | 10/02/19 22:36 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 18:34 | T1W | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 20:55 | T1W | TAL SEA |

Client Sample ID: GW-30-091819 Date Collected: 09/18/19 15:00

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 21:32 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 21:15 | T1W | TAL SEA |

Job ID: 580-89409-1

Lab Sample ID: 580-89409-32

Lab Sample ID: 580-89409-33

Matrix: Water

Matrix: Water

Matrix: Water

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 21:55 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 21:35 | T1W | TAL SEA |

Client Sample ID: S3-AD-091819 Date Collected: 09/18/19 14:53 Date Received: 09/20/19 14:15

| Ргер Туре | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|--------------------|-----------------|-------------------------|---------|---------|
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 22:17 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 21:56 | T1W | TAL SEA |

Client Sample ID: S3-CD-091819 Date Collected: 09/18/19 15:02

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 22:40 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 22:16 | T1W | TAL SEA |

Client Sample ID: S3-BD-091819 Date Collected: 09/18/19 15:30 Date Received: 09/20/19 14:15

| - | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 23:03 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 22:36 | T1W | TAL SEA |

Client Sample ID: S3-BU-091819

```
Date Collected: 09/18/19 15:30
Date Received: 09/20/19 14:15
```

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 23:25 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 22:56 | T1W | TAL SEA |

Job ID: 580-89409-1

Lab Sample ID: 580-89409-34 Matrix: Water

| | Commis ID: 500.00400.05 |
|---|-------------------------|
| V | TAL SEA |
|) | TAL SEA |
| Г | TAL SEA |

Lab Sample ID: 580-89409-35 Matrix: Water

ater

5

7

Lab Sample ID: 580-89409-36

Matrix: Water

Lab Sample ID: 580-89409-37

Matrix: Water

Lab Sample ID: 580-89409-38

Matrix: Water

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/03/19 23:48 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 23:16 | T1W | TAL SEA |

Client Sample ID: S4-CD-091819 Date Collected: 09/18/19 16:07 Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/04/19 00:33 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/09/19 23:56 | T1W | TAL SEA |

Client Sample ID: S4-BD-091819 Date Collected: 09/18/19 16:09

Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/04/19 00:55 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/10/19 00:17 | T1W | TAL SEA |

Client Sample ID: S4-BU-091819 Date Collected: 09/18/19 16:16 Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/04/19 01:18 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/10/19 00:37 | T1W | TAL SEA |

Client Sample ID: S4-CU-091819

| Date Collected: 09/18/19 16:29 | Э |
|--------------------------------|---|
| Date Received: 09/20/19 14:15 | 5 |

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313207 | 10/04/19 01:40 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | RA | | 312933 | 10/01/19 15:08 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | RA | 1 | 313798 | 10/10/19 00:57 | T1W | TAL SEA |

Lab Sample ID: 580-89409-39

Matrix: Water

Matrix: Water

Lab Sample ID: 580-89409-41

Lab Sample ID: 580-89409-40

Matrix: Water

Lab Sample ID: 580-89409-42

Matrix: Water

Lab Sample ID: 580-89409-43

Matrix: Water

Dilution

Factor

1

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Run

RA

RA

Batch

Number

312933

313207

312933

313798

Prepared

or Analyzed

10/01/19 15:08

10/04/19 02:03

10/01/19 15:08

10/10/19 01:17 T1W

Batch

Туре

Prep

Prep

Client Sample ID: S1-AU-091919

Date Collected: 09/19/19 09:55

Date Received: 09/20/19 14:15

Analysis

Analysis

Batch

Method

3510C

3510C

NWTPH-Dx

NWTPH-Dx

Client Sample ID: S4-AU-091819

Date Collected: 09/18/19 16:30

Date Received: 09/20/19 14:15

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Г

Matrix: Water

Lab Sample ID: 580-89409-44

Lab Sample ID: 580-89409-46

Lab Sample ID: 580-89409-47

Lab Sample ID: 580-89409-48

Lab Sample ID: 580-89409-49

Lab Sample ID: 580-89409-45 Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

| Datah | Dramarad | |
|-------|----------|--|
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| | | |

Analyst

PRO

W1T

PRO

Lab

TAL SEA

TAL SEA

TAL SEA

TAL SEA

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/04/19 00:10 | W1T | TAL SEA |

Client Sample ID: S1-AD-091919 Date Collected: 09/19/19 09:57

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/04/19 00:33 | W1T | TAL SEA |

Client Sample ID: S1-BD-091919

Date Collected: 09/19/19 10:46

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/04/19 00:55 | W1T | TAL SEA |

Client Sample ID: S1-BU-091919

Date Collected: 09/19/19 11:02

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/04/19 01:18 | W1T | TAL SEA |

Client Sample ID: 5-W-180-091719

Date Collected: 09/19/19 09:30

Date Received: 09/20/19 14:15

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/04/19 01:40 | W1T | TAL SEA |

Client Sample ID: MW-555-091919 Date Collected: 09/19/19 12:00 Date Received: 09/20/19 14:15

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|--------------------|-----------------|-------------------------|---------|---------|
| Total/NA | Prep | 3510C | | | 312969 | 10/02/19 05:27 | | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313202 | 10/04/19 02:03 | W1T | TAL SEA |

Laboratory References:

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

Lab Sample ID: 580-89409-50 Matrix: Water

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-89409-1

Laboratory: Eurofins TestAmerica, Seattle

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

| Authority | Program | Identification Number | Expiration Date |
|--------------------|-----------------------|-----------------------|-----------------|
| Alaska (UST) | State | 17-024 | 01-19-22 |
| ANAB | Dept. of Defense ELAP | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | L2236 | 01-19-22 |
| California | State | 2901 | 11-05-19 |
| Montana (UST) | State | NA | 04-13-21 |
| Oregon | NELAP | WA100007 | 11-05-19 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-17-00039 | 02-10-20 |
| Washington | State | C553 | 02-17-20 |

Sample Summary

Collected

09/17/19 09:25

09/17/19 09:25

09/17/19 09:28

09/17/19 10:30

09/17/19 10:49

09/17/19 10:50

09/17/19 11:38

09/17/19 11:53

09/17/19 12:05

09/17/19 12:49

09/17/19 13:43

09/17/19 14:23

09/17/19 14:27

09/17/19 14:39

09/17/19 15:42

09/17/19 15:54

09/17/19 16:18

09/17/19 16:37

09/18/19 09:11

09/18/19 09:15

09/18/19 09:57

09/18/19 10:22

09/18/19 10:41

09/18/19 11:17

09/18/19 11:57

09/18/19 12:20

09/18/19 12:27

09/18/19 13:00

09/18/19 13:10

09/18/19 13:24

09/18/19 13:30

09/18/19 14:41

09/18/19 15:00

09/18/19 14:52

09/18/19 14:53

09/18/19 15:02

09/18/19 15:30

09/18/19 15:30

09/18/19 16:06

09/18/19 16:07

09/18/19 16:09

09/18/19 16:16

09/18/19 16:29

09/18/19 16:30

09/19/19 09:55

09/19/19 09:57

09/19/19 10:46

09/19/19 11:02

09/19/19 09:30

09/19/19 12:00

Received

09/20/19 14:15

09/20/19 14:15

09/20/19 14:15

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09/20/19 14:15

Asset ID

Matrix

Water

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Lab Sample ID 580-89409-1

580-89409-2

580-89409-3

580-89409-4

580-89409-5

580-89409-6

580-89409-7

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580-89409-9

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Client Sample ID

5-W-19-091719

EW-2A-091719

5-W-18-091719

5-W-17-091719

5-W-16-091719

5-W-14-091719

1C-W-1-091719

5-W-51-091719

1C-W-8-091719

1C-W-4-091719

5-W-55-091719

5-W-56-091719

1C-W-3-091719

MW-38R-091719

1C-W-7-091719

2A-W-40-091719

2A-W-42-091819

1B-W-3-091819

MW-16-091819

1B-W-2-091819

1B-W-23-091819

MW-4-091819

2A-W-9-091819

1A-W-4-091819

2B-W-4-091819

2A-W-10-091819

2A-W-100-091819

2A-W-41-091819

2A-W-410-091819

GW-3-091819

GW-30-091819

S3-CU-091819

S3-AD-091819

S3-CD-091819

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Page 1 of 4

| | | | | | | | | | | | | | | LAB WORK ORDER: | | | | |
|---|---------------------|-------------------|---|-------------|------------|-----------------|---------------|--------------|--------------------------------------|-------------|----------------------|---------------|---------|------------------|--------|-------------|--|--|
| BRISF | Laboratory: | | | | | | | Project Mana | ger: | | SHIPMENT INFORMATION | | | | | | | |
| RAILWAY | Address: | | | | | | | Phone: | | | ş | hipment Mel | thod: | | | | | |
| CHAIN OF CUSTODY | City/State/ZIP: | | | | | | | Fax: | | | T | racking Num | iber: | | | | | |
| BNSF PROJECT INFORMATION | Project State of | f Origin: | | | Γ | | с | ONSULTAN | T INFORMATION | 4 | P | roject Number | 6 | 83-067 | | | | |
| BNSF Project Number: 683-067 | Project City: | Skykom | sh | | Company | FA | palle | SW . | | | P | roject Manage | | te kingst | bn | | | |
| BNSF Project Name: BNSF SKykomsh - Ser | | | | | Address: | | | | e ne | ,, | E | mail: PE | ingsto | m Ofarallo | n con | sulling com | | |
| BNSF Contact: | BNSF Work On | der No.: | | | City/State | | | | NA 980 | 227 | P | hone 425 | 5-21 | 95-0800 | ax: | | | |
| TURNAROUND TIME | a | ELIVERABLES | |] Other De | liverables | | 1 | T | | DS FOR ANAL | | | T | | Í | | | |
| 1-day Rush 5- to 8-day Rush | BNSF SI | andard (Level II) | | | | | | | | | | | | | | | | |
| 2-day Rush 🔀 Standard 10-Day | Level III | | C |] EDD Red | a. Format | ? | | × | | | | | | | | | | |
| 3-day Rush Other | Level IV | | | | | | | A | | | | | | | | | | |
| | LE INFORM | ATION | | | | | | | | | | | | | | | | |
| | | Samp | ole Collection | | Filtered | Type | | HALLMN | | | | | | | | | | |
| Sample Identification | Containers | Date | Time | Sampler | Y/N | (Comp/ Grab) | Matrix | 3 | | | | | | COMMENTS | | LAB USE | | |
| 5-W-19-091719 | 2 | 9/17/19 | 0925 | MG | N | 6 | W | X | | | | ···· | | COMMENT | | | | |
| 2 EW-2A-091719 | 1 | } | | GP | 1 | 1 | 1 | X | | | | | | | | | | |
| 5-W-18-091719 | | | · • • · · · · · · · · · · · · · · · · · | EB | | | | X | | | | | | - <u> </u> | 1 | | | |
| · 5-W-17-091719 | | | | MG | | | | X | | | | | **** | | | | | |
| 6 GW-4-091719 | | | 1049 | GP | | | | X | | | | | | | | | | |
| 5-W-16-091719 | | | 1050 | LB | | - Carrier | | K | | | | | | | | | | |
| · 5-W-14-091719 | | | 1138 | MG | | | | X | | | | | | | | | | |
| · 10-W-1-091719 | | | 1153 | GP | | - | | X | | | | | | | | | | |
| · 5-W-61-091719 | | | 1205 | CB | | | | X | | | | | | | Ī | <u> </u> | | |
| 10 IC-W-8-091719 | | | 1249 | GP | | | | X | | | | | | | | | | |
| 11 1C-W-4-091719 | | | 1343 | GP | | | | X | | | | | | | | | | |
| 12 5-W-55-091719 | | | 1423 | MG | | | | X | | | | | | | | | | |
| 13 5-W-56-091719 | | | 1427 | CB | | | | χ | | - | 530-894 | 09 Chain | | siday | | | | |
| 1C-W-3-09,719 | | ļ | 1439 | GP | | | Sector States | X | | | | | | | | | | |
| 15 MW - 38 R - 991719 Relinquished By: | \vee | V | 1542 | | | \vee | \vee | X | | | | | | | | | | |
| Relinquished By: | Date/Time: 9 | 20190730 | Received By: | Jall | | SEY | t MA | | Date/Time: 9-26 + 1 Date/Time: | 9 1415 | Comments | s and Spec | ial Ana | alytical Require | ments: | | | |
| Relinquished By: | Date/Time: | | Received By: | | | | | | Date/Time: | | | | | | | | | |
| Received by Laboratory: | Date/Time: | | Lab Remarks: | | | | | | Lab: Custody la | | Custody Seal | No. | | BNSF C | COC No | | | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

| | | | | | | | | | | | | | | | | | Page | 2 of 4 |
|--|----------------|---------------------|---|----------------|----------|--------------|-----------------|--------|-----------|-------------|-------------|-----------------|--------|------------|------------|--------------------|------------------------|--------------|
| | | | | | L | ABORA | TORY IN | FORMAT | | · | | | | | LAB WO | RK ORD | | |
| BRIS | Labor | ratory: | | | | | | | Project N | lånager: | | | | | | | SHIPMENT INFORMA | TION |
| RAILWA | Addre Addre | 255: | | | | | | | Phone: | | | | | | Shipment | Method | | |
| CHAIN OF CUSTODY | C#y/S | State/ZIP: | | | | | | | Fax: | | | | | | Tracking | Number: | | |
| BNSF PROJECT INFORMATION | | ct State of | | | | | | С | ONSULT | ANT INF | ORMAT | ON | | | Project Nu | ^{nber:} 6 | 685-067 | |
| NSF Project Number: 683-667 | Projec | cl City. | Skykon | ush | | Compan | Far | allo | n | | | | | | Project Ma | - | Peter Knyste | *~ |
| ISF Project Number: 683-667 ISF Project Name: BNSF Skykon | ish Semi | Anr | mart | | | Address | 975 | 5 54 | "h Al | IE , | Va | | | | Email: | king) | ang forallon. | Consetty com |
| SF Contact: | BNSF | Work Ord | ier No.: | | | City/Stat | 973 e/ZIP: / | ssage | ah | | | | | | Phone: | 415. | ingtaigton | |
| TURNAROUND TIME | | DI | ELIVERABLES | | Other D | | | 0 | 1 | Ð | | HODS FC | R ANAL | YSIS | | | | |
|] 1-day Rush 5- to 8-day Rush | R | BNSF Sta | andard (Level II) | | | | | | | Get (BAN | | | | | | | | |
| 2-day Rush 🛛 🕅 Standard 10-Day | | Levei III | | |] EDD Re | q, Forma | ? | | Ă | 2) (2) | | | | | | | | |
|] 3-day Rush | | Level IV | | | | | | | 1 | U V V | | | | | | | | |
| | SAMPLE IN | FORMA | TION | | | | | | Hold | Sile. | | | | | | | | |
| | | | San | ple Collection | | Filtered | Туре | | | 5665164 | | | | | | | | |
| Sample Identification | Con | ntainers | Date | Time | Samplei | 1 Y/N | (Comp/ Grab) | Matrix | X | N. | | | | | | | COMMENTS | LAB USE |
| 1C-W-7-091719 | | 2 | 9/17/19 | 1554 | GP | N | 6 | W | X | | | | | | | | | |
| 24-W-40-091719 | | 2 | 9/17/19 | 1618 | CB | N | 6 | Ŵ | K | | | | | | | | | |
| 53-AU-091719 | é | | 9/17/19 | 1637 | MG | N | 6 | W | K | | | | | | | | | |
| 24-04-42-091819 | | | 9/18/19 | 2911 | GP | | | | X | | L | | | | | | | |
| 1B-W-3-091819 | | | | 0915 | MG | | | | X | | | | | | | | | |
| MW-16-09184 | | | | 0957 | CB | | | | X | | | | | | | | | |
| 1B-W-2-091819 | | | | 1022 | | | | | X | | | | | | | | | |
| 1B-W-23-091819 | | | | 1041 | 6P | | | | X | | | | | | | | | |
| mw-4-091819 | | | | 117 | CB | | | | X | | | | | | | | | |
| 2A-W-9-091819 | | | **** | 1157 | MG | | | | X | | | | | | | | | |
| 1A-W-4-091819 | | | and the second se | 1220 | GP | | | | X | | | | | | | | | |
| 28-W-4-091819 | | | | 1227 | СB | | Habbarry | | X | | | | | | | | | |
| 24-W-10-091819 | | | | 1300 | m6 | | | | X | | | | | | | | | |
| 2A-W-100-091819 | | | | 1310 | MG | | | | X | | | | | | | | | |
| 2A-W-41-091819 | | Y | V | 1324 | 69 | \mathbb{V} | \mathbb{V} | V | X | Х | | | | | | | | |
| inquished By: | Date/T | ^{ime:} 9/2 | 0/90730 | Regived By: | fell | | EA | 7i4 | | | Date/Time: | 9 14 | 15 | Comme | nts and S | pecial / | Analytical Requirement | .s: |
| linquished By | Date/T | | | Received By: | | | | | | | Date/Time: | | | | | | | |
| linguished By: | Date/1 | ime: | | Received By: | | | | | | | Date/Time: | | | | | | | |
| sceived by Laboratory: | Date/Y | 'ime: | | Lab Remarks: | | | | | | | Lab: Custor | dy Intact? s | | Custody Se | al No. | | BNSF COC N | , |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

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| | | | | | | | | | | | | | | | Page | 2 3 of 4 |
|---|------------------------|---|----------------|------------|------------------------|-----------|-----------|----------------|------------------|------------|-------------------------|---------|------------|------------|---------------------------------------|--------------------------|
| BNSF | Laboratory: | | | LÆ | ABORA | FORY IN | IFORMA | Project M | anager: | | | t | LAB W | ORK ORDI | SHIPMENT INFORM | |
| RAILWAY | Address: | | | | | | | Phone: | | | | | Shipme | nt Method: | | |
| CHAIN OF CUSTODY | City/State/ZIP | | | | | | | Fax: | | | | | Trackin | g Number: | | |
| BNSF PROJECT INFORMATION | Project State of | əf Örigin: | | | Τ | | c | ONSULT | ANT INF | ORMAT | ION | | Project N | lumber: | 83-067 | |
| ISF Project Number: 683-67 | Project City: | | | | Compan | H | aval | lor- | | | | | Project N | Aanager: | Rek Kelyshu | - n Conseiltry : Con- |
| | Sem' An BNSF Work O | nnial | | | Address: | Ĝ | 75 | 5th. | AVE | - 11 | V | | Email: | plings | Mr @ fouralle | " consulting on |
| ISF Contact: | BNSF Work O | rder No.: | | | City/Stat | e/ZIP: | Issaq | wah | · ~ | N | N 980° HODS FOR A | 27 | Phòne: | \$25 | -295-0800 Fax | |
| TURNAROUND TIME | 1 | DELIVERABLES | |] Other De | liverable | \$? | V | | 3 | MET | HODS FOR A | NALYSIS | | | | |
| 1-day Rush 5- to 8-day Rush | BNSF S | itandard (Level II) | | | | | | | يعنا | | | | | | | |
| 2-day Rush Kandard 10-Day | Level III | | |] EDD Red | q, Formal | ? | | à | FIC | | | | | | | |
| 3-day Rush Other | Level IV | · | | | | | | | J. | | | | | | | |
| | SAMPLE INFORM | | | | T | | | Ę | Sil | | | | | | | |
| Sample Identification | Containers | | ble Collection | | Filterec Y/N | - (Comp | p/ Matrix | HUTWN | SOC(Silinged dua | | | | | | | |
| | | Date | Time | Sampler | | Grab) | | - | N | 1 | <u> </u> | | | | COMMENTS | LAB USE |
| 24-W-40-091819 | 5 | 9118/19 | 1330 | | | 6 | W | K | | | | | | | | |
| GW-3+091819 GW-30-091819 | | <u> </u> | 1441 | 1 | ++- | | | X | × | | | | | | | |
| | | <u> </u> | 1500 | | | | | X | | 1 | | | | | | |
| <u>53-CU-091819</u> | | <u> </u> | 1452 | 1 | | | | X | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| 53-AD-091819 | | | 1453 | | $\left \cdot \right $ | + | | $\frac{1}{X}$ | | | | | | | | |
| 53 - CD - 091819 | | | 1530 | | | | | $\frac{1}{X}$ | | | | | | | | - |
| 53-BD - 091819 53-BU - 091819 | | | 1530 | | $\left \right $ | ┼╌┟ | | X | | | | | | | | |
| 53 - BQ - 091819 | | | 1606 | GP | | + | | K | | 1 | | | | | | |
| 54 - CD - 091819 | | | 1607 | MG | | + | + + | x X | 1 | | | | | | | |
| 54 - BD - 091819 | | | | B | | | $\pm t$ | X | | 1 | | | | | | |
| | | <u> </u> | 1616 | CB | | | | K | | | | | | | | |
| <u>54-BU - 091819</u> 54-CU - 091819 | | | 1629 | MG | | | | X | | | | | | | | |
| 54-AU-091819 | | 1 | 1630 | GP | | \square | | X | | | | | | | | |
| SI- AU-091919 | V | 9119119 | 0955 | | | $ \Psi $ | V | X | | | | | | | | |
| inquished By: | Date/Time: | 20/1900730 | Received By | 3. 9 | Jal | ç | sen | W A | | | 19 141 | 5 Comr | nents and | Special | Analytical Requireme | nts: |
| stinguished By: | Date/Time: | | Received By: | | | | | | | Date/Time | | | | | | |
| stinguished By: | Date/Time: | | Received By: | | | | | | | Date/Time | | _ | 0 | | Invine coo | No |
| cceived by Laboratory: | Date/Time: | | Lab Remarks: | | | | | | | Lab: Custo | | Custod | y Seal No. | | BNSF COC | ND |

10/10/2019

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|-----------------------------------|-----------------|--------------------|---------------|-------------------|-----------------|-----------------|----------------------|------------|---------|---------------------|----------|---------|-----------|-----------|-----------|---|-----------|
| BNSF | Laboratory: | | | | | | Q. C. M. Z. C. | Project Ma | anager: | | | | | | | SHIPMENT INFORMAT | ION |
| RAILWAY | Address: | | | | | | | Phone: | | | | | | Shipmer | nt Method | i: | |
| CHAIN OF CUSTODY | City/State/ZIP: | | | | | | | Fax: | | ***** | | | | Tracking | Number: | | |
| BNSF PROJECT INFORMATION | Project State o | f Origin: | | | | | C | ONSULT | ANT IN | FORMAT | ION | | | Project N | | | |
| BNSF Project Number: 683-067 | Project City; | stykom | sh, u) | A | Company | - Fa | Nall | εM | | | | | | Project M | anager: | Refe Kingstor |) |
| BNSF Project Name: BNSF Stykowish | | | | | Address: | a7 | 5 4 | the A | 112 | NW | | | | Email: P | tings | trapustion | mitterion |
| BNSF Contact: | BNSF Work Or | der No.: | | | City/State | a/ZIP | 1550 | qua | hic | SA | 987 | 727 | | Phone: | 425- | kk kingstor stræburduren 295-0500 Fax | J |
| TURNAROUND TIME | C | ELIVERABLES | Ĺ |] Other De | liverables | :? | | Γ* | | MET | HOD'S FO | DR ANAL | YSIS | ····· | | | I |
| 1-day Rush 5- to 8-day Rush | BNSF S | tandard (Level II) | | | | | | | | T | | | | | 1 | 1 | |
| 2-day Rush 🔀 Standard 10-Day | Level III | | | EDD Red | q, Format' | ? | | X | | | | | | | | | |
| | Level IV | | | | | | | Q | | | | | | | : | | |
| | MPLE INFORM | ATION | | | | | | Ho | | | | | | | | | |
| | | Samo | le Collection | | | Туре | | T | | | | | | | | | |
| Sample Identification | Containers | Date | Time | Sampler | Filtered Y/N | (Comp/ Grab) | Matrix | NWT | | | | | | - | | 0.011/0 | |
| S1-AD-091919 | 2 | 9/19/19 | 0957 | CB | N | 6 | W | X | | | | | | 1 | | COMMENTS | LAB USE |
| 251-BD-091919 | | 11. 1. 1. 1. | 1046 | 1 | | | | X | | | | | - | 1 | | | |
| SI-BU-091919 | | | 1102 | | | | | x | | | | | | 1 | | | |
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| 14 / | | ↓ <u>└</u> | [| | | | | | | | | | | | | | 1 |
| 15 Relinquished By: | Date/Time: | - 1 | Received | A | . 01 | | م، - ور ۱ | | | Date/Time: | 19 14 | a | Comme | nts and | Special | Analytical Requirements | L |
| Relinquished By: | Date/Time: | 20/19/0720 | Received By: | · _4 | | | BRA | (1) | | 7.20. Date/Time: | 19 14 | £15 | | | | - • | |
| Relinquished By | Date/Time: | | Received By: | •••••• | | | | | | Date/Time: | | | | | | | |
| Received by Laboratory: | Date/Time: | | Lab Remarks: | | - | | | | | Lab: Custo | | | Custody S | ieal No. | | BNSF COC No | |
| · · · · · | | | İ | | _ | | | | | | es 🗋 | No | | | | | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

| Them, ID: M^2 (ror: $0.6 \circ$ (no: $1.3 \circ$ Couler Die: $1.5 \circ 51 \circ$ FedEx: Cust. Sed: Ves $1.5 \circ$ Information Information Blue fee, in the provided interval interval in the provided interval interval interval in the p | Therm. ID: A Corr. 1.0 ° Unc: 1.7 ° Cooler Dsc: 7 B Corr. FedEx: Packing: B Courr. FedEx: Cust. Seal: Ves No UPS: Blue Ice (Met.) Dry, None Other: | Therm. ID: M2 Cor: 1.1 ° Unc. 6 ° Cooler Dsc: 1 Sl. FedEx: Packing: 5 5 1 Urp: FedEx: Cust. Seal: Yes × None Urps: Blue Ice, Web Dry, None Other: | Therm. ID: MCorr. O.O Unc: O.T o Cooler Dsc: I Blue FedEx: FedEx: | Therm. ID: ML Cor: 1.0 ° Unc: 1.7 ° Cooler Dsc: 1.5 8/2 FedEx: Packing: Byb UPS: Cust. Seal: Yes XN0 Lab Cour: X Blue Ice, Vet Dry, None Other: | Therm. ID: <u>Mc</u> Cor: <u>0.3 °</u> Unc: <u>1.0 °</u> Cooler Dsc: <u>15 B1.4</u> FedEx: Packing: <u>1.4 B1.4</u> FedEx: Cust. Seal: <u>Ves <u>7.</u> ° Lab Cour: <u>6</u> Blue Ice, <u>(et)</u> Dry, None <u>Other:</u></u> | Therm. ID: <u>MAC</u> Cor: <u>1.3</u> ° (m: <u>2.0</u> ° Cooler Dsc: <u>1 ~ 6</u> FedEx: Packing: <u>B. 66 FedEx:</u> Cust. Seat: <u>Ves. Vo</u> UPS: Blue Ice, <u>Cor</u> Dry, None Other: | Therm. ID: H2 <u>Cor:</u> 1. 6 ° Unc: 2.3 ° Cooler Dsc: 1/1 G <u>FedEx:</u> Packing: 3.6 FedEx: Cust. Seal: Ves 2 No UPS: Blue Ice, Wet, Dry, None Other: | Therm. ID: A72 Cor: U.3 ° Unc: /.0 ° Cooler Dsc: Lab Grave FedEx: PedEx: PedEx: | Therm. ID: At Cor: 0.6 ° Unc: 1.3 ° Cooler Dsc: 15 Green FedEx: Packing: 6.5 / UPS: Cust. Seal: Ves 5.0 Lab Cour: 7 Blue fee(We) Dry, None Other: | |
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and the second

Client: Farallon Consulting LLC

Login Number: 89409 List Number: 1

Creator: Vallelunga, Diana L

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

Job Number: 580-89409-1

List Source: Eurofins TestAmerica, Seattle

🛟 eurofins

Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-89413-1

Client Project/Site: BNSF Skykomish Ground Water

For:

..... Links

Review your project results through

Total Access

Have a Question?

Ask-

The

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Expert

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Knittene D. allen

Authorized for release by: 10/4/2019 4:29:57 PM

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

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

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Job ID: 580-89413-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-89413-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 9/20/2019 2:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were -0.2° C and 1.0° C.

Receipt Exceptions

The container label for Sample 580-89413-6 did not match the information listed on the Chain-of-Custody (COC): The Sample label listed EW-100-091919, while the COC listed EW-10-091919.

GC Semi VOA

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.

Definitions/Glossary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Glossary

Job ID: 5

| 580-89413-1 | |
|-------------|---|
| 560-69415-1 | |
| | |
| | 4 |
| | 5 |
| | |
| | |
| | 8 |
| | 9 |
| | |

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

Client Sample ID: GW-1-091919 Date Collected: 09/19/19 08:20

Date Received: 09/20/19 14:15

| Method: NWTPH-Dx - Northwest - | | | Products (GC) | | | | |
|--------------------------------|--------|-----------|---------------|-----|------|---|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | |

| Surrogate o-Terphenyl | %Recovery Qualified 84 | Fier Limits 50 - 150 | | | Prepared 10/02/19 12:48 | Analyzed | Dil Fac |
|--------------------------|------------------------|--------------------------------|-------|------|-----------------------------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | 0.091 | 0.091 | mg/L | 10/02/19 12:48 | 10/03/19 15:37 | 1 |
| #2 Diesel (C10-C24) | ND | 0.062 | 0.062 | mg/L | 10/02/19 12:48 | 10/03/19 15:37 | 1 |

Lab Sample ID: 580-89413-1 Matrix: Water

Dil Fac

Job ID: 580-89413-1

Analyzed

Prepared

Eurofins TestAmerica, Seattle

Client Sample ID: 5-W-43-091919 Date Collected: 09/19/19 08:22

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 15:57 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 10/02/19 12:48 | 10/03/19 15:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 83 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 15:57 | 1 |

Job ID: 580-89413-1

Lab Sample ID: 580-89413-2 Matrix: Water

vialrix. vvaler

5

Client Sample ID: PZ-75-091919 Date Collected: 09/19/19 08:24

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 16:17 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 16:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 59 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 16:17 | 1 |

Job ID: 580-89413-1

Matrix: Water

Lab Sample ID: 580-89413-3

Client Sample ID: PZ-8-091919 Date Collected: 09/19/19 09:20

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 16:37 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 16:37 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 73 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 16:37 | 1 |

Job ID: 580-89413-1

Matrix: Water

5

Lab Sample ID: 580-89413-4

Client Sample ID: EW-1-091919 Date Collected: 09/19/19 09:21

Date Received: 09/20/19 14:15

| Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) | | | | | | | | | | | |
|--|-----------|-----------|----------|-------|------|---|----------------|----------------|--|--|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | | | |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 16:58 | | | |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 16:58 | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | | | |
| o-Terphenyl | 84 | | 50 _ 150 | | | | 10/02/19 12:48 | 10/03/19 16:58 | | | |

Job ID: 580-89413-1

Matrix: Water

Dil Fac

Dil Fac

1

1

1

Lab Sample ID: 580-89413-5

Client Sample ID: EW-10-091919 Date Collected: 09/19/19 09:25

Date Received: 09/20/19 14:15

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

| Analyte #2 Diesel (C10-C24) | ND | Qualifier | RL | MDL 0.062 | mg/L | <u> </u> | Prepared 10/02/19 12:48 | Analyzed | Dil Fac |
|--------------------------------|-------------------------|-----------|------------------------|--------------|------|----------|----------------------------|----------------------------|--------------|
| Motor Oil (>C24-C36) Surrogate | ND % Recovery | Qualifier | 0.091 <i>Limits</i> | 0.091 | mg/∟ | | 10/02/19 12:48 Prepared | 10/03/19 17:18 Analyzed | 1 Dil Fac |
| o-Terphenyl | 68 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 17:18 | 1 |

Job ID: 580-89413-1

Lab Sample ID: 580-89413-6

Matrix: Water

5

Client Sample ID: GW-2-091919 Date Collected: 09/19/19 09:21

Date Received: 09/20/19 14:15

| Method: NWTPH-Dx - Northwest - | Semi-Volatile | Petroleum I | Products (GC) | | | | | |
|--------------------------------|---------------|-------------|---------------|-------|------|---|----------------|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | ma/l | | 10/02/19 12:48 | |

| Motor Oil (>C24-C36) | ND | 0.091 | 0.091 mg/L | 10/02/19 12:48 | 10/03/19 17:38 |
|--------------------------|--------------|--------------------|------------|-----------------------------------|----------------|
| Surrogate o-Terphenyl | 71 Qualifier | Limits 50 - 150 | | Prepared 10/02/19 12:48 | Analyzed |

Lab Sample ID: 580-89413-7

Analyzed 10/03/19 17:38

Eurofins TestAmerica, Seattle

680-89413-7 Matrix: Water

1

1

1

Dil Fac

Client Sample ID: WG-WV-091919 Date Collected: 09/19/19 10:09

Date Received: 09/20/19 14:15

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.24 | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 18:18 | 1 |
| Motor Oil (>C24-C36) | 0.14 | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 18:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 57 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 18:18 | 1 |

Job ID: 580-89413-1

Lab Sample ID: 580-89413-8 Matrix: Water

5

Job ID: 580-89413-1

Client Sample ID: FWG-WV-091919 Date Collected: 09/19/19 10:25

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89413-9 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 18:38 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 18:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 80 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 18:38 | 1 |

Client Sample ID: WG-EV-091919 Date Collected: 09/19/19 10:25

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.47 | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 18:59 | 1 |
| Motor Oil (>C24-C36) | 0.23 | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 18:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 84 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 18:59 | 1 |

Lab Sample ID: 580-89413-10

Matrix: Water

Client Sample ID: FWG-EV-091919 Date Collected: 09/19/19 10:47

Date Received: 09/20/19 14:15

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 | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 19:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 19:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 84 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 19:19 | 1 |

Lab Sample ID: 580-89413-11

Job ID: 580-89413-1

Matrix: Water 5

Client Sample ID: S2-AU-091919 Date Collected: 09/19/19 11:15

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 19:39 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 19:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 58 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 19:39 | 1 |

Lab Sample ID: 580-89413-12

Matrix: Water

Job ID: 580-89413-1

Client Sample ID: S2-AD-091919 Date Collected: 09/19/19 11:22

Date Received: 09/20/19 14:15

| Method: NWTPH-Dx - North | west - Semi-Volatile | Petroleum | Products (GC) | | | | | | |
|--------------------------|----------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 19:59 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 19:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 88 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 19:59 | 1 |

10/4/2019

Job ID: 580-89413-1

Lab Sample ID: 580-89413-13

Client Sample ID: S2-BD-091919 Date Collected: 09/19/19 11:28

Date Received: 09/20/19 14:15

| Method: NWTPH-Dx - North Analyte | | Petroleum Qualifier | Products (GC) RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|------------------------|---------------------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 10/02/19 12:48 | 10/03/19 20:19 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 20:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 85 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 20:19 | 1 |

10/4/2019

Lab Sample ID: 580-89413-14 Matrix: Water

ALIA. WALCI

Client Sample ID: S2-BU-091919 Date Collected: 09/19/19 11:30

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.42 | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 20:39 | 1 |
| Motor Oil (>C24-C36) | 0.20 | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 20:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 87 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 20:39 | 1 |

Lab Sample ID: 580-89413-15 Matrix: Water

Job ID: 580-89413-1

Client Sample ID: GW-20-091919 Date Collected: 09/19/19 16:30

Date Received: 09/20/19 14:15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 10/02/19 12:48 | 10/03/19 21:00 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 10/02/19 12:48 | 10/03/19 21:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 84 | | 50 - 150 | | | | 10/02/19 12:48 | 10/03/19 21:00 | 1 |

Job ID: 580-89413-1

Matrix: Water

2 Lab Sample ID: 580-89413-16

5

10/4/2019

Lab Sample ID: MB 580-313064/1-A

Lab Sample ID: LCS 580-313064/2-A

Matrix: Water

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

Analyte

Surrogate

Analyte

Surrogate

o-Terphenyl

o-Terphenyl

Matrix: Water

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

Analysis Batch: 313198

Analysis Batch: 313198

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

MB MB

MB MB

Result

ND

ND

85

%Recovery

LCS LCS

%Recovery Qualifier

74

Prep Type: Total/NA

Prep Batch: 313064

Client Sample ID: Method Blank

Qualifier RL MDL Unit Prepared Analyzed Dil Fac D 10/02/19 12:47 10/03/19 14:36 0.065 0.065 mg/L 1 0.096 0.096 mg/L 10/02/19 12:47 10/03/19 14:36 1 Qualifier Limits Prepared Analyzed Dil Fac 50 - 150 10/02/19 12:47 10/03/19 14:36 1 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA Prep Batch: 313064 LCS LCS Spike %Rec. Added Result Qualifier %Rec Limits Unit D 0.500 0.378 76 50 - 120 mg/L 0.500 0.506 101 mg/L 64 - 120 Limits 50 - 150

| Lab Sample ID: LCSD 580-31 Matrix: Water Analysis Batch: 313198 | | | | | Prep T | l Sampl ype: To Batch: 3 | tal/NA | | | | |
|---|-----------|-----------|----------|--------|-----------|--------------------------------|--------|------|----------|-----|-------|
| | | | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | 0.500 | 0.381 | | mg/L | | 76 | 50 - 120 | 1 | 26 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.503 | | mg/L | | 101 | 64 - 120 | 1 | 24 |
| | LCSD | LCSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| o-Terphenyl | 73 | | 50 - 150 | | | | | | | | |

Client Sample ID: GW-1-091919

Date Collected: 09/19/19 08:20

Date Received: 09/20/19 14:15

Lab Sample ID: 580-89413-1

Lab Sample ID: 580-89413-2 Matrix: Water

Matrix: Water

| | Batch | Batch |
|-----------|----------|----------|
| Prep Type | Туре | Method |
| Total/NA | Prep | 3510C |
| Total/NA | Analysis | NWTPH-Dx |

Client Sample ID: 5-W-43-091919 Date Collected: 09/19/19 08:22 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 15:57 | ERZ | TAL SEA |

Dilution

Factor

1

Run

Batch

Number

313064

313198

Prepared

or Analyzed

10/02/19 12:48

10/03/19 15:37

Analyst

PRO

ERZ

Lab

TAL SEA

TAL SEA

Client Sample ID: PZ-75-091919

Lab Sample ID: 580-89413-3 Matrix: Water

Lab Sample ID: 580-89413-4

Lab Sample ID: 580-89413-5

Lab Sample ID: 580-89413-6

Matrix: Water

Matrix: Water

Matrix: Water

Date Collected: 09/19/19 08:24 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 16:17 | ERZ | TAL SEA |

Client Sample ID: PZ-8-091919

Date Collected: 09/19/19 09:20

Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 16:37 | ERZ | TAL SEA |

Client Sample ID: EW-1-091919

Date Collected: 09/19/19 09:21 Date Received: 09/20/19 14:15

| Г | | | | | | | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Batch | Batch | | Dilution | Batch | Prepared | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 16:58 | ERZ | TAL SEA |

Client Sample ID: EW-10-091919 Date Collected: 09/19/19 09:25 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 17:18 | ERZ | TAL SEA |

Client Sample ID: GW-2-091919

Lab Sample ID: 580-89413-7

| | 09/19/19 09:2 | | | | | | | | Matrix: Wate |
|--|--|--|-----|--|---|--|--|--|--|
| ate Received: | 09/20/19 14:1 | 5 | | | | | | | |
| - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 17:38 | ERZ | TAL SEA | |
| Client Sample | e ID: WG-W | V-091919 | | | | | La | b Sample I | D: 580-89413- |
| Date Collected: | | | | | | | | | Matrix: Wate |
| Date Received: | | | | | | | | | |
| - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA | |
| | • | | | 4 | | | | | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 18:18 | ERZ | TAL SEA | |
| Client Sample | e ID: FWG-V | VV-091919 | | | | | La | ab Sample I | D: 580-89413- |
| Date Collected: | 09/19/19 10:2 | 5 | | | | | | | Matrix: Wate |
| Date Received: | 09/20/19 14:1 | 5 | | | | | | | |
| - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 18:38 | ERZ | TAL SEA | |
| - Client Semple | | / 001010 | | | | | Lak | Sampla IF | . 500 00/12 1 |
| Client Sample | | | | | | | Lat | Sample IL | : 580-89413-1 |
| Date Collected: | 09/19/19 10:2 | 5 | | | | | | | Matrix: Wate |
| | | _ | | | | | | | |
| Date Received: | 09/20/19 14:1 | 5 | | | | | | | |
| _ | 09/20/19 14:15 Batch | 5 Batch | | Dilution | Batch | Prepared | | | |
| Date Received: | | | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab | |
| _ | Batch | Batch | Run | | | - | Analyst PRO | - Lab TAL SEA | |
| Prep Type | Batch Type | Batch Method | Run | | Number | or Analyzed | | | |
| Total/NA Total/NA | Batch Type Prep Analysis | Batch Method 3510C NWTPH-Dx | Run | Factor | Number 313064 | or Analyzed | PRO ERZ | TAL SEA TAL SEA |): 580-89413-1 |
| Prep Type Total/NA Total/NA Client Sample | Batch Type Prep Analysis e ID: FWG-E | Batch Method 3510C NWTPH-Dx EV-091919 | Run | Factor | Number 313064 | or Analyzed | PRO ERZ | TAL SEA TAL SEA | |
| Prep Type Total/NA Total/NA Client Sample Date Collected: | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' | Batch Method 3510C NWTPH-Dx EV-091919 7 | Run | Factor | Number 313064 | or Analyzed | PRO ERZ | TAL SEA TAL SEA | |
| Prep Type Total/NA Total/NA Client Sample Date Collected: | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4 09/20/19 14:15 | Batch Method 3510C NWTPH-Dx EV-091919 7 5 | Run | 1 | Number 313064 313198 | or Analyzed 10/02/19 12:48 10/03/19 18:59 | PRO ERZ | TAL SEA TAL SEA | |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4 09/20/19 14:15 Batch | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch | | _ Factor1 | Number 313064 313198 Batch | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared | PRO ERZ | TAL SEA TAL SEA Sample ID | |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:1! Batch Type | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method | Run | 1 | Number 313064 313198 Batch Number | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed | PRO ERZ Lat | TAL SEA TAL SEA Sample ID | |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:1! Batch Type Prep | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method 3510C | | 1 | Number 313064 313198 Batch Number 313064 | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed 10/02/19 12:48 | PRO ERZ Lak Analyst PRO | TAL SEA TAL SEA D Sample ID | |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:1! Batch Type | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method | | _ Factor1 | Number 313064 313198 Batch Number | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed | PRO ERZ Lat | TAL SEA TAL SEA Sample ID | |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:1! Batch Type Prep Analysis e ID: S2-AU | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method 3510C NWTPH-Dx -091919 | | 1 | Number 313064 313198 Batch Number 313064 | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed 10/02/19 12:48 | PRO ERZ Lat Analyst PRO ERZ | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA | 9: 580-89413-1 Matrix: Wate 9: 580-89413-1 |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:1! Batch Type Prep Analysis e ID: S2-AU | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method 3510C NWTPH-Dx -091919 | | 1 | Number 313064 313198 Batch Number 313064 | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed 10/02/19 12:48 | PRO ERZ Lat Analyst PRO ERZ | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA | Matrix: Wate |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Client Sample Date Collected: | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:19 Batch Type Prep Analysis e ID: S2-AU 09/19/19 11:19 | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method 3510C NWTPH-Dx -091919 5 | | 1 | Number 313064 313198 Batch Number 313064 | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed 10/02/19 12:48 | PRO ERZ Lat Analyst PRO ERZ | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Client Sample Date Collected: | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:19 Batch Type Prep Analysis e ID: S2-AU 09/19/19 11:19 | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method 3510C NWTPH-Dx -091919 5 | | 1 | Number 313064 313198 Batch Number 313064 | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed 10/02/19 12:48 | PRO ERZ Lat Analyst PRO ERZ | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA | Matrix: Wate |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:1! Batch Type Prep Analysis e ID: S2-AU 09/19/19 11:1! 09/20/19 14:1! | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method 3510C NWTPH-Dx -091919 5 5 | | Factor 1 Dilution Factor 1 | Number 313064 313198 Batch Number 313064 313198 | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed 10/02/19 12:48 10/03/19 19:19 | PRO ERZ Lat Analyst PRO ERZ | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA | Matrix: Wate |
| Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Client Sample Date Collected: Date Received: | Batch Type Prep Analysis e ID: FWG-E 09/19/19 10:4' 09/20/19 14:12 Batch Type Prep Analysis e ID: S2-AU 09/19/19 11:12 09/20/19 14:12 | Batch Method 3510C NWTPH-Dx EV-091919 7 5 Batch Method 3510C NWTPH-Dx -091919 5 5 Batch Batch | Run | Factor 1 Dilution Factor 1 Dilution | Number 313064 313198 Batch Number 313064 313198 | or Analyzed 10/02/19 12:48 10/03/19 18:59 Prepared or Analyzed 10/02/19 12:48 10/03/19 19:19 Prepared | PRO ERZ Lak PRO ERZ Lak | TAL SEA TAL SEA Sample ID Lab TAL SEA TAL SEA Sample ID | Matrix: Wate |

Matrix: Water

Matrix: Water

Lab Sample ID: 580-89413-13

Lab Sample ID: 580-89413-14

Client Sample ID: S2-AD-091919 Date Collected: 09/19/19 11:22 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 19:59 | ERZ | TAL SEA |

Client Sample ID: S2-BD-091919 Date Collected: 09/19/19 11:28 Date Received: 09/20/19 14:15

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 20:19 | ERZ | TAL SEA |

Client Sample ID: S2-BU-091919

Lab Sample ID: 580-89413-15 Matrix: Water

Date Collected: 09/19/19 11:30 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 20:39 | ERZ | TAL SEA |

Client Sample ID: GW-20-091919

Lab Sample ID: 580-89413-16 Matrix: Water

Date Collected: 09/19/19 16:30 Date Received: 09/20/19 14:15

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 313064 | 10/02/19 12:48 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 313198 | 10/03/19 21:00 | ERZ | TAL SEA |

Laboratory References:

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

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-89413-1

Laboratory: Eurofins TestAmerica, Seattle

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

| Authority | Program | Identification Number | Expiration Date |
|--------------------|-----------------------|-----------------------|-----------------|
| Alaska (UST) | State | 17-024 | 01-19-22 |
| ANAB | Dept. of Defense ELAP | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | L2236 | 01-19-22 |
| California | State | 2901 | 11-05-19 |
| Montana (UST) | State | NA | 04-13-21 |
| Oregon | NELAP | WA100007 | 11-05-19 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-17-00039 | 02-10-20 |
| Washington | State | C553 | 02-17-20 |

Sample Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 580-89413-1 | GW-1-091919 | Water | 09/19/19 08:20 | 09/20/19 14:15 | |
| 580-89413-2 | 5-W-43-091919 | Water | 09/19/19 08:22 | 09/20/19 14:15 | |
| 580-89413-3 | PZ-75-091919 | Water | 09/19/19 08:24 | 09/20/19 14:15 | |
| 580-89413-4 | PZ-8-091919 | Water | 09/19/19 09:20 | 09/20/19 14:15 | |
| 580-89413-5 | EW-1-091919 | Water | 09/19/19 09:21 | 09/20/19 14:15 | |
| 580-89413-6 | EW-10-091919 | Water | 09/19/19 09:25 | 09/20/19 14:15 | |
| 580-89413-7 | GW-2-091919 | Water | 09/19/19 09:21 | 09/20/19 14:15 | |
| 580-89413-8 | WG-WV-091919 | Water | 09/19/19 10:09 | 09/20/19 14:15 | |
| 580-89413-9 | FWG-WV-091919 | Water | 09/19/19 10:25 | 09/20/19 14:15 | |
| 580-89413-10 | WG-EV-091919 | Water | 09/19/19 10:25 | 09/20/19 14:15 | |
| 580-89413-11 | FWG-EV-091919 | Water | 09/19/19 10:47 | 09/20/19 14:15 | |
| 580-89413-12 | S2-AU-091919 | Water | 09/19/19 11:15 | 09/20/19 14:15 | |
| 580-89413-13 | S2-AD-091919 | Water | 09/19/19 11:22 | 09/20/19 14:15 | |
| 580-89413-14 | S2-BD-091919 | Water | 09/19/19 11:28 | 09/20/19 14:15 | |
| 580-89413-15 | S2-BU-091919 | Water | 09/19/19 11:30 | 09/20/19 14:15 | |
| 580-89413-16 | GW-20-091919 | Water | 09/19/19 16:30 | 09/20/19 14:15 | |

| | | | | | | ORY IN | | 101 | | Loc: 580 | Page 10F2 | | |
|--------------------------------------|-----------------|--------------------|---------------------|------------|------------|-----------------|------------|---------------|--|----------------------|--|--|--|
| BNSF | | | | ABORAI | | FORMAI | Project Ma | nager: | 89413 | VORK ORDER. | | | |
| | Address: | Address: Phone: | | | | | | | | SHIPMENT INFORMATION | | | |
| RAILWAY | City/State/ZiP | | | | | | | Fax: | | | ant Method: | | |
| CHAIN OF CUSTODY | | | | | - | | | 1 04. | | | g Number: | | |
| BNSF PROJECT INFORMATION | Project State o | of Origin: W J | 4 | | | | с | ONSULTA | NT INFORMATION | | ject Number: 683-067 | | |
| BNSF Project Number: 683-067 | Project City: | Skykon | rish, w | A | Company | Far | all | | | Pro | ject Manager: Peter Kingston | | |
| BNSF Project Name: BNSF Stytemsh - M | with | 1 | | | Address: | 97 | 5 | 519 1 | AVE NW | En | at Pkingston pavallen consulty com | | |
| BNSF Contact: | BNSF Work O | der No.: | | | City/State | VZIP: L | 85a | Jush | WA 981 | Pho D77 | iect Managar. Peter Kingston all Pkingston favallen Connelby com- | | |
| TURNAROUND TIME | | ELIVERABLES | C |] Other De | liverables | | | Í | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | OR ANALYSIS | The second second second second second second second second second second second second second second second s | | |
| 1-day Rush 5- to 8-day Rush | BNSF S | tandard (Level II) | | | | | | | | | | | |
| 2-day Rush Standard 10-Day | Level III | | [| EDD Red | q, Format' | ? | | X | | | | | |
| 3-day Rush Other | Level IV | | | | | | | | | | | | |
| <u> </u> | PLE INFORM | ATION | | | | | | F | | | | | |
| Sample Identification | Containers | Sam | pie Collection | · | Filtered | Type (Comp/ | Matrix | | | | | | |
| Cample (Centration) | Containera | Date | Time | Sampler | Y/N | (Comp/ Grab) | IVIGITIX | LMN | | | COMMENTS LAB USE | | |
| GW-1-091919 | 2 | 9/19/19 | 0520 | mG | N | 6 | ω | X | | | | | |
| 5-W-43-091919 | | | 0822 | CB | | | | X | | | | | |
| PZ-75-091919 | | | osey | 1 | | | : | X | | | | | |
| PZ-8-091919 | | | 0920 | 1 | | | | R | | | | | |
| EW-1-091919 | | | 0921 | | | | | K | | | | | |
| EW-10-091919 | 1 | | 0925 | | | | | X | | 530-894 | 113 Chain of Custody | | |
| GW-2-091919 | | | | GP | | | | X | | | ······································ | | |
| WG-WV-091919 | | | 1 | GP | | | | K | · | The | rm. ID: M2 Cor: 1.C . Unc: 1.7 . | | |
| FWG-WV-091919 | <u> </u> | | | MG | | | | X | | Coo | rm. ID: <u>M2</u> Cor: <u>1.6</u> • Unc: <u>1.7</u> • | | |
| · WG-EV- 091919 | <u> </u> | | 1025 | GP | | | | X | | Pac Cus | king: _ 12 = 2 UPS: t. Seal: Ves_ <u>7</u> No Lab Cour: | | |
| FWG-EV-091919 | | | 1 | CB | | | | K | | | e Ice (Ver Dry, None Other: | | |
| 2 S2-AU-91919 | <u> </u> | | 1047 | 1 | | | | X | | | <u> </u> | | |
| 3 S2 ~ AD- 091919 | | | 1115 | MG | | | | <u> </u> | | The | Im. ID: #2 Cor:=0.2 ° Unc: 0.5 ° ler Dsc: 1r; Blee FedEx: | | |
| | | | 1 | CB | | | | \rightarrow | | Coo | ler Dsc:FedEx: | | |
| <u>. 32-BD-091919</u> | $-\sqrt{r}$ | | 1128 | | | \forall | | X | | Pac | king:_ K-9 UPS: t. Seal: Yes <u>+</u> NoLab Cour:_ <u>*</u> | | |
| 5 52- BU-991919 | Date/Time: | | 130 Received By: | MG M A | | | | X | Date/Time: | Comn Blue | king: B-5 FedEX: UPS: UPS: t. Seal: Ves No Lab Cour: e Ice, Vet Dry, None Other: | | |
| Relinquished By: | Date/Time. | 00/90730 | Received By: | Jall | | 3E | 14 TR | | Date/Time: 9-20-19-15 Date/Time: | H5 | | | |
| Relinquished By: | Date/Time; | | Received By: | | | | | | Date/Time: | | | | |
| Received by Laboratory: | Date/Time: | | Lab Remarks: | . <u> </u> | | | | | Lab: Custody Intact? | Custody Seal No | BNSF COC No | | |
| | 1 | | l | | | | | | 🗌 Yes 🗌 | No | | | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

TAL-1001 (0912)

| F | | | | 1 | | | FORMAT | | | | | | | - 1 | 00% 000 | Page | 2 of 2 |
|--|------------------------|-------------------|----------------|-----------|------------------------|----------------|-----------------|-----------|---------|--------------------------------|-------------------|-------------|-----------|------------------|-----------|---|----------------|
| BNSF | Laboratory: | | | | ABORAI | OKT IN | FURMAT | Project M | anager: | | | | | LAB W | ORK ORD | SHIPMENT INFORMAT | TION |
| RAILWAY | Address: | ddress: | | | | | | Phone: | | | | | | Shipment Method: | | | |
| CHAIN OF CUSTODY | City/State/ZIP: | | | | | | | Fax: | | | | | | Trackin | g Number: | - | |
| BNSF PROJECT INFORMATION | Project State of | rorigin: W/ | }_ | |] | | с | ONSULT | ANT IN | FORMAT | TION | | | Project N | lumber: | 683-067 | |
| BNSF Project Number: 683-067 | Project City: | Aukon | nsh | | Company | Ta | ral | lon | | | | • <u> </u> | | Project N | Manager: | Pet Lingston | |
| BNSF PROJECT INFORMATION BNSF Project Number: 683-067 BNSF Project Name: BNSF Stykomish BNSF Contact: | - Mon BNSF Work O | they der No.: | | | Address: City/State | gi7 | 55 | R AI | UE | NW F * | 205.0 | | | Email: Phone: | pling | 653-067 fet Lingston Anotavalluce 195-0300 Fax | wsulfing. C-on |
| TURNAROUND TIME | T r | ELIVERABLES | | Other De | liverables | 2 | -t - | <u> </u> | Ur | | 1802 | | Vele | | 425-1 | 145-0300 | Т |
| 1-day Rush | | andard (Level II) | L | 1 0000 00 | ALACLUDICS | | | | | 1415-1 | | OR ANA | -1313 | 1 | 1 | - | |
| 2-day Rush Standard 10-Day | | | ر | | | ~~~~~ | | | | | | | | | | | |
| Namata Variation | Level III | | L | EDD Red | ą, Format' | ſ | | ă | | | | | | | | | |
| A-day Rush Other | Level IV | | | | | | | 1 | | **** | | | | | | | |
| SAM | PLE INFORM | ATION | | **** | | , | | HUTPH | | | | | | | | | |
| Sample Identification | Containers | Samp | ole Collection | | Filtered | Type (Comp/ | Matrix | 3 | | | - | | | | | | |
| | | Dale | Time | Sampler | Y/N | Grab) | | ₹ | | | | | | | | COMMENTS | LAB USE |
| . GW-20-091919 | 2 | 9/19/19 | 0430 | GP | N | G | Ŵ | K | | | | | | | | | |
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| 11 | | | | | | | | | | | | | | | | | |
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| 13 | | | | | | | | | | | | | | 1 | | | |
| 14 | | | | | | | | | | | | | | | | | |
| | Date/Time: | | Received By: | | . <i>6</i> | | | | | Date/Time | | | 0 | <u> </u> | | | |
| Relinquished By: | Date/Time: | 24 199730 | Received By: | All | <u>×</u> | Se | 74 T | A | | Date/Time 9-20 Date/Time | | 415 | Comme | nts and | Special A | Analytical Requirements | ; |
| Relinquished By: | Date/Time: | | Received By: | | | | | | | Date/Time | : | | | | | | |
| Received by Laboratory: | Date/Time ⁻ | | Lab Remarks: | | | | | | | Lab: Custo | ody Intact? es | No | Custody S | eal No. | | BNSF COC No | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

Client: Farallon Consulting LLC

Login Number: 89413 List Number: 1

Creator: McMorris, Regan

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

Job Number: 580-89413-1

List Source: Eurofins TestAmerica, Seattle

🛟 eurofins

Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-91663-1

Client Project/Site: BNSF Skykomish Ground Water Sampling Event: Skykomish HCC System

For:

..... Links

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www.testamericainc.com

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Expert

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Knistine D. allen

Authorized for release by: 1/7/2020 4:08:17 PM Kristine Allen, Manager of Project

Kristine Allen, Manager of Project Management (253)248-4970 kristine.allen@testamericainc.com

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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| | |

Job ID: 580-91663-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-91663-1

Comments

No additional comments.

Receipt

The samples were received on 12/20/2019 4:51 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 10 coolers at receipt time were 0.6° C, 0.6° C, 0.8° C, 1.3° C, 1.3° C, 2.0° C, 2.2° C, 2.2° C, 2.3° C and 3.5° C.

Receipt Exceptions

Insufficient sample volume was provided for MS/ MSD or Duplicates.

The Chain of Custody (COC) shows the following samples crossed out however we received containers for these three samples and have logged them for NWTPH-Dx analysis pending client notification. 5-W-180-121719 (580-91663-27), GW-30-121919 (580-91663-28) and GW-3-121919 (580-91663-29) The client requested we analyze these three samples.

GC Semi VOA

Method NWTPH-Dx: Continuing calibration verification (CCV) standard associated with batch 580-319961 recovered outside %Drift acceptance criteria for o-Terphenyl surrogate. The %Recovery is within acceptance criteria for the surrogate in the CCV and associated samples; therefore, the data are qualified and reported. (CCV 580-319961/14) and (CCV 580-319961/36)

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: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Percent Recovery

Contains Free Liquid

Contains No Free Liquid

Glossary Abbreviation

¤

%R CFL

CNF

Job

| DID: 580-91663-1 | |
|------------------|---|
| | |
| | |
| | 4 |
| | 5 |
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| | |
| | 8 |
| | 9 |
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| | |
| | |

| DER | Duplicate Error Ratio (normalized absolute difference) |
|----------------|---|
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| | |

These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

Client Sample ID: 5-W-19-121719 Date Collected: 12/17/19 11:57

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/30/19 09:37 | 01/03/20 14:34 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/30/19 09:37 | 01/03/20 14:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 60 | | 50 - 150 | | | | 12/30/19 09:37 | 01/03/20 14:34 | 1 |

Lab Sample ID: 580-91663-1

Matrix: Water

Job ID: 580-91663-1

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-2

Client Sample ID: 2A-W-41-121719 Date Collected: 12/17/19 11:10

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.31 | | 0.062 | 0.062 | mg/L | | 12/30/19 09:37 | 01/03/20 14:56 | 1 |
| Motor Oil (>C24-C36) | 0.28 | | 0.092 | 0.092 | mg/L | | 12/30/19 09:37 | 01/03/20 14:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 85 | | 50 - 150 | | | | 12/30/19 09:37 | 01/03/20 14:56 | 1 |

Job ID: 580-91663-1

Matrix: Water

5

Lab Sample ID: 580-91663-3

Client Sample ID: 2A-W-410-121719 Date Collected: 12/17/19 11:05

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.49 | | 0.064 | 0.064 | mg/L | | 12/30/19 09:37 | 01/03/20 15:18 | 1 |
| Motor Oil (>C24-C36) | 0.39 | | 0.094 | 0.094 | mg/L | | 12/30/19 09:37 | 01/03/20 15:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 96 | | 50 - 150 | | | | 12/30/19 09:37 | 01/03/20 15:18 | 1 |

Client Sample ID: EW-2A-121719 Date Collected: 12/17/19 15:55

Date Received: 12/20/19 16:51

| 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 | | 0.063 | 0.063 | mg/L | | 12/30/19 09:37 | 01/03/20 15:40 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.094 | 0.094 | mg/L | | 12/30/19 09:37 | 01/03/20 15:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 12/30/19 09:37 | 01/03/20 15:40 | 1 |

Job ID: 580-91663-1

Lab Sample ID: 580-91663-4

5

Matrix: Water

Client Sample ID: 5-W-56-121719 Date Collected: 12/17/19 17:08

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.45 | | 0.062 | 0.062 | mg/L | | 12/30/19 09:37 | 01/03/20 16:01 | 1 |
| Motor Oil (>C24-C36) | 1.3 | | 0.091 | 0.091 | mg/L | | 12/30/19 09:37 | 01/03/20 16:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 12/30/19 09:37 | 01/03/20 16:01 | 1 |

Lab Sample ID: 580-91663-5

Job ID: 580-91663-1

Matrix: Water

Client Sample ID: 1B-W-23-121719 Date Collected: 12/17/19 14:35

Date Received: 12/20/19 16:51

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 | | 0.064 | 0.064 | mg/L | | 12/31/19 09:35 | 01/02/20 15:12 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.095 | 0.095 | mg/L | | 12/31/19 09:35 | 01/02/20 15:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 71 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 15:12 | 1 |

Job ID: 580-91663-1

Lab Sample ID: 580-91663-6

Matrix: Water

Client Sample ID: 5-W-55-121719 Date Collected: 12/17/19 16:18

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.10 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 15:34 | 1 |
| Motor Oil (>C24-C36) | 0.13 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 15:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 71 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 15:34 | 1 |

Lab Sample ID: 580-91663-7

Job ID: 580-91663-1

Matrix: Water

Client Sample ID: 5-W-14-121719 Date Collected: 12/17/19 15:33

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 15:56 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 15:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 65 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 15:56 | 1 |

Matrix: Water

5

Lab Sample ID: 580-91663-8

Client Sample ID: 5-W-17-121719 Date Collected: 12/17/19 10:46

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 16:18 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 16:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 68 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 16:18 | 1 |

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-9

Client Sample ID: 5-W-16-121719 Date Collected: 12/17/19 12:00

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 16:39 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 16:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 77 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 16:39 | 1 |

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-10

Client Sample ID: 2A-W-40-121719

Date Collected: 12/17/19 09:50 Date Received: 12/20/19 16:51

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 | | 0.063 | 0.063 | mg/L | | 12/31/19 09:35 | 01/02/20 17:01 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.094 | 0.094 | mg/L | | 12/31/19 09:35 | 01/02/20 17:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 65 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 17:01 | 1 |

Lab Sample ID: 580-91663-11

Job ID: 580-91663-1

Matrix: Water

1 2 3 4 5 6 7 8

Client Sample ID: 5-W-18-121719 Date Collected: 12/17/19 14:31

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 17:23 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 17:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 68 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 17:23 | 1 |

Lab Sample ID: 580-91663-12

Matrix: Water

Job ID: 580-91663-1

Job ID: 580-91663-1

Client Sample ID: 2A-W-42-121819 Date Collected: 12/18/19 14:23

Date Received: 12/20/19 16:51

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.15 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 18:06 | 1 |
| Motor Oil (>C24-C36) | 0.13 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 18:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 75 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 18:06 | 1 |

Lab Sample ID: 580-91663-13 Matrix: Water

Client Sample ID: 1C-W-8-121819 Date Collected: 12/18/19 09:43

Date Received: 12/20/19 16:51

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 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 18:28 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 18:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 73 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 18:28 | 1 |

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-14

Client Sample ID: GW-4-121819 Date Collected: 12/18/19 13:20

Date Received: 12/20/19 16:51

| Method: NWTPH-Dx - North | west - Semi-Volatile | Petroleum | Products (GC) | | | | | | |
|--------------------------|----------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 18:50 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 18:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 69 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 18:50 | 1 |

Lab Sample ID: 580-91663-15

Job ID: 580-91663-1

0-91663-15 Matrix: Water

5

Client Sample ID: 2A-W-9-121819 Date Collected: 12/18/19 17:00

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.18 | | 0.061 | 0.061 | mg/L | | 12/31/19 09:35 | 01/02/20 19:11 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 19:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 19:11 | 1 |

Lab Sample ID: 580-91663-16

Job ID: 580-91663-1

Matrix: Water 4

Job ID: 580-91663-1

Client Sample ID: 2A-W-10-121819 Date Collected: 12/18/19 15:55

Date Received: 12/20/19 16:51

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.14 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 19:33 | 1 |
| Motor Oil (>C24-C36) | 0.41 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 19:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 19:33 | 1 |

Lab Sample ID: 580-91663-17 Matrix: Water

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-18

Client Sample ID: 2A-W-100-121819 Date Collected: 12/18/19 16:05

Date Received: 12/20/19 16:51

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.13 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 19:55 | 1 |
| Motor Oil (>C24-C36) | 0.36 | | 0.092 | 0.092 | mg/L | | 12/31/19 09:35 | 01/02/20 19:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 74 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 19:55 | 1 |

Client Sample ID: 1C-W-7-121819 Date Collected: 12/18/19 12:12

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.12 | | 0.061 | 0.061 | mg/L | | 12/31/19 09:35 | 01/02/20 20:17 | 1 |
| Motor Oil (>C24-C36) | 0.14 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 20:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 78 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 20:17 | 1 |

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-19

Client Sample ID: 1C-W-1-121819 Date Collected: 12/18/19 10:47

Date Received: 12/20/19 16:51

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 | | 0.063 | 0.063 | mg/L | | 12/31/19 09:35 | 01/02/20 20:38 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 12/31/19 09:35 | 01/02/20 20:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 20:38 | 1 |

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-20

Client Sample ID: 1B-W-3-121819 Date Collected: 12/18/19 11:50

Date Received: 12/20/19 16:51

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 | | 0.061 | 0.061 | mg/L | | 12/31/19 09:35 | 01/02/20 21:00 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 21:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 74 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 21:00 | 1 |

Job ID: 580-91663-1

Lab Sample ID: 580-91663-21

Matrix: Water

Client Sample ID: 5-W-51-121819 Date Collected: 12/18/19 10:42

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.42 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 21:22 | 1 |
| Motor Oil (>C24-C36) | 0.33 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 21:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 82 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 21:22 | 1 |

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-22

Job ID: 580-91663-1

Lab Sample ID: 580-91663-23

Client Sample ID: MW-3-121919 Date Collected: 12/19/19 10:45

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.77 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 22:05 | 1 |
| Motor Oil (>C24-C36) | 1.8 | | 0.092 | 0.092 | mg/L | | 12/31/19 09:35 | 01/02/20 22:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 69 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 22:05 | 1 |

Eurofins TestAmerica, Seattle

Matrix: Water

Job ID: 580-91663-1

Client Sample ID: MW-4-121919 Date Collected: 12/19/19 11:50

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.16 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 22:27 | 1 |
| Motor Oil (>C24-C36) | 0.44 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 22:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 72 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 22:27 | 1 |

Lab Sample ID: 580-91663-24 Matrix: Water

Client Sample ID: 2B-W-4-121919 Date Collected: 12/19/19 09:38

Date Received: 12/20/19 16:51

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 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 14:51 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 12/31/19 09:53 | 01/02/20 14:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 74 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 14:51 | 1 |

Job ID: 580-91663-1

Matrix: Water

Lab Sample ID: 580-91663-25

Client Sample ID: MW-555 Date Collected: 12/19/19 11:25

Date Received: 12/20/19 16:51

| Method: NWTPH-Dx - North | west - Semi-Volatile | e Petroleum | Products (GC) | | | | | | |
|--------------------------|----------------------|-------------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 15:12 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 15:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 62 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 15:12 | 1 |

1/7/2020

5

Job ID: 580-91663-1

Lab Sample ID: 580-91663-26

Matrix: Water

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:35 | 01/02/20 22:49 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:35 | 01/02/20 22:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 12/31/19 09:35 | 01/02/20 22:49 | 1 |

Lab Sample ID: 580-91663-27

Matrix: Water

Client Sample ID: GW-30-121919 Date Collected: 12/19/19 13:00

Date Received: 12/20/19 16:51

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.10 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 15:34 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 15:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 85 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 15:34 | 1 |

Lab Sample ID: 580-91663-28

Matrix: Water

5

Job ID: 580-91663-1

Job ID: 580-91663-1

Client Sample ID: GW-3-121919

Date Collected: 12/19/19 12:50 Date Received: 12/20/19 16:51

Lab Sample ID: 580-91663-29 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.091 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 15:56 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 12/31/19 09:53 | 01/02/20 15:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 76 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 15:56 | 1 |

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

5 6

| Lab Sample ID: MB 580-3198 | 307/1-A | | | | | | | | Client Sa | ample ID: Meth | od Blank |
|---|--------------|----------------------|----------------|------------|--------------|------|------|-------|----------------------------|----------------------------------|----------|
| Matrix: Water | | | | | | | | | | Prep Type: | Total/NA |
| Analysis Batch: 319981 | | | | | | | | | | Prep Batch | : 319807 |
| | | B MB | | | | | _ | _ | | | |
| Analyte | Resu | | | | Unit | | D | | repared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) Motor Oil (>C24-C36) | N | D | 0.065 0.096 | | mg/L mg/L | | | | 80/19 09:37 80/19 09:37 | 01/03/20 13:07 01/03/20 13:07 | 1 |
| NOLOT OII (~C24-C30) | | | 0.090 | 0.090 | IIIg/L | | | 12/3 | 0/19/09.37 | 01/03/20 13.0/ | 1 |
| Surrogate | M %Recove | B MB ry Qualifier | Limits | | | | | P | repared | Analyzed | Dil Fac |
| o-Terphenyl | | 01 | 50 - 150 | | | | | | 30/19 09:37 | 01/03/20 13:07 | 1 |
| Lab Sample ID: LCS 580-319 | 807/2-A | | | | | | С | lient | Sample | ID: Lab Contro | I Sample |
| Matrix: Water | | | | | | | | | . oumpro | Prep Type: | |
| Analysis Batch: 319981 | | | | | | | | | | Prep Batch | |
| · | | | Spike | LCS LCS | ; | | | | | %Rec. | |
| Analyte | | | Added | Result Qua | lifier | Unit | | D | %Rec | Limits | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.490 | | mg/L | | | 98 | 50 - 120 | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.499 | | mg/L | | | 100 | 64 - 120 | |
| | LCS L | cs | | | | | | | | | |
| Surrogate | %Recovery Q | ualifier | Limits | | | | | | | | |
| o-Terphenyl | 115 | | 50 - 150 | | | | | | | | |
| - Lab Sample ID: LCSD 580-3 ⁴ | 19807/3-A | | | | | CI | ient | San | nple ID: L | ab Control San | nple Dup |
| Matrix: Water | | | | | | | | | | Prep Type: | |
| Analysis Batch: 319981 | | | | | | | | | | Prep Batch | : 319807 |
| | | | Spike | LCSD LCS | | | | | | %Rec. | RPD |
| Analyte | | | Added | Result Qua | lifier | Unit | | | %Rec | Limits RP | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.447 | | mg/L | | | 89 | 50 - 120 | 9 26 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.463 | | mg/L | | | 93 | 64 - 120 | 8 24 |
| | LCSD LO | CSD | | | | | | | | | |
| Surrogate | %Recovery Q | ualifier | Limits | | | | | | | | |
| o-Terphenyl | 106 | | 50 - 150 | | | | | | | | |
| Lab Sample ID: MB 580-3199 | 907/1-A | | | | | | | | Client Sa | ample ID: Meth | od Blank |
| Matrix: Water | | | | | | | | | | Prep Type: | Total/NA |
| Analysis Batch: 319961 | | | | | | | | | | Prep Batch | : 319907 |
| | Μ | в мв | | | | | | | | | |
| Analyte | | It Qualifier | RL | | Unit | | D | | repared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | | D | 0.065 | | mg/L | | | | 1/19 09:35 | 01/02/20 14:07 | 1 |
| Motor Oil (>C24-C36) | N | D | 0.096 | 0.096 | mg/L | | | 12/3 | 31/19 09:35 | 01/02/20 14:07 | 1 |
| | | B MB | | | | | | | | | |
| Surrogate | | ry Qualifier | Limits | | | | | | repared | Analyzed | Dil Fac |
| o-Terphenyl | 7 | 79 | 50 - 150 | | | | | 12/3 | 81/19 09:35 | 01/02/20 14:07 | 1 |
| Lab Sample ID: LCS 580-319 | 907/2-A | | | | | | С | lient | Sample | ID: Lab Contro | I Sample |
| Matrix: Water | | | | | | | | | | Prep Type: | Total/NA |
| Analysis Batch: 319961 | | | | | | | | | | Prep Batch | : 319907 |
| | | | Spike | LCS LCS | ; | | | | | %Rec. | |
| Analyte | | | Added | Result Qua | lifier | Unit | | D | %Rec | Limits | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.442 | | mg/L | | | 88 | 50 - 120 | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.478 | | mg/L | | | 96 | 64 - 120 | |

| Lab Sample ID: LCS 580-319 | 9907/2-A | | | | | | | Cli | ient | Sample | ID: Lab C | ontrol S | ample |
|--------------------------------|-------------------|-------|-----------|----------|--------|------------|----------|---------|------|------------|-----------|----------|-----------------------|
| Matrix: Water | | | | | | | | | | | | Type: To | |
| Analysis Batch: 319961 | | | | | | | | | | | Prep | Batch: 3 | 319907 |
| | LCS | LCS | | | | | | | | | | | |
| Surrogate | %Recovery | Quali | ifier | Limits | | | | | | | | | |
| o-Terphenyl | 80 | | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: LCSD 580-3 | 19907/3-A | | | | | | с | lient S | Sam | ple ID: L | ab Contro | ol Samp | le Dur |
| Matrix: Water | | | | | | | | | | | | Type: To | |
| Analysis Batch: 319961 | | | | | | | | | | | Prep | Batch: 3 | 31 <mark>990</mark> |
| | | | | Spike | LCSD | LCSD | | | | | %Rec. | | RPI |
| Analyte | | | | Added | | Qualifier | Unit | | D | %Rec | Limits | RPD | Limi |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.428 | | mg/L | | | 86 | 50 - 120 | 3 | 2 |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.480 | | mg/L | | | 96 | 64 - 120 | 0 | 24 |
| | LCSD | LCSE | 0 | | | | | | | | | | |
| Surrogate | %Recovery | Quali | ifier | Limits | | | | | | | | | |
| o-Terphenyl | 79 | | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: MB 580-319 | 908/1-A | | | | | | | | | Client Sa | ample ID: | Method | Blanl |
| Matrix: Water | | | | | | | | | | | | Type: To | |
| Analysis Batch: 319958 | | | | | | | | | | | | Batch: 3 | |
| | | МВ | МВ | | | | | | | | | | |
| Analyte | Re | | Qualifier | RL | | MDL Unit | | D | | repared | Analy | | Dil Fa |
| #2 Diesel (C10-C24) | | ND | | 0.065 | | 0.065 mg/l | | | | 1/19 09:53 | 01/02/20 | | |
| Motor Oil (>C24-C36) | | ND | | 0.096 | (| 0.096 mg/l | - | | 12/3 | 1/19 09:53 | 01/02/20 | 13:45 | 1 |
| | | | МВ | | | | | | _ | | | | |
| Surrogate | %Reco | | Qualifier | Limits | | | | - | | repared | Analy | | Dil Fac |
| o-Terphenyl | | 81 | | 50 - 150 | | | | | 12/3 | 1/19 09:53 | 01/02/20 | 13:45 | 1 |
| Lab Sample ID: LCS 580-319 | 9908/2-A | | | | | | | Cli | ient | Sample | ID: Lab C | ontrol S | ample |
| Matrix: Water | | | | | | | | | | | Prep 1 | Type: To | otal/NA |
| Analysis Batch: 319958 | | | | | | | | | | | Prep | Batch: 3 | 31 <mark>990</mark> 8 |
| | | | | Spike | | LCS | | | | | %Rec. | | |
| Analyte | | | | Added | | Qualifier | Unit | | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.448 | | mg/L | | | 90 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | | 0.500 | 0.493 | | mg/L | | | 99 | 64 - 120 | | |
| | LCS | LCS | | | | | | | | | | | |
| Surrogate | %Recovery | Quali | ifier | Limits | | | | | | | | | |
| o-Terphenyl | 107 | | | 50 - 150 | | | | | | | | | |
| Lab Sample ID: LCSD 580-3 | 19908/3-4 | | | | | | ^ | liont 9 | Sam | | ab Contro | ol Samo | |
| Matrix: Water | | | | | | | Ŭ | | Jan | .p.o.id. E | | Type: To | - |
| Analysis Batch: 319958 | | | | | | | | | | | | Batch: | |
| | | | | Spike | LCSD | LCSD | | | | | %Rec. | | RPD |
| Analyte | | | | Added | Result | Qualifier | Unit | | D | %Rec | Limits | RPD | Limi |
| #2 Diesel (C10-C24) | | | | 0.500 | 0.456 | | mg/L | | _ | 91 | 50 - 120 | 2 | 20 |
| | | | | 0.500 | 0.483 | | mg/L | | | 97 | 64 _ 120 | 2 | 24 |
| Motor Oil (>C24-C36) | | | | 0.000 | 0.400 | | ing/L | | | 51 | 04 - 120 | 2 | 2- |
| Motor Oil (>C24-C36) | LCSD | LCSE |) | 0.000 | 0.400 | | ing/L | | | 51 | 04 - 120 | L | 2- |
| Motor Oil (>C24-C36) Surrogate | LCSD %Recovery | | | Limits | 0.400 | | | | | 31 | 04 - 120 | L | 27 |

 o-Terphenyl
 108
 50 - 150

Client Sample ID: 5-W-19-121719

Date Collected: 12/17/19 11:57

Date Received: 12/20/19 16:51

Matrix: Water

Lab Sample ID: 580-91663-1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab | |
|--|---|---|------------|-------------------------------------|--|--|--|--|--|
| Total/NA | | 3510C | Kuii | | 319807 | 12/30/19 09:37 | NRF | TAL SEA | |
| | Prep | | | 4 | | | | | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319981 | 01/03/20 14:34 | T1W | TAL SEA | |
| lient Sampl | e ID: 2A-W- | 41-121719 | | | | | La | ab Sample | D: 580-91663- |
| ate Collected: | 12/17/19 11:1 | 0 | | | | | | | Matrix: Wate |
| ate Received: | 12/20/19 16:5 [°] | 1 | | | | | | | |
| - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 319807 | 12/30/19 09:37 | NRF | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319981 | 01/03/20 14:56 | T1W | TAL SEA | |
| liont Sampl | | 410 424740 | | | | | | ah Samala I | D: 590 04662 |
| Client Sample | | | | | | | Lo | an Sample | D: 580-91663- |
| ate Collected: ate Received: | | | | | | | | | Matrix: Wate |
| | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | Kuii | | 319807 | 12/30/19 09:37 | NRF | TAL SEA | |
| Total/INA | • | NWTPH-Dx | | 1 | 319981 | 01/03/20 15:18 | T1W | TAL SEA | |
| | Analysis | | | | | | | ah Camala I | D. 590 04002 |
| | e ID: EW-2A | -121719 | | | | | La | ab Sample | |
| - Client Sample Date Collected: | e ID: EW-2A 12/17/19 15:5 | A-121719 5 | | | | | La | ab Sample | |
| Client Sample Date Collected: | e ID: EW-2A 12/17/19 15:5 | A-121719 5 | | Dilution | Batch | Prepared | La | ab Sample | |
| Client Sample Date Collected: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 | A- 121719 5 1 | Run | Dilution Factor | Batch Number | Prepared or Analyzed | La | ab Sample | |
| Client Sample Date Collected: Date Received: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 ⁻ Batch | A-121719 5 1 Batch | Run | | | • | | | |
| Client Sample Date Collected: Date Received: Prep Type | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 ⁻ Batch Type | A-121719 5 1 Batch Method | <u>Run</u> | | Number | or Analyzed | Analyst | Lab | |
| Client Sample Date Collected: Date Received: Date R | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis | A-121719 5 1 Batch Method 3510C NWTPH-Dx | Run | Factor | Number 319807 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wate |
| Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 | A-121719 5 1 Batch Method 3510C NWTPH-Dx 5-121719 | Run | Factor | Number 319807 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wate |
| Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 17:0 | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 | Run | Factor | Number 319807 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wate |
| Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 17:0 | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 | Run | Factor | Number 319807 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wate |
| Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 17:0 12/20/19 16:5 Batch | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 1 | Run | 1 | Number 319807 319981 | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wate |
| Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 17:0 12/20/19 16:5 Batch Type | A-121719 5 1 Batch Method 3510C NWTPH-Dx 5-121719 8 1 Batch | | 1 | Number 319807 319981 Batch | or Analyzed 12/30/19 09:37 01/03/20 15:40 | Analyst NRF T1W | TAL SEA TAL SEA TAL SEA | Matrix: Wate |
| Client Sample Date Collected: Date Received: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 17:0 12/20/19 16:5 Batch | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 1 Batch Method | | 1 | Number 319807 319981 Batch Number | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared or Analyzed | Analyst NRF T1W La | Lab TAL SEA TAL SEA TAL SEA TAL SEA | D: 580-91663- Matrix: Wate D: 580-91663- Matrix: Wate |
| Client Sample ate Collected: ate Received: Prep Type Total/NA Total/NA Client Sample ate Collected: pate Received: Prep Type Total/NA Total/NA | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 17:0 12/20/19 16:5 Batch Type Prep Analysis | A-121719 5 1 Batch Method 3510C NWTPH-Dx 5-121719 8 1 Batch Method 3510C NWTPH-Dx | | 1 | Number 319807 319981 Batch Number 319807 | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared or Analyzed 12/30/19 09:37 | Analyst NRF T1W La Analyst NRF T1W | Lab TAL SEA TAL SEA Ab Sample I Ab TAL SEA TAL SEA | Matrix: Wate |
| Client Sample Date Collected: Date Received: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 17:0 12/20/19 16:5 Batch Type Prep Analysis e ID: 1B-W-2 | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 1 Batch Method 3510C NWTPH-Dx 23-121719 | | 1 | Number 319807 319981 Batch Number 319807 | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared or Analyzed 12/30/19 09:37 | Analyst NRF T1W La Analyst NRF T1W | Lab TAL SEA TAL SEA Ab Sample I Ab TAL SEA TAL SEA | Matrix: Wate D: 580-91663- Matrix: Wate D: 580-91663- |
| Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Date Received: Date Received: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 16:5 Batch Type Prep Analysis e ID: 1B-W-1 12/17/19 14:3 | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 1 Batch Method 3510C NWTPH-Dx 23-121719 5 | | 1 | Number 319807 319981 Batch Number 319807 | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared or Analyzed 12/30/19 09:37 | Analyst NRF T1W La Analyst NRF T1W | Lab TAL SEA TAL SEA Ab Sample I Ab TAL SEA TAL SEA | Matrix: Wate D: 580-91663- Matrix: Wate D: 580-91663- |
| Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Date Received: Date Received: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 16:5 Batch Type Prep Analysis e ID: 1B-W-1 12/17/19 14:3 12/20/19 16:5 | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 1 Batch Method 3510C NWTPH-Dx 23-121719 5 1 | | 1 | Number 319807 319981 Batch Number 319807 319808 | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared or Analyzed 12/30/19 09:37 01/03/20 16:01 | Analyst NRF T1W La Analyst NRF T1W | Lab TAL SEA TAL SEA Ab Sample I Ab TAL SEA TAL SEA | Matrix: Wate D: 580-91663- Matrix: Wate D: 580-91663- |
| Client Sample Date Collected: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 16:5 Batch Type Prep Analysis e ID: 1B-W-7 12/17/19 14:3 12/20/19 16:5 Batch | A-121719 5 1 Batch Method 3510C NWTPH-Dx 5 1 Batch Method 3510C NWTPH-Dx 23-121719 5 1 Batch Batch | Run | Pactor 1 Dilution Factor 1 Dilution | Number 319807 319981 Batch Number 319807 319807 319808 Batch Batch | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared or Analyzed 12/30/19 09:37 01/03/20 16:01 Prepared | Analyst NRF T1W La Analyst NRF T1W | Lab TAL SEA TAL SEA Ab Sample I Lab TAL SEA TAL SEA TAL SEA | Matrix: Wate D: 580-91663- Matrix: Wate D: 580-91663- |
| Client Sample Date Collected: Date Received: Date Received: Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA | e ID: EW-2A 12/17/19 15:5 12/20/19 16:5 Batch Type Prep Analysis e ID: 5-W-56 12/17/19 16:5 Batch Type Prep Analysis e ID: 1B-W-1 12/17/19 14:3 12/20/19 16:5 | A-121719 5 1 Batch Method 3510C NWTPH-Dx 6-121719 8 1 Batch Method 3510C NWTPH-Dx 23-121719 5 1 | | 1 | Number 319807 319981 Batch Number 319807 319808 | or Analyzed 12/30/19 09:37 01/03/20 15:40 Prepared or Analyzed 12/30/19 09:37 01/03/20 16:01 | Analyst NRF T1W La Analyst NRF T1W | Lab TAL SEA TAL SEA Ab Sample I Ab TAL SEA TAL SEA | Matrix: Wate |

Client Sample ID: 5-W-55-121719

Date Collected: 12/17/19 16:18

Date Received: 12/20/19 16:51

Matrix: Water

Lab Sample ID: 580-91663-7

| | Batch | Batch | | Dilution | Batch | Prepared | | | |
|---|--|---|-----|---|--|---|--|---|--|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 15:34 | T1W | TAL SEA | |
| Client Samp | le ID: 5-W-14 | 1-121719 | | | | | La | ab Sample I | D: 580-91663 |
| Date Collected | | | | | | | | | Matrix: Wat |
| Date Received: - | | - | | | | | | | |
| | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 15:56 | T1W | TAL SEA | |
| Client Samp | le ID: 5-W-17 | 7-121719 | | | | | La | ab Sample I | D: 580-91663 |
| Date Collected | : 12/17/19 10:4 | 6 | | | | | | | Matrix: Wat |
| Date Received: | 12/20/19 16:5 | 1 | | | | | | | |
| | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 16:18 | T1W | TAL SEA | |
| - Client Samp Date Collected | le ID: 5-W-16 : 12/17/19 12:0 | 0 | | | | | Lat | o Sample ID | |
| - Client Samp Date Collected | le ID: 5-W-16 : 12/17/19 12:0 | 0 | | | | | Lat | o Sample ID | |
| - Client Samp Date Collected: Date Received: - | le ID: 5-W-16 : 12/17/19 12:0 : 12/20/19 16:5 ⁻ Batch | 0 1 Batch | | Dilution | Batch | Prepared | | | |
| Client Samp Date Collected Date Received: Prep Type | le ID: 5-W-16 : 12/17/19 12:0 : 12/20/19 16:5 ⁻ Batch Type | 0 1 Batch Method | Run | Dilution | Number | or Analyzed | Analyst | Lab | |
| - Client Samp Date Collected: Date Received: - | le ID: 5-W-16 : 12/17/19 12:0 : 12/20/19 16:5 ⁻ Batch | 0 1 Batch | Run | | | - | | | |
| Client Samp Date Collected Date Received: Prep Type | le ID: 5-W-16 : 12/17/19 12:0 : 12/20/19 16:5 ⁻ Batch Type | 0 1 Batch Method | Run | | Number | or Analyzed | Analyst | Lab | |
| Client Sampl Date Collected Date Received: Date Received: Total/NA Total/NA | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis | 0 1 Batch Method 3510C NWTPH-Dx | Run | Factor | Number 319907 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Samp Date Collected | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 | Run | Factor | Number 319907 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Samp Date Collected | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 | Run | 1 | Number 319907 319961 | or Analyzed 12/31/19 09:35 01/02/20 16:39 | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch | | 1 | Number 319907 319961 Batch | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared | Analyst NRF T1W | TAL SEA TAL SEA TAL SEA D Sample ID | Matrix: Wat |
| Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method | Run | 1 | Number 319907 319961 Batch Number | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed | Analyst NRF T1W Lat | Lab TAL SEA TAL SEA D Sample ID | Matrix: Wat |
| Prep Type Total/NA Client Sampl Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 : 12/20/19 16:5 Batch Type Prep Prep | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method 3510C | | 1 | Number 319907 319961 Batch Number 319907 | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 | Analyst NRF T1W Lat | - Lab TAL SEA TAL SEA D Sample ID | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Samp Date Collected: Date Collected: Date Received: | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method | | 1 | Number 319907 319961 Batch Number | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 | Analyst NRF T1W Lat | Lab TAL SEA TAL SEA D Sample ID | Matrix: Wat |
| Client Sampl Date Collected Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected Date Received: Prep Type Total/NA Total/NA | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type Prep Analysis | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method 3510C NWTPH-Dx | | 1 | Number 319907 319961 Batch Number 319907 | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 | Analyst NRF T1W Lat Analyst NRF T1W | - Lab TAL SEA TAL SEA D Sample ID - Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Total/NA Date Collected: Date Collected: Date Received: Date Received: Date Received: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type Prep Analysis le ID: 5-W-18 : 12/17/19 14:3 | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method 3510C NWTPH-Dx 3510C NWTPH-Dx 3510C NWTPH-Dx | | 1 | Number 319907 319961 Batch Number 319907 | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 | Analyst NRF T1W Lat Analyst NRF T1W | - Lab TAL SEA TAL SEA D Sample ID - Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Total/NA Date Collected: Date Collected: Date Received: Date Received: Date Received: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: Date Collected: | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type Prep Analysis le ID: 5-W-18 : 12/17/19 14:3 12/20/19 16:5 | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method 3510C NWTPH-Dx 3-121719 1 | | 1 | Number 319907 319961 Batch Number 319907 319907 319907 | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 01/02/20 17:01 | Analyst NRF T1W Lat Analyst NRF T1W | - Lab TAL SEA TAL SEA D Sample ID - Lab TAL SEA TAL SEA | Matrix: Wat |
| Client Sampl Date Collected Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected Date Received: Prep Type Total/NA Total/NA Client Sampl Date Collected Date Collected | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type Prep Analysis le ID: 5-W-18 : 12/17/19 14:3 12/20/19 16:5 Batch | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method 3510C NWTPH-Dx 3-121719 1 1 Batch Batch | Run | 11111 | Number 319907 319961 Batch Number 319907 319907 319907 319907 319907 319907 Batch | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 01/02/20 17:01 Prepared | Analyst NRF T1W Lat Analyst NRF T1W Lat | - Lab TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA D Sample ID | Matrix: Wat |
| Prep Type Total/NA Total/NA Total/NA Client Samp Date Collected: Date Received: Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type Prep Analysis le ID: 5-W-18 : 12/17/19 14:3 12/20/19 16:5 | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method 3510C NWTPH-Dx 3-121719 1 1 Batch Method | | 1 | Number 319907 319961 Batch Number 319907 319907 319907 319907 319907 Batch Number Number Number Number | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 01/02/20 17:01 Prepared or Analyzed | Analyst NRF T1W Lat NRF T1W Lat Analyst | Lab TAL SEA TAL SEA D Sample IC TAL SEA TAL SEA D Sample IC | 9: 580-91663-1 Matrix: Wate 9: 580-91663-1 Matrix: Wate 9: 580-91663-1 Matrix: Wate |
| Prep Type Total/NA Total/NA Total/NA Client Sampl Date Collected: Date Received: Total/NA Total/NA Total/NA Total/NA | le ID: 5-W-16 : 12/17/19 12:0 12/20/19 16:5 Batch Type Prep Analysis le ID: 2A-W-4 : 12/17/19 09:5 12/20/19 16:5 Batch Type Prep Analysis le ID: 5-W-18 : 12/17/19 14:3 12/20/19 16:5 Batch | 0 1 Batch Method 3510C NWTPH-Dx 40-121719 0 1 Batch Method 3510C NWTPH-Dx 3-121719 1 1 Batch Batch | Run | Tactor Dilution 1 Dilution | Number 319907 319961 Batch Number 319907 319907 319907 319907 319907 319907 Batch | or Analyzed 12/31/19 09:35 01/02/20 16:39 Prepared or Analyzed 12/31/19 09:35 01/02/20 17:01 Prepared | Analyst NRF T1W Lat Analyst NRF T1W Lat | - Lab TAL SEA TAL SEA D Sample ID TAL SEA TAL SEA D Sample ID | Matrix: Wat |

Dilution

Factor

Dilution

Factor

1

1

Run

Run

Batch

Number

319907

319961

Batch

Number

319907

319961

Prepared

or Analyzed

12/31/19 09:35

01/02/20 18:06

Prepared

or Analyzed

12/31/19 09:35

01/02/20 18:28

Analyst

Analyst

NRF

T1W

NRF

T1W

Lab

Lab

TAL SEA

TAL SEA

TAL SEA

TAL SEA

Client Sample ID: 2A-W-42-121819

Batch

Туре

Prep

Batch

Туре

Prep

Analysis

Client Sample ID: 1C-W-8-121819

Analysis

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

Date Collected: 12/18/19 14:23

Date Received: 12/20/19 16:51

Date Collected: 12/18/19 09:43

Date Received: 12/20/19 16:51

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Matrix: Water

Lab Sample ID: 580-91663-13

Lab Sample ID: 580-91663-14 Matrix: Water

Client Sample ID: GW-4-121819 Date Collected: 12/18/19 13:20

Matrix: Water

Lab Sample ID: 580-91663-15

Lab Sample ID: 580-91663-16

Lab Sample ID: 580-91663-17

Lab Sample ID: 580-91663-18

Matrix: Water

Matrix: Water

Matrix: Water

Date Received: 12/20/19 16:51

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 18:50 | T1W | TAL SEA |

Client Sample ID: 2A-W-9-121819

Date Collected: 12/18/19 17:00 Date Received: 12/20/19 16:51

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Prep TAL SEA Total/NA 3510C 319907 12/31/19 09:35 NRF Total/NA TAL SEA Analysis NWTPH-Dx 1 319961 01/02/20 19:11 T1W

Client Sample ID: 2A-W-10-121819

Date Collected: 12/18/19 15:55 Date Received: 12/20/19 16:51

| Prep T | уре | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---------|-----|---------------|-----------------|-----|--------------------|-----------------|-------------------------|---------|---------|
| Total/N | IA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA |
| Total/N | IA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 19:33 | T1W | TAL SEA |

Client Sample ID: 2A-W-100-121819 Date Collected: 12/18/19 16:05 Date Received: 12/20/19 16:51

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 19:55 | T1W | TAL SEA |

Client Sample ID: 1C-W-7-121819

Lab Sample ID: 580-91663-19

| Date Received: | 12/18/19 12:1 12/20/19 16:5 | | | | | | | | Matrix: Wate |
|--|--|--|----------|--------------------|---|--|--|--|--|
| - | | | | Dilution | Detab | Durana | | | |
| D | Batch | Batch | D | Dilution | Batch | Prepared | A | 1 - 1- | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | | |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 20:17 | T1W | TAL SEA | |
| lient Sampl | e ID: 1C-W- | 1-121819 | | | | | Lab | Sample I |): 580-91663-2 |
| ate Collected: | 12/18/19 10:4 | 7 | | | | | | | Matrix: Wat |
| ate Received: | 12/20/19 16:5 | 1 | | | | | | | |
| - | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 20:38 | T1W | TAL SEA | |
| - | - | | | | | | | | |
| lient Sampl | | | | | | | Lab | o Sample II |): 580-91663-2 |
| Date Collected: | | | | | | | | | Matrix: Wat |
| Date Received: | 12/20/19 16:5 | 1 | | | | | | | |
| | Batch | Batch | | Dilution | Batch | Prepared | | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA | |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 21:00 | T1W | TAL SEA | |
| | | | | | | | 1 | Comple II | |
| Client Sampl | e ID: 5-W-51 | 1-121819 | | | | | l ar |) Sample II | 1. 2XII-AJPP7- |
| | | | | | | | Lac | 5 Sample IL | |
| Date Collected: | 12/18/19 10:4 | 2 | | | | | Lac | o Sample IL | |
| Date Collected: | 12/18/19 10:4 | 2 | | | | | Lar | | |
| Date Collected: Date Received: | 12/18/19 10:4 12/20/19 16:5 Batch | 2 1 Batch | | Dilution | Batch | Prepared | | | |
| Client Sampl Date Collected: Date Received: Prep Type | 12/18/19 10:4 12/20/19 16:5 Batch Type | 2 1 Batch Method | Run | Dilution Factor | Number | or Analyzed | Analyst | Lab | D: 580-91663-2 Matrix: Wat |
| Date Collected: Date Received: | 12/18/19 10:4 12/20/19 16:5 Batch | 2 1 Batch <u>Method</u> 3510C | Run | | | or Analyzed | | Lab TAL SEA | |
| Date Collected: Date Received: Prep Type | 12/18/19 10:4 12/20/19 16:5 Batch Type | 2 1 Batch Method | Run | | Number | or Analyzed | Analyst | Lab | |
| Date Collected: Date Received: Prep Type Total/NA | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis | 2 1 Batch Method 3510C NWTPH-Dx | Run | Factor | Number 319907 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wat |
| Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sampl | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-3- | 2 1 Batch Method 3510C NWTPH-Dx 121919 | Run | Factor | Number 319907 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wat |
| Date Collected: Date Received: Prep Type Total/NA Total/NA | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-3- 12/19/19 10:4 | 2 1 Batch Method 3510C NWTPH-Dx 121919 5 | Run | Factor | Number 319907 | or Analyzed | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Sampl Date Collected: | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-3- 12/19/19 10:4 12/20/19 16:5 | 2 1 Batch Method 3510C NWTPH-Dx 121919 5 1 | Run | 1 | Number 319907 319961 | or Analyzed 12/31/19 09:35 01/02/20 21:22 | Analyst NRF T1W | Lab TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-3- 12/19/19 10:4 12/20/19 16:5 Batch | 2 1 Batch Method 3510C NWTPH-Dx 121919 5 1 Batch | | 1 | Number 319907 319961 Batch | or Analyzed 12/31/19 09:35 01/02/20 21:22 Prepared | Analyst NRF T1W | Lab TAL SEA TAL SEA Sample II | |
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| Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Date Received: Date Received: Date Sampl Total/NA Total/NA | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-3- 12/19/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-4- | 2 1 Batch Method 3510C NWTPH-Dx 121919 5 1 Batch Method 3510C NWTPH-Dx 121919 | | 1 | Number 319907 319961 Batch Number 319907 | or Analyzed 12/31/19 09:35 01/02/20 21:22 Prepared or Analyzed 12/31/19 09:35 | Analyst NRF T1W Lat Analyst NRF T1W | Lab TAL SEA TAL SEA Sample II Ab TAL SEA TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Date Received: Date Collected: Date Sampl Date Collected: Date Sampl Date Collected: Date Sampl Date Collected: Date C | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-3- 12/19/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-4- 12/19/19 11:5 | 2 1 Batch Method 3510C NWTPH-Dx 121919 5 1 Batch Method 3510C NWTPH-Dx 121919 0 | | 1 | Number 319907 319961 Batch Number 319907 | or Analyzed 12/31/19 09:35 01/02/20 21:22 Prepared or Analyzed 12/31/19 09:35 | Analyst NRF T1W Lat Analyst NRF T1W | Lab TAL SEA TAL SEA Sample II Ab TAL SEA TAL SEA TAL SEA | Matrix: Wat |
| Prep Type Total/NA Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA Total/NA | 12/18/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-3- 12/19/19 10:4 12/20/19 16:5 Batch Type Prep Analysis e ID: MW-4- 12/19/19 11:5 | 2 1 Batch Method 3510C NWTPH-Dx 121919 5 1 Batch Method 3510C NWTPH-Dx 121919 0 | | 1 | Number 319907 319961 Batch Number 319907 | or Analyzed 12/31/19 09:35 01/02/20 21:22 Prepared or Analyzed 12/31/19 09:35 | Analyst NRF T1W Lat Analyst NRF T1W | Lab TAL SEA TAL SEA Sample II Ab TAL SEA TAL SEA TAL SEA | Matrix: Wat D: 580-91663-2 Matrix: Wat |
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Prep

Analysis

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

NWTPH-Dx

Client Sample ID: 2B-W-4-121919

Date Collected: 12/19/19 09:38

Date Received: 12/20/19 16:51

Client Sample ID: MW-555

Date Collected: 12/19/19 11:25

Date Received: 12/20/19 16:51

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Matrix: Water

Lab Sample ID: 580-91663-25

Lab Sample ID: 580-91663-26 Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: 5-W-180-121719

Lab Sample ID: 580-91663-27 Matrix: Water

Lab Sample ID: 580-91663-28

Lab Sample ID: 580-91663-29

Date Collected: 12/17/19 14:41 Date Received: 12/20/19 16:51

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319907 | 12/31/19 09:35 | NRF | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319961 | 01/02/20 22:49 | T1W | TAL SEA |

Client Sample ID: GW-30-121919

Date Collected: 12/19/19 13:00

Date Received: 12/20/19 16:51

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 15:34 | T1W | TAL SEA |

Client Sample ID: GW-3-121919 Date Collected: 12/19/19 12:50

Date Received: 12/20/19 16:51

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 15:56 | T1W | TAL SEA |

Laboratory References:

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

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-91663-1

Laboratory: Eurofins TestAmerica, Seattle

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

| Authority | Program | Identification Number | Expiration Date |
|--------------------|-----------------------|-----------------------|-----------------|
| Alaska (UST) | State | 17-024 | 01-19-22 |
| ANAB | Dept. of Defense ELAP | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | L2236 | 01-19-22 |
| California | State | 2901 | 11-05-20 |
| Montana (UST) | State | NA | 04-13-21 |
| Oregon | NELAP | WA100007 | 11-06-20 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-17-00039 | 02-10-20 |
| Washington | State | C553 | 02-17-20 |

Sample Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 580-91663-1 | 5-W-19-121719 | Water | 12/17/19 11:57 | 12/20/19 16:51 |
| 580-91663-2 | 2A-W-41-121719 | Water | 12/17/19 11:10 | 12/20/19 16:51 |
| 580-91663-3 | 2A-W-410-121719 | Water | 12/17/19 11:05 | 12/20/19 16:51 |
| 580-91663-4 | EW-2A-121719 | Water | 12/17/19 15:55 | 12/20/19 16:51 |
| 580-91663-5 | 5-W-56-121719 | Water | 12/17/19 17:08 | 12/20/19 16:51 |
| 580-91663-6 | 1B-W-23-121719 | Water | 12/17/19 14:35 | 12/20/19 16:51 |
| 580-91663-7 | 5-W-55-121719 | Water | 12/17/19 16:18 | 12/20/19 16:51 |
| 580-91663-8 | 5-W-14-121719 | Water | 12/17/19 15:33 | 12/20/19 16:51 |
| 580-91663-9 | 5-W-17-121719 | Water | 12/17/19 10:46 | 12/20/19 16:51 |
| 580-91663-10 | 5-W-16-121719 | Water | 12/17/19 12:00 | 12/20/19 16:51 |
| 580-91663-11 | 2A-W-40-121719 | Water | 12/17/19 09:50 | 12/20/19 16:51 |
| 580-91663-12 | 5-W-18-121719 | Water | 12/17/19 14:31 | 12/20/19 16:51 |
| 580-91663-13 | 2A-W-42-121819 | Water | 12/18/19 14:23 | 12/20/19 16:51 |
| 580-91663-14 | 1C-W-8-121819 | Water | 12/18/19 09:43 | 12/20/19 16:51 |
| 580-91663-15 | GW-4-121819 | Water | 12/18/19 13:20 | 12/20/19 16:51 |
| 580-91663-16 | 2A-W-9-121819 | Water | 12/18/19 17:00 | 12/20/19 16:51 |
| 580-91663-17 | 2A-W-10-121819 | Water | 12/18/19 15:55 | 12/20/19 16:51 |
| 580-91663-18 | 2A-W-100-121819 | Water | 12/18/19 16:05 | 12/20/19 16:51 |
| 580-91663-19 | 1C-W-7-121819 | Water | 12/18/19 12:12 | 12/20/19 16:51 |
| 580-91663-20 | 1C-W-1-121819 | Water | 12/18/19 10:47 | 12/20/19 16:51 |
| 580-91663-21 | 1B-W-3-121819 | Water | 12/18/19 11:50 | 12/20/19 16:51 |
| 580-91663-22 | 5-W-51-121819 | Water | 12/18/19 10:42 | 12/20/19 16:51 |
| 580-91663-23 | MW-3-121919 | Water | 12/19/19 10:45 | 12/20/19 16:51 |
| 580-91663-24 | MW-4-121919 | Water | 12/19/19 11:50 | 12/20/19 16:51 |
| 580-91663-25 | 2B-W-4-121919 | Water | 12/19/19 09:38 | 12/20/19 16:51 |
| 580-91663-26 | MW-555 | Water | 12/19/19 11:25 | 12/20/19 16:51 |
| 580-91663-27 | 5-W-180-121719 | Water | 12/17/19 14:41 | 12/20/19 16:51 |
| 580-91663-28 | GW-30-121919 | Water | 12/19/19 13:00 | 12/20/19 16:51 |
| 580-91663-29 | GW-3-121919 | Water | 12/19/19 12:50 | 12/20/19 16:51 |

Eurofins TestAmerica, Seattle

5755 8th Street East Tacoma, WA 98424 Phone: 253-922-2310 Fax: 253-922-5047

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E R R Re

Chain of Custody Record

TestAmerica

Ver: 01/16/2019

| Client Information | Sampler (C. B. | anfield | | | PM: en, Kris | stine I | 5 | | | **** | | | | | | | | | COC No: 580-36968-11852.1 | | |
|--|---|-------------|----------------|----------------------------------|--------------------------------|-----------------------------|-----------|---------------------|------------|----------|-------------|------------|-----------------|--------------------|-------------------------------|---------------|-----------|-------------------------------|------------------------------|-------------------------|----------|
| Client Contact: Peter Kingston | Phone: 425 | 3914 4 | 146 | E-M kris | | len@ | testam | ericair | 30 001 | n | | | | | | | | Page: | | | |
| Company: Farallon Consulting LLC | | | <u> </u> | | Τ | | (Cottanna | | | | l | | | | ······ | | | Page 1 of 3 Job #: | | | |
| Address: 975 5th Avenue NW Suite 100 | Due Date Reque | sted: | | | | | ТТ | Т | Anai | lysis | Req | ues | ted | | | | 1200 | Preservation | Codes | | |
| Dity: | TAT Requested (| (days): | | | $\left \right $ | | | | | | | | | | | | | A - HCL | | Hexane | |
| ssaquah tate, Zip: | - STAN | STANDARD | | | | õ | | | | | | | | | | | | B - NaOH C - Zn Acetate | | None AsNaO2 | |
| VA, 98027 | PO# | | | | | 44TW | | | | | | | | | | | | D - Nitric Acid E - NaHSO4 | Q- | Na2O4S Na2SO3 | |
| none: 425 295 - 0800 | TT0100-Q11 | | | | | for N | | | | | | | | | | | | F - MeOH G - Amchlor | S - I | Na2S2O3 H2SO4 | |
| kingston@farallonconsulting.com | WO #: Tax Code 880 | 0 BF1000721 | 5 | | e (Yas or No es or No) | reporting list for NWTPH-Dx | | | | | | | | | | | | H - Ascorbic Ac I - Ice | Ų-/ | TSP Dodecahj Acetone | ydrate |
| oject Name: NSF Skykomish NPDES | Project #: 58005923 | | | | 10 | portir | | | | | | | | | Ì | | 200 | J - DI Water K - EDTA | W - | MCAA pH 4-5 | |
| te: /ashington | SSOW#: | | | | Sample (ISD (Yes | ard re | | | | | | | | | | | contali | L - EDA Other: | Z - 0 | other (specify) | |
| | | 1 1 | | Ϊ | d Sar | Standard | | | | | | | | | | | ofc | | | | |
| | | | Sample Type | Matrix (w=water, | Field Filtered Perform MS/N | ă | | | | | | | | | | | mber | | | | |
| ample Identification | | | (C=comp, | S=solid, O=waste/oil, | eld F | NWTPH | | | | | | | | | | | al Nu | | | | ľ |
| | Sample Date | Time | | BT=Tissue, A=Air) ation Code: | WHY STORY | ≩ A | | | | | | | 10.5500 x800 | 55/0 4 6656 | 88 - 83 G | 1.2.1 1948524 | Total | Specia | l Instruc | tions/Note |): |
| 5-10-19-121719 | 12/17/19 | 1157 | G | Water | Δ | A V | | | | | AND AL | | | | | | Å | | | | |
| 2A-W-41-121719 | | 1110 | <u> </u> | Water | | | | | + | | _ | | | | | | | | | <u></u> | |
| 2A-10-410-1217-19 | | 1105 | | Water | | $\left \right $ | | | | | | | | _ | | | \square | | | | |
| EW-2A-121719 | · | 1555 | | Water | | $\left \cdot \right $ | | | | | | + | | _ | | | | | | | |
| 5-10-56-121719 | | 1708 | | Water | | | | + | ╉╌╴╢ | | | | | | | | | | | | |
| 1B-W-23-121719 | | 1435 | - [] | Water | | + | | | ┟╌┥ | | | | | | | | | | | | |
| 5-6-55-121719 | | 1619 | | Water | | + | | | ┨───┤ | | | | | | | | | | | | |
| 5-14-121719 | | 522 | + | Water | | $\left - \right $ | | | ┟╴╷ | | | 580- | 9166 | 3 Cł | nain o | f Cut | stody | | | | |
| 5-W-17-121719 | | | ++ | Water | | ╋╋ | | <u> </u> | | | | 1 | ı | - <u>-</u> | | 1¥ | ane ment | | · . · · | | |
| $\frac{1}{5} = \frac{1}{2} + \frac{1}$ | | 046 | + + | | ╶┨╴┦ | ++ | | ļ | | | | _ | | - | ļ | | | | | | |
| 2A-W-40-121719 | | 0950 | } | Water | | | | | | | | _ | _ | | <u> </u> | | | | | | |
| sible Hazard Identification | | 01301 | V- | Water | | X | <u></u> | | | | | | | | <u> </u> | | | | | | |
| Non-Hazard Flammable Skin Irritant | Poison B 🔲 Unkno | own 🗁 Ra | diological | | | | urn To | 11 (A Clien | tee m t | iay be | asse]] | esse | d if s By Li | ampi | les ar [| | | longer than e For | | | |
| verable Requested: I, II, III, IV, Other (specify) | | | | | Spec | cial in | structio | ns/Q | C Rec | quirem | ents: | 054 | by Li | aD | | <u> </u> | rcnive | e For | Mo | onths | |
| ty Kit Relinquished by: | I | Date: | | , in | ime: | · · · | | | | | | Me | hod of | Shipn | nent: | | | | | | |
| wished by Chut Ut a fre he | Date/Time: | a | lc | ompany | R | Receive | d by: (| 05 | Pa | - 11 | | | | | /Time: | | | 10120 | Compa | INY La V | |
| quished by B Q. Rowly | Date/Time: | | | ompany | R | eceive | d by: | -17 | 7. | <u> </u> | | | | 1- | 2 <u>č</u> (Ti ng : | | | 10:20 | Comme | 1)(X | |
| quished by: | Date/Time: | 1 10 | | ompany | R | | d by | T | w | - | | | | - | /Time: | 2.1. | 1 | 166-1 | _ | Bei | |
| ustody Seals Intact: Custody Seal No.: | | | | | | | <u> </u> | | | · | | | | L'aie | inne: | | | | Compa | ny | |
| Δ Yes Δ No | ~ : : : : : : : : : : : : : : : : : : : | | | | 1.11 | 1.17 | emperat | ure(s) ⁽ | °C and | Other F | temark | S : | | | | | | | | | |
| | | | | Page 4 | 3 of 7 | 49 | | ****** | | | | | | | | | | | Vor 0 | 1/1//2020 | <u> </u> |

Eurofins TestAmerica, Seattle

5755 8th Street East Tacoma, WA 98424 Phone: 253-922-2310 Fax: 253-922-5047

Chain of Custody Record

| 🔅 eurofins | Environe |
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Environment Testing TestAmerica

5

| Client Information | Sampler: | Brint | ıld | A | ib PM: Ilen, Kris | stine | D | | | | | Car | Carrier Tracking No(s): | | | | | COC No: 580-36968-11852.2 | | | |
|---|-------------------|--------------------|---------------------|--------------------------------|--|------------------|--------|----------|----------------|---------|------|----------------|-------------------------|-------------|--------|----------------------|--|------------------------------|--|------------------------|---------------------------------------|
| Peter Kingston | Phone: 42 | 5 39 | 4 41 | LIC K | | | | | 1 | | | | | | | Page: Page 2 of 3 | | | | | |
| Company: Farallon Consulting LLC | | <u> </u> | <u> </u> | | | | | | | | | | | | | | | | | | |
| ddress: | Due Date Reques | sted: | · | | Analysis Req | | | | que | uested | | | | | | | | | | | |
| 175 5th Avenue NW Suite 100 | TATO | | | | | | | | | | | | | | | Preservation (| | | | | |
| ssaquah | TAT Requested (| days): | | | | | | | | | | | | | | | | | A - HCL B - NaOH | M - Hexan N - None | e |
| tate, Zip. VA, 98027 | I DIA | STANDARD | | | | D-H- | | | | | | | | | | | | | C - Zn Acetate D - Nitric Acid | O - AsNaO P - Na2O4 | |
| | PO#: | <u> </u> | 1 01-1 | | _ | EMA | | | ľ | | | | | | | | | | E - NaHSO4 F - MeOH | Q - Na2SO | 3 |
| hone: 425-295-0800 | TT0100-Q11 | | | | tor | | | | | | | | | | | l | | G - Amchior | R - Na2S20 S - H2SO4 | ł | |
| kingston@farallonconsulting.com | | | | No. No | g list | | | | | | | | | | | | H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone | | | | |
| oject Name: NSF Skykomish NPDES | Project #: | | | | Ves. | | | | | | | | | | | | | 218 | J - DI Water K - EDTA | V - MCAA W - pH 4-5 | |
| te: | 58005923 SSOW# | | | | | d reg | | | | | | | | | | | | tain | L - EDA | Z - other (s | |
| /ashington | | | | | ling of | Indar | | | | | | | | | Í | | | 1.3 | Other: | | |
| | | | Sample | Matrix | Eleid Filtered Sample (Perform MS/MSD (Yes | -St | | | | | | | | | | | | ber of | | | |
| | | | Type | (₩=water, S≈solid, | B E | Ĝ Ŧ | | | | | | | | | | ĺ | | Total Number | | | |
| ample Identification | Sample Date | Sample Time | (C=comp, G≡grab) | O=waste/oil, BT=Tissue, A=A | Be | Hdtwn | | | ĺ | | | | | | | | | | | | |
| | \sim | \sim | Preserva | tion Code: | | Ā | | | | | | | | | 200100 | 8382 X | 00000 | <u>8</u> | Special | nstructions | /Note: |
| 5-6-18-121219 | 12/17/19 | 1431 | G | Water | fΥ | X | | | | | | | | | | | | <u> </u> | | | |
| 2A-W-42-121019 | 12/18/19 | | <u>`</u> | | ┥╂━ | | | | | | | | | | | | | | | | |
| | 141014 | 1423 | | Water | | 4 | | | | | | | | | | | | | | | |
| 10 - 6 - 121 + 919 | <u> </u> | 0943 | | Water | | | | | | | | | | | | | 1000 | | | | |
| 610-3-121019 | | 1530 | | Water | | | | T | | | | | | - | | | | | ······································ | | |
| <u>GW-4-121919</u> | | 1320 | | Water | | | | | +- | | | - | | | + | | | | | | |
| 2A-W-9-171819 | | 1700 | -1-1 | Water | | -++ | | | | + | | -+ | | | | | | | | | |
| 2A-W-10-121919 | ┼──┼───┥ | | | | H | | | | | ╉╌╌┨ | | | | <u> </u> | | | | | | | |
| | | 1955 | | Water | ┡╢┥ | | | | | | | | - | | _ | | | | | | |
| 2A-W-100-11819 | ┠────┣────┥ | 1605 | | Water | | | | | | | | | | | | | | | | | |
| 10 - 10 - 7 - 121819 | | 1212 | | Water | | | | 1 | | | | | Τ | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| 16 - 10 - 1 - 12121919 | | 1047 | | Water | | | | | 1 | | | | + | | | | | | | | |
| 1B-W-3-121819 | \mathbf{P} | 11577 | * | Water | ┝╴╉╼╾┼ | ¥, | | | | ┼─┤ | | | | | | _ | | | | | |
| ssible Hazard Identification | | <u> </u> | <u> </u> | | | | Disno | sal() | 4 fag | | | | | | | | | | | | |
| Non-Hazard Flammable Skin Irritant Pois | on B 💭 Unkno | wn 🗆 _{Re} | adiological | | | D _{Ret} | turn T | o Clie | n iee : int | | | sesse sposa | | samp Loh | pies | arer | | | longer than 1 | | |
| verable Requested: 1, 11, 11, 1V, Other (specify) | | | | | Sper | cial In | struc | tions/0 | 2C Re | quire | ment | s;: | и Ду | LaD | | | AIC | nive | For | Months | |
| oty Kit Relinquished by: | | Date: | | | Time: | | | | | | | м | ethod | of Ship | mont | | | | | | |
| quished by: (wtubbles | Date/Time: | | C | ompany | | Receive | d by | <u> </u> | | | | | Stille | | te/Tim | | | | | - | |
| quished by: | Date/Time: | 19 | | F | | Receive | | | R | Pa | r | 1 | | | | اند. مرجع | 19 | 10 | 5.20 | Company PC | \sim] |
| | 12/20/19 | 16:5 | า [ี | Dex 200 | F | teceive | d by: | wH | We | | | | | | | 200 | | | ASez | Com 51 | <u> </u> |
| quished by: | Date/Time: | | | mpany | | eceive | | 10 | • • • • | - | | | | | e/Tim | | . * | | 1 Jed | Company | |
| stody Seals Intact: Custody Seal No.: | | | **** | | | | | | | | | | | <u> </u> . | | | | | | - an polity | 1 |
| Δ Yes Δ No | | | | | lc lc | ooler T | emper | rature(s |) °C an | d Other | Rema | irks: | 94 B.T | <u> 197</u> | 3.000 | | | | | | MAN SALEN |

Eurofins TestAmerica, Seattle

Chain of Custody Record

🔅 eurofins

Environment Testing TestAmerica

Tacoma, WA 98424 Phone: 253-922-2310 Fax: 253-922-5047

5755 8th Street East

Ca.

| Client Information | Sampler | antie | 0 el | | PM: en, Krist | tine D | | | | | Carri | er Traci | king No | (5): | | | COC No: 580-36968-11 | 950.0 | |
|--|--------------------------------|------------|------------------|---------------------------------------|--------------------------------------|-----------------------------|-----------|-----------------|--------------|--------------|---------------------------------------|-----------------|--------------------|------------------|--|----------------|-------------------------------|---------------------------------------|----------|
| Client Contact: Peter Kingston | Phone: | 12530 | 74/11 | | lail: | | stameric | | | | 1 | | | | | | Page: | 052.5 | |
| Company: Farallon Consulting LLC | | | 44 | 40 | | snite | Stamerik | | | _ | L | | | | | | Page 3 of 3 Job #: | | |
| Address: | Due Date Reque | sted: | | | | | | An | nalysi | s Red | ques | ted | | | | | Preservation C | odes: | |
| 975 5th Avenue NW Suite 100 City: | TAT Requested (| (davs): | | | - | | | | | | | | | | | | A - HCL | M - Hexane | 3 |
| issaquah State, Zip: | | SDA | 20 | | | ă | | | | | | | | | | | B - NaOH C - Zn Acetate | N - None O - AsNaO2 | 2 |
| WA, 98027 | JIM | NOT | KU | | | НЦ | | | | | | | | | | | D - Nitric Acid E - NaHSO4 | P - Na2O4S Q - Na2SO3 | |
| Phone: 425-295-0800 | PO#: TT0100-Q11 | | | | 1 | or NV | | | | | | | | | | | F - MeOH G - Amchior | R - Na2S2C S - H2SO4 |)3 |
| Email: pkingston@farallonconsulting.com | WO #: | | | | N. | i list | | | | ĺ | | | | | | 1 | H - Ascorbic Acid I - Ice | T - TSP Doc U - Acetone | |
| Project Name: | Tax Code 8800 Project #: | 0 BF100072 | 15 | | Yes or or No) | reporting list for NWTPH-Dx | | | | | | | | | | 5 | J - DI Water K - EDTA | V - MCAA W - pH 4-5 | |
| BNSF Skykomish NPDES site: | 58005923 SSOW#: | | | | Tele () (Yels (| | | | | | | Ī | | | | 2 | L - EDA | Z - other (sp | ecify) |
| Nashington | 0001110 | | | | Sami SD (| andar | | | | | | | | | | otco |)ther: | | |
| | | | Sample | Matrix | Field Filtered Sam Perform NS/MSD | NWTPH_Dx - Standard | ł | | | | | | | | | - let | ****** | | |
| | | Sample | Type (C≈comp, | (₩≂water, S≂solid, O≃waste/oii, | d FIN | Ha | | | | | | | ĺ | | | 2 | | | |
| Sample Identification | Sample Date | | G=grab) | BT=Tissue, A=Air) | 1 Will' "BRIGT | MISSINGA 20 | | | | | | | | | | Total | Special | nstructions/ | Note: |
| E 1. 51 121210 | 12/10/10 | Tok in | | tion Code: | ΡΆ | A | | | | | | | | | | XL | | | |
| 5-10-51-121819 | 12/18/19 | 1042 | G | Water | ┟┠╌┤ | <u>x</u> | | | _ | | | | | | | | | | |
| mw-3-121919 | 12/19/19 | 1045 | | Water | | \square | | | | | | | | | 50 (Briefs) 1903-2 | | | | |
| MW-4-121919 | $ \downarrow \dot{\downarrow}$ | 1150 | | Water | | | | | | | | | | | 1213 | | | | |
| 213-10-4-121919 | | 09.38 | | Water | | | | | | | | | | | and the second second second second second second second second second second second second second second second | | ····· | | |
| MW-555 | H H | 1125 | 7 | Water | | V | | | | | | | 1 | | 100000 | | | | |
| 5-6-400-1217-19 | 12/17/19 | 1441 | TV I | Water | | 11 | | | | | | | | | 1000 | | | ······ | |
| GW-30-121919 | 121914 | 1300 | | Water | | \mathbf{V} | | | | ╞╼╌╊ | | | | ╞╼┼ | | | | · · · · · · · · · · · · · · · · · · · | |
| Gw-3-121919 | HKH, | 1250 | J. | Water | | 11- | | | | ┝╌┼ | | | + | ┼╌┼ | | | | | |
| | | | | | | ▶ | | | | ┝╍╌┼ | _ | | | $\left \right $ | | | | · · · · · · · · · · · · · · · · · · · | |
| | | | | | | | | | | | | | + | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| ossible Hazard Identification | | | | | | nia Di | | | | | | | <u> </u> | | | | | | |
| Non-Hazard Flammable Skin Irritant Pois | on B 💭 Unkn | own 🗆 R | Radiological | | |] Retu | im To Ci | lient | e may i C | De as Dis | sesse | eants. IRvi: | атр ю ал | s are | Arc | ned i chive | longer than 1 | month) Months | |
| eliverable Requested: I, II, III, IV, Other (specify) | | | | | Spec | ial Ins | tructions | s/QC F | Require | ments | 9: 9: | <i>,</i> | | | | sinve | 101 | wonuns | |
| npty Kit Relinquished by: | | Date: | | T | Time: | | | - | | | Me | ethod of | Shipm | ent: | | | | | |
| linguished by: | Date/Time | olia | c | Company | R | eceived | i by: | 0 | 2 | . () | | | Date/ | Time: | | <u> </u> | 10:20 | Company | |
| linguished by: D. Rowell | Date/Time: | = 1 + 1 | SI C | ompany 5 | R | eceived | ГБУ. Л | U.I. | Bu | <u> </u> | | | | Time | | | 1651 | Company | = |
| | 0/20119 10:31 Dix | | | Knightling- | | | | Date/Time 20.19 | | | | - | 18.441 | | · / | | | | |
| inquished by: | Date/Time: | [[0. | | ompany | R | eceived | by: | with | | | | | Date/ | | | | 10-51 | Company | 2 |
| Inquished by: Custody Seals Intact: Custody Seal No.: | Date/Time: | 1 10. | | | R | ecleived | by: | | | | · · · · · · · · · · · · · · · · · · · | | | | | | 10-31 | Company | <u>a</u> |

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| 3.5 • Unc: 3.6 • Inertian Inertual Inertual Inertual Inertual Inertual Intertual Inertual Inertual Intertual Inertual Inertual Intertual Intertual Intertual Intertual Intertual Intertual | -: 2.5. t'ne: Q.7. FedEx: | 22 • Inc. 23 • FedEx: BN3F 91UU4 UPS: BN3F 91UU4 Uber: PORMER MANUE Other: Proprint Manue Proprint Ports Proprint Ports P | r: 4-15.08 tine: 2.1 ° FedEx: | Cor: Laboratory all U U 4 FedEx: all U U 4 No Lab Cour: None Lab Cour: | Cor: 1.1.3 (inc. 1.4 ° 2.20-14 PW FedEx: No (1PS: None (1PS: None Other: | |
|--|--|--|---|--|--|----------|
| Therm. ID: A. Corr. 3.5 ° Unc: Cooler Dsc: 13.6 Corr. 3.5 ° Unc: Packing: 14.6 Corr. 178 ; Cust. Scal: Yes. Not 178 ; Utern. ID: 10 Corr. 10 Conr. Blue Ice, Wet, Dry, None 14.6 Courr. Packing: 14.6 Corr. 178 ; Cust. Scal: Yes. <u>No</u> 178 ; Blue Ice, Wet, Dry, None 146 ; | Therm. ID: A L. Corr. C.C. Concert. Disc. Cooler Dsc. FedEx: Packing: Curs. Leb. Cast. Seal: Ves. No. UPS: Cast. Seal: Ves. No. UPS: Blue Ice, Wet, Dry, None UBB: Cooler Dsc. FedEx: Cast. Seal: Ves. No. Uner: Cooler Dsc. FedEx: Packing: Corr. J.J. Cooler Dsc. FedEx: Packing: US Blue Ice, Wet, Dry, None UBB: | 1 2 5 3 5 7 10 1 | Therm. ID: ID: ID: ID: ID: Cooler Dsc: 12-3 12-3 Packing: 17-8: Cust. Seal: Ves 17-8: Cust. Seal: Ves 12ab Cour Blue Ice, Wet, Dry, None 0ther: | Therm. ID: A Cor: Curt of United Sectors Cooler Dsc: Cooler Dsc: Cooler Dsc: Cor: Curt of Cooler Data Seal: Yes No Cooler | Therm. JD: All Cort All 3 (Cooler Dsc: | 1/7/2020 |

Client: Farallon Consulting LLC

Login Number: 91663 List Number: 1

Creator: Vallelunga, Diana L

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

List Source: Eurofins TestAmerica, Seattle

1 2 3 4 5 6 7 8 9 10 11 12

Presley, Kim

| From: Sent: | Peter Kingston <pkingston@farallonconsulting.com> Monday, December 23, 2019 6:22 PM</pkingston@farallonconsulting.com> |
|----------------|--|
| То: | Presley, Kim |
| Cc: | Jeanette Mullin; Allen, Kristine; Matthew Bowser |
| Subject: | Re: REPLY REQUESTED**Eurofins TestAmerica Sample Login Confirmation files from 580-91663 BNSF Skykomish Ground Water |

-External Email-

We want the last three samples analyzed
 the sample ID should not include the date.

Thanks Kim!

On Dec 23, 2019 5:20 PM, Kim Presley <<u>kim.presley@testamericainc.com</u>> wrote:

Please confirm the following:

1.) The last three samples were crossed off the COC however containers were provided for analysis. Do you want these analyzed?

2.) The sample ID for one sample does not include the sample date as it does on the rest of the samples. It has been logged per the COC for now. Is this sample ID correct?

Attached, please find the Sample Confirmation files for job 580-91663; BNSF Skykomish Ground Water

Please feel free to contact me or your PM, Kristine Allen, if you have any questions.

Thank you.

Kim A Presley Project Manager Assistant

Eurofins TestAmerica, Seattle Phone: 253-922-2310

E-mail: <u>kim.presley@testamericainc.com</u> www.eurofinsus.com | www.testamericainc.com



Reference: [580-317175] Attachments: 2

Please let us know if we met your expectations by rating the service you received from Eurofins TestAmerica on this project by visiting our website at: <u>Project Feedback</u>

🛟 eurofins

Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-91663-2

Client Project/Site: BNSF Skykomish Ground Water Sampling Event: Skykomish HCC System

For:

..... Links

Review your project results through

Total Access

Have a Question?

Ask-

The

www.testamericainc.com

Visit us at:

Expert

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Knistine D. allen

Authorized for release by: 1/17/2020 1:55:02 PM

Kristine Allen, Manager of Project Management (253)248-4970 kristine.allen@testamericainc.com

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

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

Table of Contents

| Cover Page | 1 |
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| QC Sample Results | 7 |
| Chronicle | 8 |
| Certification Summary | 9 |
| Sample Summary | 10 |
| Receipt Checklists | 11 |

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-91663-2

Comments

No additional comments.

Receipt

The samples were received on 12/20/2019 4:51 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 10 coolers at receipt time were 0.6° C, 0.6° C, 0.8° C, 1.3° C, 1.3° C, 2.0° C, 2.2° C, 2.2° C, 2.3° C and 3.5° C.

Receipt Exceptions

The following samples were activated for Silica Gell Clean up by the client on 1-8-20: 2A-W-41-121719 (580-91663-2) and GW-3-121919 (580-91663-29). This analysis was not originally requested on the chain-of-custody (COC).

GC Semi VOA

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.

Definitions/Glossary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-91663-2

| 4 |
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| 8 |
| 9 |
| |

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

Client Sample ID: 2A-W-41-121719 Date Collected: 12/17/19 11:10

Date Received: 12/20/19 16:51

Lab Sample ID: 580-91663-2 Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.098 | | 0.062 | 0.062 | mg/L | | 12/30/19 09:37 | 01/15/20 21:40 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 12/30/19 09:37 | 01/15/20 21:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 86 | | 50 - 150 | | | | 12/30/19 09:37 | 01/15/20 21:40 | 1 |

Client Sample ID: GW-3-121919 Date Collected: 12/19/19 12:50

Date Received: 12/20/19 16:51

Job ID: 580-91663-2

Lab Sample ID: 580-91663-29 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/15/20 21:18 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 12/31/19 09:53 | 01/15/20 21:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 69 | | 50 - 150 | | | | 12/31/19 09:53 | 01/15/20 21:18 | 1 |

RL

0.065

0.096

Limits

50 - 150

MDL Unit

0.065 mg/L

0.096 mg/L

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

MB MB

MB MB Qualifier

ND

ND

84

%Recovery

Result Qualifier

Lab Sample ID: MB 580-319908/1-B

Lab Sample ID: LCS 580-319908/2-B

Matrix: Water

#2 Diesel (C10-C24)

Motor Oil (>C24-C36)

Analyte

Surrogate

o-Terphenyl

Matrix: Water

Analysis Batch: 320760

Prep Type: Total/NA

Prep Batch: 319908

Dil Fac

Dil Fac

1

1

Client Sample ID: Method Blank

Analyzed

01/15/20 20:13

01/15/20 20:13

Analyzed

| 6 | |
|---|--|
| | |
| 8 | |
| 9 | |
| | |

| 12/31/19 09:53 | 01/15/20 20:13 | 1 |
|-----------------|----------------|--------|
| Client Sample I | D: Lab Control | Sample |

Prepared

12/31/19 09:53

12/31/19 09:53

Prepared

D

Prep Type: Total/NA Prop Batch: 319908

| Analysis Batch: 320760 | | | | | | | Prep | Batch: 319908 |
|------------------------|-------|--------|-----------|------|---|------|----------|---------------|
| | Spike | LCS | LCS | | | | %Rec. | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| #2 Diesel (C10-C24) | 0.500 | 0.462 | | mg/L | | 92 | 50 _ 120 | |
| Motor Oil (>C24-C36) | 0.500 | 0.516 | | mg/L | | 103 | 64 _ 120 | |

| | LCS | LCS | |
|-------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| o-Terphenyl | 113 | | 50 - 150 |

| Lab Sample ID: LCSD 580-319908/3-B Matrix: Water Analysis Batch: 320760 | | | | | Clie | ent San | nple ID: | | ol Sampl ype: To Batch: 3 | tal/NA |
|---|----------------|---------|--------|-----------|------|---------|----------|----------|---------------------------------|--------|
| | | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | 0.500 | 0.479 | | mg/L | | 96 | 50 - 120 | 4 | 26 |
| Motor Oil (>C24-C36) | | 0.500 | 0.511 | | mg/L | | 102 | 64 - 120 | 1 | 24 |
| L | CSD LCSD | | | | | | | | | |
| Surrogate %Peco | vory Qualifior | l imite | | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits |
|-------------|-----------|-----------|----------|
| o-Terphenyl | 108 | | 50 - 150 |

Matrix: Water

Matrix: Water

Lab Sample ID: 580-91663-2

Lab Sample ID: 580-91663-29

2 3 4 5 6 7

Client Sample ID: 2A-W-41-121719 Date Collected: 12/17/19 11:10 Date Received: 12/20/19 16:51

| Γ | | | | | | | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| | Batch | Batch | | Dilution | Batch | Prepared | | |
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319807 | 12/30/19 09:37 | NRF | TAL SEA |
| Total/NA | Cleanup | 3630C | | | 319866 | 01/14/20 18:19 | NRF | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 320760 | 01/15/20 21:40 | JCM | TAL SEA |

Client Sample ID: GW-3-121919 Date Collected: 12/19/19 12:50 Date Received: 12/20/19 16:51

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Cleanup | 3630C | | | 320652 | 01/14/20 18:18 | PRO | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 320760 | 01/15/20 21:18 | JCM | TAL SEA |

Laboratory References:

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

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

Job ID: 580-91663-2

Laboratory: Eurofins TestAmerica, Seattle

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

| Authority | Program | Identification Number | Expiration Date |
|--------------------|-----------------------|-----------------------|-----------------|
| Alaska (UST) | State | 17-024 | 01-19-22 |
| ANAB | Dept. of Defense ELAP | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | L2236 | 01-19-22 |
| California | State | 2901 | 11-05-20 |
| Montana (UST) | State | NA | 04-13-21 |
| Oregon | NELAP | WA100007 | 11-06-20 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-17-00039 | 02-10-20 |
| Washington | State | C553 | 02-17-20 |

Sample Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Ground Water

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 580-91663-2 | 2A-W-41-121719 | Water | 12/17/19 11:10 | 12/20/19 16:51 | |
| 580-91663-29 | GW-3-121919 | Water | 12/19/19 12:50 | 12/20/19 16:51 | |

Client: Farallon Consulting LLC

Login Number: 91663 List Number: 1

Creator: Vallelunga, Diana L

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

10

List Source: Eurofins TestAmerica, Seattle

🛟 eurofins

Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-91664-1

Client Project/Site: BNSF Skykomish Former Maintenance Sampling Event: Skykomish HCC System

For:

Farallon Consulting LLC 975 5th Avenue NW Suite 100 Issaquah, Washington 98027

Attn: Peter Kingston

Knistine D. allen

Authorized for release by: 1/6/2020 1:39:51 PM

Kristine Allen, Manager of Project Management (253)248-4970 kristine.allen@testamericainc.com

LINKS Review your project results through TOTOLACCESS Have a Question? Ask

Visit us at: www.testamericainc.com

The

Expert

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

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

Table of Contents

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| Certification Summary | 24 |
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| Chain of Custody | 26 |
| Receipt Checklists | 30 |
| | |

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-91664-1

Comments

No additional comments.

Receipt

The samples were received on 12/20/2019 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.6° C, 2.0° C and 2.2° C.

GC Semi VOA

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern were later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: WG-WV-121819 (580-91664-8) and PZ-7S-121819 (580-91664-13).

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.

Job ID: 580-91664-1

Definitions/Glossary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Former Maintenance

Percent Recovery

Glossary Abbreviation

¤ %R

| Job ID: 590 01664 1 | |
|---------------------|----|
| Job ID: 580-91664-1 | 2 |
| | 3 |
| | 4 |
| | 5 |
| | 6 |
| | 7 |
| | 8 |
| | 9 |
| | 10 |

| CFL | Contains Free Liquid |
|----------------|---|
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| | |

These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

Client Sample ID: PZ-80-121819

Date Collected: 12/18/19 11:25 Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.063 | 0.063 | mg/L | | 12/31/19 09:53 | 01/02/20 16:18 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.093 | 0.093 | mg/L | | 12/31/19 09:53 | 01/02/20 16:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 71 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 16:18 | 1 |

Lab Sample ID: 580-91664-1

Job ID: 580-91664-1

Matrix: Water

Client Sample ID: S2-AU-121819

Date Collected: 12/18/19 13:32 Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | Products (GC) RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|---------------------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 16:39 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 16:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 70 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 16:39 | 1 |

Job ID: 580-91664-1

Matrix: Water

Client Sample ID: GW-1-121819 Date Collected: 12/18/19 13:55

Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 17:01 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 12/31/19 09:53 | 01/02/20 17:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 85 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 17:01 | 1 |

Lab Sample ID: 580-91664-3

Matrix: Water

Job ID: 580-91664-1

2 3 4

Client Sample ID: S2-AD-121819

Date Collected: 12/18/19 11:38 Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 17:44 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 17:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 81 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 17:44 | 1 |

Lab Sample ID: 580-91664-4

Job ID: 580-91664-1

Matrix: Water

Eurofins TestAmerica, Seattle

Client Sample ID: EW-1-121819 Date Collected: 12/18/19 10:30

Date Received: 12/20/19 10:00

Lab Sample ID: 580-91664-5 Matrix: Water

5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.063 | 0.063 | mg/L | | 12/31/19 09:53 | 01/02/20 18:06 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.093 | 0.093 | mg/L | | 12/31/19 09:53 | 01/02/20 18:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 78 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 18:06 | 1 |

Client Sample ID: S2-BD-121819

Date Collected: 12/18/19 09:47 Date Received: 12/20/19 10:00

| Method: NWTPH-Dx - North | nwest - Semi-Volatile | Petroleum | Products (GC) | 1 | | | | |
|--------------------------|-----------------------|-----------|---------------|-------|------|---|----------------|----------------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 18:28 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 18:28 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed |
| o-Terphenyl | 80 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 18:28 |

Job ID: 580-91664-1

Matrix: Water

Dil Fac 1

Dil Fac

Lab Sample ID: 580-91664-6

Client Sample ID: 5-W-43-121819 Date Collected: 12/18/19 09:28

Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 18:50 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.092 | 0.092 | mg/L | | 12/31/19 09:53 | 01/02/20 18:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 82 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 18:50 | 1 |

Job ID: 580-91664-1

Matrix: Water

5

Lab Sample ID: 580-91664-7

Client Sample ID: WG-WV-121819 Date Collected: 12/18/19 13:54

Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.061 | 0.061 | mg/L | | 12/31/19 09:53 | 01/02/20 19:11 | 1 |
| Motor Oil (>C24-C36) | 0.17 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 19:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 93 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 19:11 | 1 |

Job ID: 580-91664-1

Matrix: Water

Lab Sample ID: 580-91664-8

Matrix: Water

Lab Sample ID: 580-91664-9

Client Sample ID: FWG-EV-121819 Date Collected: 12/18/19 14:35

Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 19:33 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 19:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 84 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 19:33 | 1 |

Client Sample ID: S2-BU-121819

Date Collected: 12/18/19 10:18 Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.11 | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 19:55 | 1 |
| Motor Oil (>C24-C36) | 0.10 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 19:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 84 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 19:55 | 1 |

Lab Sample ID: 580-91664-10

Matrix: Water

Lab Sample ID: 580-91664-11

Client Sample ID: FWG-WV-121819 Date Collected: 12/18/19 15:00

Date Received: 12/20/19 10:00

Analyte

Matrix: Water Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed

| #2 Diesel (C10-C24) | ND | 0.062 | 0.062 mg/L | 12/31/19 09:53 | 01/02/20 20:17 | 1 |
|----------------------|---------------------|--------|------------|----------------|----------------|---------|
| Motor Oil (>C24-C36) | ND | 0.091 | 0.091 mg/L | 12/31/19 09:53 | 01/02/20 20:17 | 1 |
| | | | | | | |
| | | | | | | |
| Surrogate | %Recovery Qualifier | Limits | | Prepared | Analyzed | Dil Fac |

5

Matrix: Water

Lab Sample ID: 580-91664-12

Client Sample ID: WG-EV-121819 Date Collected: 12/18/19 10:49

Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | 0.45 | | 0.061 | 0.061 | mg/L | | 12/31/19 09:53 | 01/02/20 20:38 | 1 |
| Motor Oil (>C24-C36) | 0.45 | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 20:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 97 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 20:38 | 1 |

Matrix: Water

Lab Sample ID: 580-91664-13

Client Sample ID: PZ-7S-121819

Date Collected: 12/18/19 14:52 Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.063 | 0.063 | mg/L | | 12/31/19 09:53 | 01/02/20 21:00 | 1 |
| Motor Oil (>C24-C36) | 0.11 | | 0.092 | 0.092 | mg/L | | 12/31/19 09:53 | 01/02/20 21:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 83 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 21:00 | 1 |

Client Sample ID: GW-2-121819 Date Collected: 12/18/19 15:48

Date Received: 12/20/19 10:00

| Method: NWTPH-Dx - Northwest | t - Semi-Volatile | Petroleum | Products (GC) |) | | | | | |
|----------------------------------|-------------------|-----------|---------------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 21:43 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 21:43 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 79 | | 50 _ 150 | | | | 12/31/19 09:53 | 01/02/20 21:43 | 1 |

Job ID: 580-91664-1

Lab Sample ID: 580-91664-14

Matrix: Water

5

Client Sample ID: GW-20-121819 Date Collected: 12/18/19 15:55

Date Received: 12/20/19 10:00

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 0.062 | 0.062 | mg/L | | 12/31/19 09:53 | 01/02/20 22:05 | 1 |
| Motor Oil (>C24-C36) | ND | | 0.091 | 0.091 | mg/L | | 12/31/19 09:53 | 01/02/20 22:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 87 | | 50 - 150 | | | | 12/31/19 09:53 | 01/02/20 22:05 | 1 |

Job ID: 580-91664-1

Lab Sample ID: 580-91664-15

Matrix: Water

Lab Sample ID: MB 580-319908/1-A

Matrix: Water

Analyte

Analysis Batch: 319958

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

MB MB

Result Qualifier

RL

MDL Unit

Prep Type: Total/NA

Prep Batch: 319908

Dil Fac

Client Sample ID: Method Blank

Analyzed

Prepared

D

6

| #2 Diesel (C10-C24) | N | D | 0.065 | (| 0.065 mg | g/L | 12/3 | 31/19 09:53 | 01/02/20 1 | 13:45 | 1 |
|--------------------------------|-------------|--------------|----------|--------|----------|--------|----------|-------------|--------------|----------|---------|
| Motor Oil (>C24-C36) | Ν | D | 0.096 | (| 0.096 mg | g/L | 12/3 | 31/19 09:53 | 01/02/20 1 | 13:45 | 1 |
| | м | B MB | | | | | | | | | |
| Surrogate | %Recover | ry Qualifier | Limits | | | | F | Prepared | Analyz | ed | Dil Fac |
| o-Terphenyl | ٤ | 31 | 50 - 150 | | | | 12/3 | 31/19 09:53 | 3 01/02/20 1 | 13:45 | 1 |
| _ Lab Sample ID: LCS 580-31 | 9908/2-A | | | | | | Client | t Sample | ID: Lab Co | ontrol S | ample |
| Matrix: Water | | | | | | | | | | ype: To | |
| Analysis Batch: 319958 | | | | | | | | | | Batch: 3 | |
| - | | | Spike | LCS | LCS | | | | %Rec. | | |
| Analyte | | | Added | Result | Qualifie | r Unit | D | %Rec | Limits | | |
| #2 Diesel (C10-C24) | | | 0.500 | 0.448 | | mg/L | | 90 | 50 - 120 | | |
| Motor Oil (>C24-C36) | | | 0.500 | 0.493 | | mg/L | | 99 | 64 - 120 | | |
| | LCS LC | cs | | | | | | | | | |
| Surrogate | %Recovery Q | ualifier | Limits | | | | | | | | |
| o-Terphenyl | 107 | | 50 - 150 | | | | | | | | |
| - Lab Sample ID: LCSD 580-3 | 319908/3-A | | | | | CI | ient San | nple ID: I | Lab Control | I Samp | le Dup |
| Matrix: Water | | | | | | | | | | ype: To | |
| Analysis Batch: 319958 | | | | | | | | | | Batch: 3 | |
| | | | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | | | Added | Result | Qualifie | r Unit | D | %Rec | Limits | RPD | Limit |
| #2 Diesel (C10-C24) | | | 0.500 | 0.456 | | mg/L | | 91 | 50 - 120 | 2 | 26 |
| Motor Oil (>C24-C36) | | | 0.500 | 0.483 | | mg/L | | 97 | 64 - 120 | 2 | 24 |
| | | | | | | | | | | | |

| | LCSD | LCSD | |
|-------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| o-Terphenyl | 108 | | 50 - 150 |

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Former Maintenance

Job ID: 580-91664-1

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 580-91664-1

Lab Sample ID: 580-91664-2

Lab Sample ID: 580-91664-3

Lab Sample ID: 580-91664-4

Lab Sample ID: 580-91664-5

Lab Sample ID: 580-91664-6

| Client Sample ID: PZ-80-121819 |
|--------------------------------|
| Date Collected: 12/18/19 11:25 |
| Date Received: 12/20/19 10:00 |

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 16:18 | T1W | TAL SEA |

Client Sample ID: S2-AU-121819 Date Collected: 12/18/19 13:32 Date Received: 12/20/19 10:00

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 16:39 | T1W | TAL SEA |

Client Sample ID: GW-1-121819

Date Collected: 12/18/19 13:55

Date Received: 12/20/19 10:00

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | · · | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 17:01 | T1W | TAL SEA |

Client Sample ID: S2-AD-121819

Date Collected: 12/18/19 11:38 Date Received: 12/20/19 10:00

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 17:44 | T1W | TAL SEA |

Client Sample ID: EW-1-121819

Date Collected: 12/18/19 10:30 Date Received: 12/20/19 10:00

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 18:06 | T1W | TAL SEA |

Client Sample ID: S2-BD-121819 Date Collected: 12/18/19 09:47 Date Received: 12/20/19 10:00

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 18:28 | T1W | TAL SEA |

Dilution

Factor

Dilution

Factor

1

1

Run

Run

Batch

Number

319908

319958

Batch

Number

319908

319958

Prepared

or Analyzed

12/31/19 09:53

01/02/20 18:50

Prepared

or Analyzed

12/31/19 09:53

01/02/20 19:11

Analyst

Analyst

JCM

T1W

JCM

T1W

Lab

Lab

TAL SEA

TAL SEA

TAL SEA

TAL SEA

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Former Maintenance

Client Sample ID: 5-W-43-121819

Batch

Туре

Prep

Batch

Туре

Prep

Client Sample ID: WG-WV-121819

Analysis

Batch

Method

3510C

Batch

Method

3510C

NWTPH-Dx

Date Collected: 12/18/19 09:28

Date Received: 12/20/19 10:00

Date Collected: 12/18/19 13:54

Date Received: 12/20/19 10:00

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Job ID: 580-91664-1

Lab Sample ID: 580-91664-7 Matrix: Water Lab Sample ID: 580-91664-8 Matrix: Water

| Total/NA | Analysis | NWTPH-Dx |
|----------|----------|----------|
| | | |

Client Sample ID: FWG-EV-121819

Lab Sample ID: 580-91664-9 Matrix: Water

Lab Sample ID: 580-91664-10

Lab Sample ID: 580-91664-11

Lab Sample ID: 580-91664-12

Matrix: Water

Matrix: Water

Matrix: Water

Date Collected: 12/18/19 14:35 Date Received: 12/20/19 10:00

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 19:33 | T1W | TAL SEA |

Client Sample ID: S2-BU-121819

Date Collected: 12/18/19 10:18 Date Received: 12/20/19 10:00

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Prep TAL SEA Total/NA 3510C JCM 319908 12/31/19 09:53 Total/NA T1W TAL SEA Analysis NWTPH-Dx 1 319958 01/02/20 19:55

Client Sample ID: FWG-WV-121819

Date Collected: 12/18/19 15:00 Date Received: 12/20/19 10:00

| Γ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 20:17 | T1W | TAL SEA |

Client Sample ID: WG-EV-121819 Date Collected: 12/18/19 10:49 Date Received: 12/20/19 10:00

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 20:38 | T1W | TAL SEA |

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Former Maintenance

Matrix: Water

Matrix: Water

Lab Sample ID: 580-91664-13

Lab Sample ID: 580-91664-14

Client Sample ID: PZ-7S-121819 Date Collected: 12/18/19 14:52 Date Received: 12/20/19 10:00

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 21:00 | T1W | TAL SEA |

Client Sample ID: GW-2-121819 Date Collected: 12/18/19 15:48 Date Received: 12/20/19 10:00

| | В | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|---|---------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | т | уре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | P | rep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | A | nalysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 21:43 | T1W | TAL SEA |

Client Sample ID: GW-20-121819

Lab Sample ID: 580-91664-15 Matrix: Water

Date Collected: 12/18/19 15:55 Date Received: 12/20/19 10:00

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|----------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3510C | | | 319908 | 12/31/19 09:53 | JCM | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 319958 | 01/02/20 22:05 | T1W | TAL SEA |

Laboratory References:

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

Accreditation/Certification Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Former Maintenance

Job ID: 580-91664-1

Laboratory: Eurofins TestAmerica, Seattle

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

| Authority | Program | Identification Number | Expiration Date |
|--------------------|-----------------------|-----------------------|-----------------|
| Alaska (UST) | State | 17-024 | 01-19-22 |
| ANAB | Dept. of Defense ELAP | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | L2236 | 01-19-22 |
| California | State | 2901 | 11-05-20 |
| Montana (UST) | State | NA | 04-13-21 |
| Oregon | NELAP | WA100007 | 11-06-20 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-17-00039 | 02-10-20 |
| Washington | State | C553 | 02-17-20 |

Eurofins TestAmerica, Seattle

Sample Summary

Client: Farallon Consulting LLC Project/Site: BNSF Skykomish Former Maintenance

Job ID: 580-91664-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 580-91664-1 | PZ-80-121819 | Water | 12/18/19 11:25 | 12/20/19 10:00 | |
| 580-91664-2 | S2-AU-121819 | Water | 12/18/19 13:32 | 12/20/19 10:00 | |
| 580-91664-3 | GW-1-121819 | Water | 12/18/19 13:55 | 12/20/19 10:00 | |
| 580-91664-4 | S2-AD-121819 | Water | 12/18/19 11:38 | 12/20/19 10:00 | |
| 580-91664-5 | EW-1-121819 | Water | 12/18/19 10:30 | 12/20/19 10:00 | |
| 580-91664-6 | S2-BD-121819 | Water | 12/18/19 09:47 | 12/20/19 10:00 | |
| 580-91664-7 | 5-W-43-121819 | Water | 12/18/19 09:28 | 12/20/19 10:00 | |
| 580-91664-8 | WG-WV-121819 | Water | 12/18/19 13:54 | 12/20/19 10:00 | |
| 580-91664-9 | FWG-EV-121819 | Water | 12/18/19 14:35 | 12/20/19 10:00 | |
| 580-91664-10 | S2-BU-121819 | Water | 12/18/19 10:18 | 12/20/19 10:00 | |
| 580-91664-11 | FWG-WV-121819 | Water | 12/18/19 15:00 | 12/20/19 10:00 | |
| 580-91664-12 | WG-EV-121819 | Water | 12/18/19 10:49 | 12/20/19 10:00 | |
| 580-91664-13 | PZ-7S-121819 | Water | 12/18/19 14:52 | 12/20/19 10:00 | |
| 580-91664-14 | GW-2-121819 | Water | 12/18/19 15:48 | 12/20/19 10:00 | |
| 580-91664-15 | GW-20-121819 | Water | 12/18/19 15:55 | 12/20/19 10:00 | |

Eurofins TestAmerica, Seattle

| | | LABORATORY INFORMATION | L | AB WORK ORDER: | |
|--------------------------------|--|-----------------------------------|-------------------------------------|--|--|
| BNSF | | Project Manager KALA KASTIV | 2-922-23(0° | SHIPMENT INFORMA | |
| RAILWAY | Address: 5755 9 th ST 5 | Phone: 25 | 3-922-23(05 | hipment Method: CWR136 | 2 |
| CHAIN OF CUSTODY | City/State/ZIP: TACOMA, WA ° | 18424 Fax: | <u>ت</u> | racking Number | |
| BNSF PROJECT INFORMATION | Project State of Origin: | CONSULTANT IN | FORMATION | roject Number: 603-067 | - |
| BNSF Project Number: 603-067 | Project City: Skykemign | Company: Farallon Cons | sitis- | roject Manager PETE KINGE mall: Plinyston Pforally hone: 425295082 | ton |
| INSF Project Name: BUSF FORMER | MAITENANG | Address: 975 5th AVR | NID " | mall: plinyston Ptaralli | unconsulting, con |
| INSF Contact: | BNSF Work Order No.: | City/State/ZIP KSQGVahi | A 98027 " | home: 425295080 | > |
| TURNAROUND TIME | DELIVERABLES Other | Deliverables? | METHODS FOR ANALYSIS | | |
| 1-day Rush | BNSF Standard (Level II) | | | | |
| 2-day Rush Standard 10-Day | Level III EDD R | Reg. Format? | | | |
| 3-day Rush Other | _ Levet IV | | | | |
| S/ | MPLE INFORMATION | F | | | |
| Sample Identification | Sample Collection | Filtered Type Y/N Grab) Matrix | | | |
| Запре основой | Date Time Sampl | ler Y/N Grab) Matrix 2 | | COMMENTS | LAB USE |
| PZ-8-12-1819 | 1 12/18/19/125 CD | NGW | | | |
| 52-AU-121819 | 1 133.2 | | | | |
| GW-1-121819 | (355 | | | | |
| 52-AD-121819 | 1138 | | | | - |
| EW-1-121819 | 1030 | | | | ************************************** |
| 52-BD-121819 | 0947 | | | | |
| 5-10-43-121819 | 0928 | | | | |
| WG-WV-121819 | 1354 | | ··· | | |
| FWG-EV | 1435 | | | | |
| 52-00-121919 | 1018 | | المراجع المراجع | | |
| FWG-WV-121819 | ISW ISW | | | | [] |
| WG-EV-121019 | 1049 | | | | |
| PZ-75-121819 | 1452 | | | | |
| GW-2-121919 | 1548 | | 530-91664 Cha | ain of Clistopy | |
| 4W-20-121819 | 1555 4 | | | <u></u> | |
| nquished By: | Date/Time: | | Date/Time: Comments | and Special Analytical Requirements | |
| naushen By O D I D I D C | Date/Time | Gipan 1 | Lz-zuil 10:30 Comments | | |
| B Q. Poue () | Date/Time: Received By: | | Date/Time: | | |
| eived by Laboratory: | Date/Time: Lab Remarks: | | Lab: Custody Intact? Custody Seal N | No. BNSF COC No | |
| | | | Yes No | | |

ORIGINAL - RETURN TO LABORATORY WITH SAMPLES

| Packing: Packing: Cust. Seal: Yes_No_ Blue Ice, Wet, Dry, None Other: 20-14 Tw Lab Cour: Other: | A Diy, N | Therm. ID: A1 Cor: Kan C Unc: 1.1 Cooler Dsc: 12.1 A1 Cor: Kan A1004 Packing: FedEx: 20 - 1A an A1004 Cust. Seal: Yes No Lab Cour: 4 Blue Ice, Wet, Dry, None Other: 4 | Therm. ID: ACor: Cort: Out: Ou | herm. ID: <u>AL</u> Cor: <u>L2</u> • Unc: <u>L3</u> • sooler Dsc: "acking: FedEx: BNJF 911114 lust. Seal: <u>Ves</u> No UPS: BNJF 91114 Hue Ice, Wet, Dry, None Other: FURMER WANDER | Therm. ID: MCor: 1.3 unc: 1.4 Cooler Dsc: | Therm. ID: A L Cor: 2.6 ° Unc: 0.7 ° Cooler Dsc: Packing: Packing: Cust. Scal: Ves No UPS: Blue Ice, Wet, Dry, None Other: | | | |
|--|----------|---|--|--|---|--|--|--|--|
|--|----------|---|--|--|---|--|--|--|--|

| LAB WORK ORDER: SHIPMENT INFORMATION | Shipment Method: Curling | Tracking Number: | Project Number: 693-04-2 | Project Manager (P. T. D. I. M. A. | Harrison and the | Month Himmin Charles China Home | | | | | | | | COMMENIS LABUSE | | | | | | | | | | | | AN (ION IOS) WA WIN ON MALAN Dein of Custody | 580-91664 Criani or Concert | | Comments and Special Analytical Requirements: | | II No. BNGE COCINO | |
|---|--------------------------|----------------------|--------------------------|------------------------------------|------------------|---------------------------------|----------------------|--------------------------|------------------|--------------|--------------------|------|-------------------------------|-----------------|---------------|-------------|--------------|-------------|--------------|---------------|--------------|----------|----------------|---------------|-----------------|---|-----------------------------|----------------|---|------------------------------|--------------------------------------|--|
| ae, Allon | -922-231 | <u> </u> | CONSULTANT INFORMATION | Const Hilling | 2 | A GUADA | - 22 | | | | | | | | | | | | | | | | | | | | 580-91664 0 | | Date/Time: Date/Time: | 1-2 | Lab: Custody Intex? Custody Seal No. | Ŷ |
| LABORATORY INFORMATION | M ST CL | a. WA 98424 F | • | Company: FLL (Par [] [V | Address: 935 Sth | acred | Cother Deliverables? | | EDD Rad, Format? | | - HI | Type | Time Sampler V/N Grab) Matrix | 1125 CANE (1) | 133.3 / | (355 | 1138 | 1030 | 0947 | C428 | (354 | 1435 | 610 | isw | 10149 | 1423 / | IS48 | 4 1 1 X 4 SSSI | | Received By: Received By: | Lab Remarks: | DUPLICATE - CONSULTANT |
| Laboratory: EUM PINS | AURIENE 5755 91 | UNYSIATAZIP: TOUDANA | of Origin | Project Cily: SLUKON LA | MATTEN AN E | | DELIVERABLES | BNSF Standard (Level II) | | | SAMPLE INFORMATION | | Containers | 1 12/18/14 | | | | | | | | | | | | | | 4 | 12DE qu | DataATmes DataATmes | Data/Time: | - |
| BNSF | RAILWAY | CHAIN OF CUSTODY | BNSF PROJECT INFORMATION | BNSF Project Number 683-067 | Ame: BUST FOOMER | | TURNAROUND TIME | 1-day Rush | 2-day Rush | 🗋 3-day Rush | | | Sample Identification | P2-9-12-1819 | 52 -AU-12(819 | G121-1-1019 | 52-AD-121019 | EW-1-121819 | 52-80-121819 | S-W-43-121819 | WG-WV-121819 | ting trV | "52 -bu-121819 | FWG-WV-121819 | * WG-EV- 121819 | plois-27-27 : | " (Sho-2-1218) | " 4W-30-121819 | Keiniquished by: Cutci Seco | Relinquished By: | Received try Laboratory: | ORIGINAL - RETURN TO LABORATORY WITH SAMPLES |

| Blue Ice, Wet, Dry, None Daher: | |
|--|-----|
| Cust. Scal: Yes_NoUS; | |
| | |
| | 5 |
| Therm. ID: AL Cor: 1. S. Unc. J. M . | |
| Other: | |
| Blue Ice, Wet, DIY, More Lab Court: | |
| SAD N SAL IBAC TENA | |
| Packing: Feder: Feder: Packing Olucion Cooler Dac: | 8 |
| Cooler Dac: | |
| | 9 |
| | 4 0 |
| | 1 |
| Clief Soil: Yes No. UPS: | |
| Cooler Dac: Fedix: Teak allow dibout | |
| Therma ID: AL Corrected & Unc: 2.1 . | |
| | |
| Blue Ice, Wet, Dry, None Other: | |
| | |
| Packing: | |
| | |
| Therm. ID: AL Cor: 201 . Unc: 2.1 . | |
| ar yet bit, 14006 Other: | |
| ue Ice, Wet, Dry, None Other: Port Court | |
| ooler Dae: Vet, Dry, None Other: 64456 91 U U V | |
| ooler Dac: FedEx: RedEx: | |
| heim ID: Al Cor: 2.7 . [inc: 2.3 . | |
| | |
| Blue Ice, Wet, Dry, Yone Other: | |
| | |
| Jacimus: | - |
| Therm. ID: A Corrils o Unc: 1.4 o | |
| | |
| Other: Other: | |
| Blue Ice, Wet, Dry, None Laboration | i |
| Packing: FedEx: Cust. Seal: Yes_NoUPS: | |
| | |
| Cooler Day: Cor: C.C. Cor: Cor: C.C. Cooler Day: | |
| | |
| Blue Ice, Wet, Dry, None Lab Court. | |
| Blue Ice Met Dur NordLab Court | |
| Packing: FedEx: | |
| Cooler Dac: | |
| | |
| Blue Ice, Wet, Dry None Lab Cour: | |
| Blue Ice, Ver Dry Vone | |
| | |
| Laciding: 13.6 Feddex: De Lacidin III: 11.1 Con: 1. Co | |
| | |
| | |
| Page 29 of 30 | |

1

| | | | | 1 |
|---|---------|---------|--|-----|
| Login Sample Receipt C | hecklis | t | | 2 |
| | | | lah Number 500 04004 4 | 3 |
| Client: Farallon Consulting LLC | | | Job Number: 580-91664-1 | |
| Login Number: 91664 | | | List Source: Eurofins TestAmerica, Seattle | 4 |
| List Number: 1 Creator: Vallelunga, Diana L | | | | 5 |
| | | | | |
| | swer | Comment | <u> </u> | 0 |
| Radioactivity wasn't checked or is = background as measured by a survey<br meter. | | | | 7 |
| The cooler's custody seal, if present, is intact. | | | | |
| Sample custody seals, if present, are intact. | | | | 8 |
| The cooler or samples do not appear to have been compromised or tampered with. | | | | 9 |
| Samples were received on ice. | | | | 4.0 |
| Cooler Temperature is acceptable. | | | | 10 |
| Cooler Temperature is recorded. | | | | 11 |
| COC is present. | | | | |
| COC is filled out in ink and legible. | | | | |
| COC is filled out with all pertinent information. | | | | |
| Is the Field Sampler's name present on COC? | | | | |
| There are no discrepancies between the containers received and the COC. | | | | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | | | | |
| Sample containers have legible labels. | | | | |
| Containers are not broken or leaking. | | | | |
| Sample collection date/times are provided. | | | | |
| Appropriate sample containers are used. | | | | |
| Sample bottles are completely filled. | | | | |
| Sample Preservation Verified. | | | | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | | | | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | | | | |
| Multiphasic samples are not present. | | | | l |
| Samples do not require splitting or compositing. | | | | |
| Residual Chlorine Checked. | | | | |

APPENDIX B DATA VALIDATION REPORTS

2019 SITE-WIDE GROUNDWATER MONITORING REPORT BNSF Former Maintenance and Fueling Facility Skykomish, Washington Consent Decree No. 07-2-33672-9 SEA

Farallon PN: 683-067



cari.say@saylerdata.com

DATA VALIDATION REPORT

Skykomish Groundwater Monitoring March 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

April 23, 2019

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|-----------------|------------------|--------------|---------------|
| 1A-W-4-032019 | 03/20/2019 16:30 | 580-84853-5 | TPH-Dx |
| 1B-W-2-032119 | 03/21/2019 14:18 | 580-84853-32 | TPH-Dx |
| 1B-W-23-032019 | 03/20/2019 14:30 | 580-84853-8 | TPH-Dx |
| 1B-W-3-032119 | 03/21/2019 15:05 | 580-84853-35 | TPH-Dx |
| 1C-W-1-032119 | 03/21/2019 12:30 | 580-84853-29 | TPH-Dx |
| 1C-W-3-032119 | 03/21/2019 15:00 | 580-84853-34 | TPH-Dx |
| 1C-W-4-032119 | 03/21/2019 15:05 | 580-84853-33 | TPH-Dx |
| 1C-W-7-032119 | 03/21/2019 10:45 | 580-84853-26 | TPH-Dx |
| 1C-W-8-032119 | 03/21/2019 12:40 | 580-84853-30 | TPH-Dx |
| 2A-W-10-032119 | 03/21/2019 09:54 | 580-84853-20 | TPH-Dx |
| 2A-W-40-032019 | 03/20/2019 17:55 | 580-84853-11 | TPH-Dx |
| 2A-W-410-032019 | 03/20/2019 16:20 | 580-84853-10 | TPH-Dx |
| 2A-W-41-032019 | 03/20/2019 15:55 | 580-84853-9 | TPH-Dx, TPHSG |
| 2A-W-42-032119 | 03/21/2019 11:05 | 580-84853-27 | TPH-Dx |
| 2A-W-9-032119 | 03/21/2019 09:54 | 580-84853-25 | TPH-Dx |
| 2B-W-4-032119 | 03/21/2019 12:04 | 580-84853-22 | TPH-Dx |
| 5-W-14-032019 | 03/20/2019 12:54 | 580-84853-18 | TPH-Dx |
| 5-W-16-032019 | 03/20/2019 11:59 | 580-84853-19 | TPH-Dx |
| 5-W-170-032019 | 03/20/2019 12:16 | 580-84853-4 | TPH-Dx |
| 5-W-17-032019 | 03/20/2019 12:14 | 580-84853-3 | TPH-Dx |
| 5-W-18-032019 | 03/20/2019 11:04 | 580-84853-1 | TPH-Dx |
| 5-W-19-032019 | 03/20/2019 11:11 | 580-84853-2 | TPH-Dx |
| 5-W-51-032019 | 03/20/2019 13:54 | 580-84853-12 | TPH-Dx |
| 5-W-55-032019 | 03/20/2019 15:21 | 580-84853-15 | TPH-Dx |
| 5-W-560-032019 | 03/20/2019 15:20 | 580-84853-14 | TPH-Dx |
| 5-W-56-032019 | 03/20/2019 15:09 | 580-84853-13 | TPH-Dx |
| EW-2A-032119 | 03/21/2019 09:50 | 580-84853-24 | TPH-Dx |
| GW-30-032019 | 03/20/2019 14:45 | 580-84853-7 | TPH-Dx |
| GW-3-032019 | 03/20/2019 14:35 | 580-84853-6 | TPH-Dx, TPHSG |
| GW-4-032119 | 03/21/2019 09:50 | 580-84853-23 | TPH-Dx |

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|----------------|------------------|--------------|----------|
| MW-16-032119 | 03/21/2019 13:00 | 580-84853-31 | TPH-Dx |
| MW-30-032119 | 03/21/2019 11:28 | 580-84853-53 | TPH-Dx |
| MW-3-032119 | 03/21/2019 11:21 | 580-84853-28 | TPH-Dx |
| MW-380R-032019 | 03/20/2019 17:02 | 580-84853-17 | TPH-Dx |
| MW-38R-032019 | 03/20/2019 17:04 | 580-84853-16 | TPH-Dx |
| MW-4-032119 | 03/21/2019 10:56 | 580-84853-21 | TPH-Dx |
| MW-555-032219 | 03/22/2019 11:05 | 580-84853-51 | TPH-Dx |
| S1-AD-032119 | 03/21/2019 16:10 | 580-84853-39 | TPH-Dx |
| S1-AU-032119 | 03/21/2019 16:10 | 580-84853-37 | TPH-Dx |
| S1-BD-032119 | 03/21/2019 16:05 | 580-84853-36 | TPH-Dx |
| S1-BU-032119 | 03/21/2019 16:05 | 580-84853-38 | TPH-Dx |
| S3-AD-032219 | 03/22/2019 08:55 | 580-84853-50 | TPH-Dx |
| S3-AU-032219 | 03/22/2019 08:55 | 580-84853-44 | TPH-Dx |
| S3-BD-032219 | 03/22/2019 08:55 | 580-84853-49 | TPH-Dx |
| S3-BU-032219 | 03/22/2019 08:58 | 580-84853-45 | TPH-Dx |
| S3-CD-0322219 | 03/22/2019 09:30 | 580-84853-52 | TPH-Dx |
| S3-CU-032219 | 03/22/2019 09:30 | 580-84853-47 | TPH-Dx |
| S4-AD-032219 | 03/22/2019 10:05 | 580-84853-46 | TPH-Dx |
| S4-AU-032219 | 03/22/2019 10:05 | 580-84853-48 | TPH-Dx |
| S4-BD-032219 | 03/22/2019 09:37 | 580-84853-42 | TPH-Dx |
| S4-BU-032219 | 03/22/2019 09:37 | 580-84853-43 | TPH-Dx |
| S4-CD-032219 | 03/22/2019 10:09 | 580-84853-41 | TPH-Dx |
| S4-CU-032219 | 03/22/2019 10:06 | 580-84853-40 | TPH-Dx |

Samples were analyzed by Test America, Tacoma, Washington.

A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative.

No qualifiers were assigned during this review.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> Quarterly sampling includes 25 water sample locations, and semiannual sampling includes an additional 29 water sample locations. Additionally, 20 of the 29 semi-annual locations are sentry wells which must be sampled if the HCC system has been down for more than 48 hours in the previous quarter. Finally, 4 of the quarterly locations and 4 of the semi-annual locations are undergoing monthly sampling as part of a pilot study. For this round of sampling, quarterly locations were required. Samples were collected from all required locations and the required analysis was completed by the laboratory for each collected sample.

<u>Analysis methods</u>: Each sample was analyzed by method NWTPH-Dx and prepared by method SW3510C. These methods are approved EPA methods and therefore meet comparability requirements. Additionally, samples 2A-W-41-032019 and GW-3-032019 were prepared with method SW3510C a second time, cleaned up with method SW3630C (silica gel) and analyzed by NWTPH-Dx.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 100% was calculated based on 54 of 54 intended sample analyses completed. Please note that this data completeness percentage includes the samples for the 8 locations included the pilot study which were validated separately. The project goal of 90% was met.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

Each batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. These criteria were met.

<u>Laboratory and field blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method or field blanks.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits.

<u>LCS/LCSD RPDs:</u> The laboratory control limit ranged from <24 to <26%. LCS/LCSD RPD values were within limits.

<u>Field duplicate RPDs:</u> For concentrations above five times the reporting limit, RPDs were below 50%. For concentrations below five times the reporting limits, concentrations were within +/- two times the reporting limit.

<u>Reporting limits</u>: The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as reported.

4.0 Abbreviations and Definitions

| <u>DV Qualifier</u> U J | <u>Definition</u> The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample. The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample. |
|--|---|
| Ν | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| UJ | The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. |
| R | The sample result is rejected. The presence or absence of the analyte cannot be verified and data are not usable. |
| R1 | The sample result has been replaced by a more reliable or more conservative result. |
| R2 | The sample result has been replaced by a result from a different analysis method. |
| Abbreviation DV LCS LCSD MS MSD RL RPD RSD | Definition Data Validation Laboratory control sample Laboratory control sample duplicate Matrix spike Matrix spike duplicate Reporting limit Relative percent difference Relative standard deviation |

5.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.



DATA VALIDATION REPORT

Skykomish Groundwater Monitoring June 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

September 20, 2019

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|-----------------|------------------|--------------|---------------|
| 2A-W-41-061819 | 06/18/2019 11:06 | 580-87064-1 | TPH-Dx, TPHSG |
| 5-W-17-061919 | 06/19/2019 10:44 | 580-87064-10 | TPH-Dx |
| 5-W-56-061919 | 06/19/2019 12:16 | 580-87064-11 | TPH-Dx |
| 5-W-55-061919 | 06/19/2019 13:11 | 580-87064-12 | TPH-Dx |
| 5-W-51-061919 | 06/19/2019 14:09 | 580-87064-13 | TPH-Dx |
| 5-W-14-061919 | 06/19/2019 15:06 | 580-87064-14 | TPH-Dx |
| 1B-W-3-161919 | 06/19/2019 08:48 | 580-87064-15 | TPH-Dx |
| 1C-W-7-061919 | 06/19/2019 10:07 | 580-87064-16 | TPH-Dx |
| GW-4-061919 | 06/19/2019 11:35 | 580-87064-17 | TPH-Dx |
| EW-2A-061919 | 06/19/2019 13:00 | 580-87064-18 | TPH-Dx |
| 1C-W-1-061919 | 06/19/2019 14:07 | 580-87064-19 | TPH-Dx |
| 2A-W-410-061819 | 06/18/2019 11:07 | 580-87064-2 | TPH-Dx |
| 1C-W-8-061919 | 06/19/2019 15:00 | 580-87064-20 | TPH-Dx |
| 2A-W-9-061919 | 06/19/2019 16:21 | 580-87064-21 | TPH-Dx |
| 2A-W-10-061919 | 06/19/2019 16:40 | 580-87064-22 | TPH-Dx |
| 2B-W-4-061919 | 06/19/2019 17:48 | 580-87064-23 | TPH-Dx |
| MW-3-061919 | 06/19/2019 16:40 | 580-87064-24 | TPH-Dx |
| MW-4-061919 | 06/19/2019 17:47 | 580-87064-25 | TPH-Dx |
| MW-555-061919 | 06/19/2019 18:25 | 580-87064-26 | TPH-Dx |
| 1B-W-23-061819 | 06/18/2019 14:35 | 580-87064-3 | TPH-Dx |
| GW-3-061819 | 06/18/2019 16:01 | 580-87064-4 | TPH-Dx, TPHSG |
| GW-30-061819 | 06/18/2019 16:05 | 580-87064-5 | TPH-Dx |
| 2A-W-42-061819 | 06/18/2019 17:45 | 580-87064-6 | TPH-Dx |
| 5-W-19-061819 | 06/18/2019 18:52 | 580-87064-7 | TPH-Dx |
| 5-W-18-061919 | 06/19/2019 08:42 | 580-87064-8 | TPH-Dx |
| 5-W-16-061919 | 06/19/2019 09:40 | 580-87064-9 | TPH-Dx |

Samples were analyzed by Test America, Tacoma, Washington.

A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative.

No qualifiers were assigned during this review.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> Quarterly sampling includes 25 water sample locations, and semiannual sampling includes an additional 29 water sample locations. Additionally, 20 of the 29 semi-annual locations are sentry wells which must be sampled if the HCC system has been down for more than 48 hours in the previous quarter. Finally, 4 of the quarterly locations and 4 of the semi-annual locations are undergoing monthly sampling as part of a pilot study. For this round of sampling, quarterly locations were required. Samples were collected from all required locations except 2A-W-40. The required analysis was completed by the laboratory for each collected sample.

<u>Analysis methods</u>: Each sample was analyzed by method NWTPH-Dx and prepared by method SW3510C. These methods are approved EPA methods and therefore meet comparability requirements. Additionally, samples 2A-W-41-061819 and GW-3-061819 were prepared with method SW3510C a second time, cleaned up with method SW3630C (silica gel) and analyzed by NWTPH-Dx.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 96% was calculated based on 24 of 25 intended sample analyses completed. Please note that this data completeness percentage includes the samples for the 4 locations included the pilot study, which were validated separately. The project goal of 90% was met.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

Each batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. These criteria were met.

<u>Laboratory and field blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method or field blanks.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits with one exception:

| Sample ID | Surrogate | % Recovery | Lab Control Limit |
|-------------|-------------|------------|-------------------|
| GW-3-061819 | o-Terphenyl | 288 | 50 - 150 |

The laboratory noted matrix interference, and no qualifiers are assigned.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits.

<u>LCS/LCSD RPDs:</u> The laboratory control limit ranged from <24 to <26%. LCS/LCSD RPD values were within limits.

<u>Field duplicate RPDs:</u> For concentrations above five times the reporting limit, RPDs were below 50%. For concentrations below five times the reporting limits, concentrations were within +/- two times the reporting limit.

<u>Reporting limits</u>: The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as reported.

4.0 Abbreviations and Definitions

| <u>DV Qualifier</u> U | <u>Definition</u> The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample. |
|--|--|
| J | The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample. |
| Ν | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| UJ | The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. |
| R | The sample result is rejected. The presence or absence of the analyte cannot be verified and data are not usable. |
| R1 | The sample result has been replaced by a more reliable or more conservative result. |
| R2 | The sample result has been replaced by a result from a different analysis method. |
| Abbreviation DV LCS LCSD MS MSD | <u>Definition</u> Data Validation Laboratory control sample Laboratory control sample duplicate Matrix spike Matrix spike duplicate |

| Abbreviation | <u>Definition</u> |
|--------------|-----------------------------|
| RL | Reporting limit |
| RPD | Relative percent difference |
| RSD | Relative standard deviation |

5.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.



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DATA VALIDATION REPORT

Skykomish Groundwater Monitoring September 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

October 16, 2019

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|-----------------|------------------|--------------|---------------|
| 5-W-19-091719 | 09/17/2019 09:25 | 580-89409-1 | TPH-Dx |
| EW-2A-091719 | 09/17/2019 09:25 | 580-89409-2 | TPH-Dx |
| 5-W-18-091719 | 09/17/2019 09:28 | 580-89409-3 | TPH-Dx |
| 5-W-17-091719 | 09/17/2019 10:30 | 580-89409-4 | TPH-Dx |
| GW-4-091719 | 09/17/2019 10:49 | 580-89409-5 | TPH-Dx |
| 5-W-16-091719 | 09/17/2019 10:50 | 580-89409-6 | TPH-Dx |
| 5-W-14-091719 | 09/17/2019 11:38 | 580-89409-7 | TPH-Dx |
| 1C-W-1-091719 | 09/17/2019 11:53 | 580-89409-8 | TPH-Dx |
| 5-W-51-091719 | 09/17/2019 12:05 | 580-89409-9 | TPH-Dx |
| 1C-W-8-091719 | 09/17/2019 12:49 | 580-89409-10 | TPH-Dx |
| 1C-W-4-091719 | 09/17/2019 13:43 | 580-89409-11 | TPH-Dx |
| 5-W-55-091719 | 09/17/2019 14:23 | 580-89409-12 | TPH-Dx |
| 5-W-56-091719 | 09/17/2019 14:27 | 580-89409-13 | TPH-Dx |
| 1C-W-3-091719 | 09/17/2019 14:39 | 580-89409-14 | TPH-Dx |
| MW-38R-091719 | 09/17/2019 15:42 | 580-89409-15 | TPH-Dx |
| 1C-W-7-091719 | 09/17/2019 15:54 | 580-89409-16 | TPH-Dx |
| 2A-W-40-091719 | 09/17/2019 16:18 | 580-89409-17 | TPH-Dx |
| S3-AU-091719 | 09/17/2019 16:37 | 580-89409-18 | TPH-Dx |
| 2A-W-42-091819 | 09/18/2019 09:11 | 580-89409-19 | TPH-Dx |
| 1B-W-3-091819 | 09/18/2019 09:15 | 580-89409-20 | TPH-Dx |
| MW-16-091819 | 09/18/2019 09:57 | 580-89409-21 | TPH-Dx |
| 1B-W-2-091819 | 09/18/2019 10:22 | 580-89409-22 | TPH-Dx |
| 1B-W-23-091819 | 09/18/2019 10:41 | 580-89409-23 | TPH-Dx |
| MW-4-091819 | 09/18/2019 11:17 | 580-89409-24 | TPH-Dx |
| 2A-W-9-091819 | 09/18/2019 11:57 | 580-89409-25 | TPH-Dx |
| 1A-W-4-091819 | 09/18/2019 12:20 | 580-89409-26 | TPH-Dx |
| 2B-W-4-091819 | 09/18/2019 12:27 | 580-89409-27 | TPH-Dx |
| 2A-W-10-091819 | 09/18/2019 13:00 | 580-89409-28 | TPH-Dx |
| 2A-W-100-091819 | 09/18/2019 13:10 | 580-89409-29 | TPH-Dx |
| 2A-W-41-091819 | 09/18/2019 13:24 | 580-89409-30 | TPH-Dx, TPHSG |

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|-----------------|------------------|--------------|---------------|
| 2A-W-410-091819 | 09/18/2019 13:30 | 580-89409-31 | TPH-Dx |
| GW-3-091819 | 09/18/2019 14:41 | 580-89409-32 | TPH-Dx, TPHSG |
| GW-30-091819 | 09/18/2019 15:00 | 580-89409-33 | TPH-Dx |
| S3-CU-091819 | 09/18/2019 14:52 | 580-89409-34 | TPH-Dx |
| S3-AD-091819 | 09/18/2019 14:53 | 580-89409-35 | TPH-Dx |
| S3-CD-091819 | 09/18/2019 15:02 | 580-89409-36 | TPH-Dx |
| S3-BD-091819 | 09/18/2019 15:30 | 580-89409-37 | TPH-Dx |
| S3-BU-091819 | 09/18/2019 15:30 | 580-89409-38 | TPH-Dx |
| S4-AD-091819 | 09/18/2019 16:06 | 580-89409-39 | TPH-Dx |
| S4-CD-091819 | 09/18/2019 16:07 | 580-89409-40 | TPH-Dx |
| S4-BD-091819 | 09/18/2019 16:09 | 580-89409-41 | TPH-Dx |
| S4-BU-091819 | 09/18/2019 16:16 | 580-89409-42 | TPH-Dx |
| S4-CU-091819 | 09/18/2019 16:29 | 580-89409-43 | TPH-Dx |
| S4-AU-091819 | 09/18/2019 16:30 | 580-89409-44 | TPH-Dx |
| S1-AU-091919 | 09/19/2019 09:55 | 580-89409-45 | TPH-Dx |
| S1-AD-091919 | 09/19/2019 09:57 | 580-89409-46 | TPH-Dx |
| S1-BD-091919 | 09/19/2019 10:46 | 580-89409-47 | TPH-Dx |
| S1-BU-091919 | 09/19/2019 11:02 | 580-89409-48 | TPH-Dx |
| 5-W-180-091719 | 09/19/2019 09:30 | 580-89409-49 | TPH-Dx |
| MW-555-091919 | 09/19/2019 12:00 | 580-89409-50 | TPH-Dx |

Samples were analyzed by Test America, Tacoma, Washington.

A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative.

Data qualifiers are summarized in section 4.0 below.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> Quarterly sampling includes 25 water sample locations, and semiannual sampling includes an additional 29 water sample locations. Additionally, 20 of the 29 semi-annual locations are sentry wells which must be sampled if the HCC system has been down for more than 48 hours in the previous quarter. Finally, 4 of the quarterly locations and 4 of the semi-annual locations are undergoing monthly sampling as part of a pilot study. For this round of sampling, quarterly and semi-annual locations were required. Samples were collected from all required locations except MW-3. The required analysis was completed by the laboratory for each collected sample.

<u>Analysis methods</u>: Each sample was extracted by method SW2510C and analyzed by method NWTPH-Dx. These methods are approved EPA methods and therefore meet comparability requirements. Additionally, sample extracts 2A-W-41-091819 and GW-3-091819 were split and the second portion was with cleaned up with method SW3630C (silica gel) and analyzed by NWTPH-Dx.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 98% was calculated based on 53 of 54 intended sample

analyses completed. Please note that this data completeness percentage includes the samples for the 8 locations included the pilot study, which were validated separately. The project goal of 90% was met.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

Each batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. These criteria were met.

<u>Laboratory and field blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method blanks. The field blank contained #2 Diesel as follows:

| Blank ID | Analyte | Concentration (mg/L) | RL (mg/L) |
|---------------|---------------------|----------------------|-----------|
| MW-555-091919 | #2 Diesel (C10-C24) | 0.086 | 0.062 |

Sample results in associated samples below five times this level are qualified 'U' and should be considered not detected at the reported concentration. Sample results in associated samples between five and ten times this level are qualified as estimated. Sample results above ten times this level are considered unaffected.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits with one exception:

| Sample ID | Surrogate | % Recovery | Lab Control Limit |
|---------------|---------------------|------------|-------------------|
| 1C-W-7-091719 | o-Terphenyl | 35 | 50 - 150 |
| GW-30-091819 | o-Terphenyl | 43 | 50 - 150 |
| GW-3-091819 | o-Terphenyl | 29 | 50 - 150 |
| GW-3-091819 | o-Terphenyl (TPHSG) | 32 | 50 - 150 |

The laboratory noted matrix interference, and no qualifiers are assigned.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits with the following exception:

| QC ID | Analyte | % Recovery | Lab Control Limit |
|---------------------|----------------------|------------|-------------------|
| LCSD 580-312969/3-B | Motor Oil (>C24-C36) | 124 | 64 - 120 |

Motor Oil was not detected in the associated samples, and no qualifiers are required.

<u>LCS/LCSD RPDs:</u> The laboratory control limit ranged from <24 to <26%. LCS/LCSD RPD values were within limits.

<u>Field duplicate RPDs:</u> For concentrations above five times the reporting limit, RPDs were below 50%. For concentrations below five times the reporting limits, concentrations were within +/- two times the reporting limit.

<u>Reporting limits</u>: The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met by the laboratory. However, field blank qualification resulted in elevated reporting limits in the following samples:

| Sample ID | Analyte | Value (mg/L) | Validation Qualifier |
|-----------------|---------------------|--------------|----------------------|
| 2A-W-410-091819 | #2 Diesel (C10-C24) | 0.26 | U |
| 2A-W-41-091819 | #2 Diesel (C10-C24) | 0.26 | U |
| 2A-W-9-091819 | #2 Diesel (C10-C24) | 0.13 | U |
| GW-3-091819 | #2 Diesel (C10-C24) | 0.12 | U |
| MW-4-091819 | #2 Diesel (C10-C24) | 0.11 | U |
| S4-BU-091819 | #2 Diesel (C10-C24) | 0.26 | U |

No additional qualifiers are assigned to elevated reporting limit results.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as qualified.

4.0 Validation Qualifiers

| Client ID | Analyte(s) | Qualifier | Reason |
|-----------------|---------------------|-----------|---------------------------|
| 2A-W-40-091719 | #2 Diesel (C10-C24) | U | Field blank contamination |
| 2A-W-410-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |
| 2A-W-41-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |
| 2A-W-42-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |
| 2A-W-9-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |
| 5-W-51-091719 | #2 Diesel (C10-C24) | J | Field blank contamination |
| 5-W-55-091719 | #2 Diesel (C10-C24) | U | Field blank contamination |
| GW-30-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |
| GW-3-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |
| MW-38R-091719 | #2 Diesel (C10-C24) | U | Field blank contamination |
| MW-4-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |
| S4-BU-091819 | #2 Diesel (C10-C24) | U | Field blank contamination |

5.0 Abbreviations and Definitions

| <u>DV Qualifier</u> U | <u>Definition</u> The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit |
|--------------------------|--|
| | or the amount of contaminant detected in the sample. |
| J | The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample. |
| Ν | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| UJ | The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. |

| <u>DV Qualifier</u> R R1 | <u>Definition</u> The sample result is rejected. The presence or absence of the analyte cannot be verified and data are not usable. The sample result has been replaced by a more reliable or more conservative result. |
|--|---|
| R2 | The sample result has been replaced by a result from a different analysis method. |
| Abbreviation DV LCS LCSD MS MSD RL RPD RSD | Definition Data Validation Laboratory control sample Laboratory control sample duplicate Matrix spike Matrix spike duplicate Reporting limit Relative percent difference Relative standard deviation |

6.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.



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DATA VALIDATION REPORT

Skykomish Groundwater Monitoring, December 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

January 13, 2020

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|-----------------|------------------|--------------|----------|
| 5-W-19-121719 | 12/17/2019 11:57 | 580-91663-1 | TPH-Dx |
| 2A-W-41-121719 | 12/17/2019 11:10 | 580-91663-2 | TPH-Dx |
| 2A-W-410-121719 | 12/17/2019 11:05 | 580-91663-3 | TPH-Dx |
| EW-2A-121719 | 12/17/2019 15:55 | 580-91663-4 | TPH-Dx |
| 5-W-56-121719 | 12/17/2019 17:08 | 580-91663-5 | TPH-Dx |
| 1B-W-23-121719 | 12/17/2019 14:35 | 580-91663-6 | TPH-Dx |
| 5-W-55-121719 | 12/17/2019 16:18 | 580-91663-7 | TPH-Dx |
| 5-W-14-121719 | 12/17/2019 15:33 | 580-91663-8 | TPH-Dx |
| 5-W-17-121719 | 12/17/2019 10:46 | 580-91663-9 | TPH-Dx |
| 5-W-16-121719 | 12/17/2019 12:00 | 580-91663-10 | TPH-Dx |
| 2A-W-40-121719 | 12/17/2019 09:50 | 580-91663-11 | TPH-Dx |
| 5-W-18-121719 | 12/17/2019 14:31 | 580-91663-12 | TPH-Dx |
| 2A-W-42-121819 | 12/18/2019 14:23 | 580-91663-13 | TPH-Dx |
| 1C-W-8-121819 | 12/18/2019 09:43 | 580-91663-14 | TPH-Dx |
| GW-4-121819 | 12/18/2019 13:20 | 580-91663-15 | TPH-Dx |
| 2A-W-9-121819 | 12/18/2019 17:00 | 580-91663-16 | TPH-Dx |
| 2A-W-10-121819 | 12/18/2019 15:55 | 580-91663-17 | TPH-Dx |
| 2A-W-100-121819 | 12/18/2019 16:05 | 580-91663-18 | TPH-Dx |
| 1C-W-7-121819 | 12/18/2019 12:12 | 580-91663-19 | TPH-Dx |
| 1C-W-1-121819 | 12/18/2019 10:47 | 580-91663-20 | TPH-Dx |
| 1B-W-3-121819 | 12/18/2019 11:50 | 580-91663-21 | TPH-Dx |
| 5-W-51-121819 | 12/18/2019 10:42 | 580-91663-22 | TPH-Dx |
| MW-3-121919 | 12/19/2019 10:45 | 580-91663-23 | TPH-Dx |
| MW-4-121919 | 12/19/2019 11:50 | 580-91663-24 | TPH-Dx |
| 2B-W-4-121919 | 12/19/2019 09:38 | 580-91663-25 | TPH-Dx |
| MW-555 | 12/19/2019 11:25 | 580-91663-26 | TPH-Dx |
| 5-W-180-121719 | 12/17/2019 14:41 | 580-91663-27 | TPH-Dx |
| GW-30-121919 | 12/19/2019 13:00 | 580-91663-28 | TPH-Dx |
| GW-3-121919 | 12/19/2019 12:50 | 580-91663-29 | TPH-Dx |

Samples were analyzed by Test America, Tacoma, Washington.

A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative.

Data qualifiers are summarized in section 4.0 below.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> Quarterly sampling includes 25 water sample locations, and semiannual sampling includes an additional 29 water sample locations. Additionally, 20 of the 29 semi-annual locations are sentry wells which must be sampled if the HCC system has been down for more than 48 hours in the previous quarter. Finally, 4 of the quarterly locations and 4 of the semi-annual locations are undergoing monthly sampling as part of a pilot study. For this round of sampling, quarterly locations were required. Samples were collected from all required locations. The required analysis was completed by the laboratory for each collected sample.

<u>Analysis methods</u>: Each sample was extracted by method SW2510C and analyzed by method NWTPH-Dx. These methods are approved EPA methods and therefore meet comparability requirements.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 100% was calculated based on 25 of 25 intended sample analyses completed. Please note that this data completeness percentage includes the samples for the 4 locations included the pilot study, which were validated separately. The project goal of 90% was met.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

Each batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. These criteria were met.

<u>Laboratory and field blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method or field blanks.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits.

<u>LCS/LCSD RPDs:</u> The laboratory control limit ranged from <24 to <26%. LCS/LCSD RPD values were within limits.

<u>Field duplicate RPDs:</u> For concentrations above five times the reporting limit, RPDs were below 50%. For concentrations below five times the reporting limits, concentrations were within +/- two times the reporting limit, with the following exception:

| FD ID | Analyte | FD Result (mg/L) | Sample Result (mg/L) | RL (mg/L) |
|-------------------------------------|---------------------|---------------------|-------------------------|--------------|
| 2A-W-410-121719 / 2A-W-41-121719 | #2 Diesel (C10-C24) | 0.49 | 0.31 | 0.064 |

The diesel result is qualified as estimated in the sample and field duplicate.

<u>Reporting limits</u>: The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as qualified.

4.0 Validation Qualifiers

| Client ID | Analyte(s) | Qualifier | Reason |
|-----------------|---------------------|-----------|--------------------|
| 2A-W-410-121719 | #2 Diesel (C10-C24) | J | High FD Difference |
| 2A-W-41-121719 | #2 Diesel (C10-C24) | J | High FD Difference |

5.0 Abbreviations and Definitions

| DV Qualifier | Definition |
|--------------|--|
| U | The material was analyzed for, but was not detected above the level of the |
| | associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample. |
| | |
| J | The analyte was positively identified. The associated numerical value is the |
| | approximate concentration of the analyte in the sample. |
| Ν | The analysis indicates the presence of an analyte for which there is |
| | presumptive evidence to make a tentative identification. |
| UJ | The material was analyzed for, but was not detected. The associated value |
| | is an estimate and may be inaccurate or imprecise. |
| R | The sample result is rejected. The presence or absence of the analyte |
| | cannot be verified and data are not usable. |
| | |
| R1 | The sample result has been replaced by a more reliable or more |
| | conservative result. |

| <u>DV Qualifier</u> R2 | <u>Definition</u> The sample result has been replaced by a result from a different analysis method. |
|---------------------------|---|
| Abbreviation | Definition |
| DV | Data Validation |
| LCS | Laboratory control sample |
| LCSD | Laboratory control sample duplicate |
| MS | Matrix spike |
| MSD | Matrix spike duplicate |
| RL | Reporting limit |
| RPD | Relative percent difference |
| RSD | Relative standard deviation |

6.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.



DATA VALIDATION REPORT

Skykomish Hydraulic Control and Containment Pilot Study March 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

April 22, 2019

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID* | Sample Date/Time | Lab ID | Analyses |
|---------------|------------------|--------------|----------|
| 5-W-43-031919 | 03/19/2019 17:07 | 580-84844-1 | TPH-Dx |
| EW-1-031919 | 03/19/2019 16:36 | 580-84844-2 | TPH-Dx |
| FGW-WV-031919 | 03/19/2019 15:00 | 580-84844-4 | TPH-Dx |
| FWG-EV-031919 | 03/19/2019 14:38 | 580-84844-11 | TPH-Dx |
| GW-1-031919 | 03/19/2019 17:20 | 580-84844-9 | TPH-Dx |
| GW-2-031919 | 03/19/2019 17:54 | 580-84844-14 | TPH-Dx |
| PZ-7S-031919 | 03/19/2019 16:11 | 580-84844-10 | TPH-Dx |
| PZ-8-031919 | 03/19/2019 15:45 | 580-84844-3 | TPH-Dx |
| S2-AD-031919 | 03/19/2019 11:40 | 580-84844-7 | TPH-Dx |
| S2-AU-031919 | 03/19/2019 11:18 | 580-84844-8 | TPH-Dx |
| S2-BD-031919 | 03/19/2019 12:18 | 580-84844-13 | TPH-Dx |
| S2-BU-031919 | 03/19/2019 11:55 | 580-84844-6 | TPH-Dx |
| WG-EV-031919 | 03/19/2019 14:25 | 580-84844-12 | TPH-Dx |
| WG-WV-031919 | 03/19/2019 14:20 | 580-84844-5 | TPH-Dx |

* Sample PZ-7S-031919 was reported by the laboratory as PZ-75-031919. The correct sample ID is used in the above table.

Samples were analyzed by Test America, Tacoma, Washington.

A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative. No qualifiers were assigned based on this review.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> 14 locations are sampled monthly. Samples were collected from required locations and the required analysis was completed by the laboratory for each collected sample.

<u>Analysis methods</u>: Each sample was analyzed by method NWTPH-Dx and prepared by method SW3510C. These methods are approved EPA methods and therefore meet comparability requirements.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 100% was calculated based on 14 of 14 intended sample analyses completed. This meets the project goal of 90%.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

Each batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. Samples were extracted and analyzed within holding times.

<u>Laboratory and field blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method or field blanks.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits.

<u>LCS/LCSD RPDs:</u> The laboratory control limits were <24 and <26%. LCS/LCSD RPD values were within limits.

<u>Reporting limits</u>: The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as reported.

4.0 Abbreviations and Definitions

| <u>DV Qualifier</u> U J | <u>Definition</u> The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample. The analyte was positively identified. The associated numerical value is the |
|--|--|
| | approximate concentration of the analyte in the sample. |
| Ν | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| UJ | The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. |
| R | The sample result is rejected. The presence or absence of the analyte cannot be verified and data are not usable. |
| R1 | The sample result has been replaced by a more reliable or more conservative result. |
| R2 | The sample result has been replaced by a result from a different analysis method. |
| Abbreviation DV LCS LCSD MS MSD RL RPD RSD | Definition Data Validation Laboratory control sample Laboratory control sample duplicate Matrix spike Matrix spike duplicate Reporting limit Relative percent difference Relative standard deviation |

5.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.



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DATA VALIDATION REPORT

Skykomish Hydraulic Control and Containment Pilot Study June 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

July 19, 2019

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|---------------|------------------|--------------|----------|
| GW-1-061819 | 06/18/2019 09:51 | 580-87060-1 | TPH-Dx |
| S2-BU-061819 | 06/18/2019 15:30 | 580-87060-10 | TPH-Dx |
| S2-AD-061819 | 06/18/2019 15:39 | 580-87060-11 | TPH-Dx |
| WG-WV-061819 | 06/18/2019 16:05 | 580-87060-12 | TPH-Dx |
| WG-EV-061819 | 06/18/2019 16:10 | 580-87060-13 | TPH-Dx |
| FWG-EV-061819 | 06/18/2019 16:48 | 580-87060-14 | TPH-Dx |
| FWG-WV-061819 | 06/18/2019 16:52 | 580-87060-15 | TPH-Dx |
| PZ-7S-061819 | 06/18/2019 10:00 | 580-87060-2 | TPH-Dx |
| PZ-8-061819 | 06/18/2019 11:15 | 580-87060-3 | TPH-Dx |
| 5-W-43-061819 | 06/18/2019 11:16 | 580-87060-4 | TPH-Dx |
| EW-1-061819 | 06/18/2019 14:18 | 580-87060-5 | TPH-Dx |
| GW-2-061819 | 06/18/2019 14:35 | 580-87060-6 | TPH-Dx |
| GW-20-061819 | 06/18/2019 14:45 | 580-87060-7 | TPH-Dx |
| S2-BD-061819 | 06/18/2019 14:57 | 580-87060-8 | TPH-Dx |
| S2-AU-061819 | 06/18/2019 15:12 | 580-87060-9 | TPH-Dx |

Samples were analyzed by Test America, Tacoma, Washington. A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative. No qualifiers were assigned based on this review.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> 14 locations are sampled monthly. Samples were collected from required locations and the required analysis was completed by the laboratory for each collected sample. Sample identifiers matched the chain of custody with one exception: Sample 5-W-43-061819 was listed as S-W-43-061819. The corrected sample ID has been used in the above table.

<u>Analysis methods</u>: Each sample was analyzed by method NWTPH-Dx and prepared by method SW3510C. These methods are approved EPA methods and therefore meet comparability requirements.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 100% was calculated based on 14 of 14 intended sample analyses completed. This meets the project goal of 90%.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

This batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. Samples were extracted and analyzed within holding times.

<u>Laboratory blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method blanks.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits.

<u>LCS/LCSD RPDs:</u> The laboratory control limits were <24 and <26%. LCS/LCSD RPD values were within limits.

<u>Field duplicate variability:</u> Target analytes were not detected in the sample or field duplicate, showing good agreement.

<u>Reporting limits:</u> The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as reported.

4.0 Abbreviations and Definitions

| DV Qualifier U J N UJ R R1 R2 | <u>Definition</u> The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample. The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample. The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. The sample result is rejected. The presence or absence of the analyte cannot be verified and data are not usable. The sample result has been replaced by a more reliable or more conservative result. The sample result has been replaced by a result from a different analysis method. |
|--|--|
| Abbreviation | Definition |
| DV | Data Validation |
| LCS | Laboratory control sample |
| LCSD | Laboratory control sample duplicate |
| MS | Matrix spike |
| MSD | Matrix spike duplicate |
| RL | Reporting limit |
| RPD | Relative percent difference |
| RSD | Relative standard deviation |

5.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.



DATA VALIDATION REPORT

Skykomish Hydraulic Control and Containment Pilot Study September 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

October 14, 2019

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|---------------|------------------|--------------|----------|
| GW-1-091919 | 09/19/2019 08:20 | 580-89413-1 | TPH-Dx |
| WG-EV-091919 | 09/19/2019 10:25 | 580-89413-10 | TPH-Dx |
| FWG-EV-091919 | 09/19/2019 10:47 | 580-89413-11 | TPH-Dx |
| S2-AU-091919 | 09/19/2019 11:15 | 580-89413-12 | TPH-Dx |
| S2-AD-091919 | 09/19/2019 11:22 | 580-89413-13 | TPH-Dx |
| S2-BD-091919 | 09/19/2019 11:28 | 580-89413-14 | TPH-Dx |
| S2-BU-091919 | 09/19/2019 11:30 | 580-89413-15 | TPH-Dx |
| GW-20-091919 | 09/19/2019 16:30 | 580-89413-16 | TPH-Dx |
| 5-W-43-091919 | 09/19/2019 08:22 | 580-89413-2 | TPH-Dx |
| PZ-7S-091919 | 09/19/2019 08:24 | 580-89413-3 | TPH-Dx |
| PZ-8-091919 | 09/19/2019 09:20 | 580-89413-4 | TPH-Dx |
| EW-1-091919 | 09/19/2019 09:21 | 580-89413-5 | TPH-Dx |
| EW-10-091919 | 09/19/2019 09:25 | 580-89413-6 | TPH-Dx |
| GW-2-091919 | 09/19/2019 09:21 | 580-89413-7 | TPH-Dx |
| WG-WV-091919 | 09/19/2019 10:09 | 580-89413-8 | TPH-Dx |
| FWG-WV-091919 | 09/19/2019 10:25 | 580-89413-9 | TPH-Dx |

*Please note that sample PZ-7S-091919 was reported by the laboratory as PZ-75-091919. The correct sample ID is used above.

Samples were analyzed by Test America, Tacoma, Washington.

A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative. No qualifiers were assigned based on this review.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> 14 locations are sampled monthly. Samples were collected from required locations and the required analysis was completed by the laboratory for each collected sample.

<u>Analysis methods</u>: Each sample was analyzed by method NWTPH-Dx and prepared by method SW3510C. These methods are approved EPA methods and therefore meet comparability requirements.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 100% was calculated based on 14 of 14 intended sample analyses completed. This meets the project goal of 90%.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

Each batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. Samples were extracted and analyzed within holding times.

<u>Laboratory blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method blanks.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits.

<u>LCS/LCSD RPDs:</u> The laboratory control limits were <24 and <26%. LCS/LCSD RPD values were within limits.

<u>Field duplicate RPDs:</u> For concentrations above five times the reporting limit, RPDs were below 50%. For concentrations below five times the reporting limits, concentrations were within +/- two times the reporting limit.

<u>Reporting limits</u>: The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as reported.

4.0 Abbreviations and Definitions

| DV Qualifier U J N UJ R R1 | Definition The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample. The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample. The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. The sample result is rejected. The presence or absence of the analyte cannot be verified and data are not usable. The sample result has been replaced by a more reliable or more |
|--|---|
| R2 | conservative result. The sample result has been replaced by a result from a different analysis method. |
| Abbreviation DV LCS LCSD MS MSD RL RPD RSD | Definition Data Validation Laboratory control sample Laboratory control sample duplicate Matrix spike Matrix spike duplicate Reporting limit Relative percent difference Relative standard deviation |

5.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.



DATA VALIDATION REPORT

Skykomish Hydraulic Control and Containment Pilot Study December 2019 Data

Prepared for: Farallon Consulting, LLC 975 5th Avenue NW Issaquah, Washington 98027

January 13, 2020

1.0 Introduction

Data validation was performed on the following water samples:

| Sample ID | Sample Date/Time | Lab ID | Analyses |
|---------------|------------------|--------------|----------|
| PZ-80-121819 | 12/18/2019 11:25 | 580-91664-1 | TPH-Dx |
| S2-AU-121819 | 12/18/2019 13:32 | 580-91664-2 | TPH-Dx |
| GW-1-121819 | 12/18/2019 13:55 | 580-91664-3 | TPH-Dx |
| S2-AD-121819 | 12/18/2019 11:38 | 580-91664-4 | TPH-Dx |
| EW-1-121819 | 12/18/2019 10:30 | 580-91664-5 | TPH-Dx |
| S2-BD-121819 | 12/18/2019 09:47 | 580-91664-6 | TPH-Dx |
| 5-W-43-121819 | 12/18/2019 09:28 | 580-91664-7 | TPH-Dx |
| WG-WV-121819 | 12/18/2019 13:54 | 580-91664-8 | TPH-Dx |
| FWG-EV-121819 | 12/18/2019 14:35 | 580-91664-9 | TPH-Dx |
| S2-BU-121819 | 12/18/2019 10:18 | 580-91664-10 | TPH-Dx |
| FWG-WV-121819 | 12/18/2019 15:00 | 580-91664-11 | TPH-Dx |
| WG-EV-121819 | 12/18/2019 10:49 | 580-91664-12 | TPH-Dx |
| PZ-7S-121819 | 12/18/2019 14:52 | 580-91664-13 | TPH-Dx |
| GW-2-121819 | 12/18/2019 15:48 | 580-91664-14 | TPH-Dx |
| GW-20-121819 | 12/18/2019 15:55 | 580-91664-15 | TPH-Dx |

Samples were analyzed by Test America, Tacoma, Washington.

Please note: Sample PZ-80-121819 was listed on the chain of custody as PZ-8-12-1819. Sample FWG-EV-121819 was listed on the chain of custody AS FWG-EV.

A stage 2A summary validation was performed on the analytical results including both the hardcopy (portable document format) and electronic data deliverable, earning EPA OSWER validation label code S2AVEM. Validation was performed by Cari Sayler.

Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory narrative. No qualifiers were assigned based on this review.

2.0 Precision, Accuracy, Representativeness, Comparability, and Completeness

<u>Sample analysis frequencies:</u> 14 locations are sampled monthly. Samples were collected from required locations and the required analysis was completed by the laboratory for each collected sample.

<u>Analysis methods</u>: Each sample was analyzed by method NWTPH-Dx and prepared by method SW3510C. These methods are approved EPA methods and therefore meet comparability requirements.

<u>Precision, accuracy and completeness:</u> Accuracy and precision measurements were within control limits. A data completeness of 100% was calculated based on 14 of 14 intended sample analyses completed. This meets the project goal of 90%.

3.0 Diesel Range Petroleum Hydrocarbon Analysis

<u>Quality control analysis frequencies:</u> The method specifies that a method blank must be analyzed one per analytical batch or one per twenty samples, whichever is more frequent, and a laboratory duplicate must be analyzed one per ten samples. In addition, surrogate compounds must be measured in each field and quality control sample.

This batch included a method blank, laboratory control sample (LCS), and LCS duplicate (LCSD), as well as appropriate surrogates. Data qualifiers are not required due to a lack of laboratory duplicate results.

<u>Holding times:</u> Unpreserved water samples must be extracted within 7 days of collection. Preserved water samples must be extracted within 14 days of collection. Extracts must be analyzed within 40 days of extraction. Samples were extracted and analyzed within holding times.

<u>Laboratory blank results</u>: Criteria for blanks are that analyte concentrations must be below the PQL, or below 5% of the lowest associated sample concentration. No target compounds were detected in the method blanks.

<u>Surrogate recoveries:</u> Laboratory control limits were 50-150%. Surrogate recoveries were within limits.

<u>LCS recoveries:</u> Laboratory control limits were 50-120% and 64-120%. LCS recoveries were within limits.

<u>LCS/LCSD RPDs:</u> The laboratory control limits were <24 and <26%. LCS/LCSD RPD values were within limits.

<u>Reporting limits</u>: The reporting limit goals are 0.1 mg/L for both diesel range hydrocarbons and oil range hydrocarbons. These goals were met.

<u>Laboratory narrative and flags:</u> No qualifiers were added based on a review of the laboratory narrative or data flags.

Diesel and oil range petroleum hydrocarbon data are acceptable for use as reported.

4.0 Abbreviations and Definitions

| <u>DV Qualifier</u> U | <u>Definition</u> The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample. |
|--|--|
| J | The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample. |
| Ν | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| UJ | The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. |
| R | The sample result is rejected. The presence or absence of the analyte cannot be verified and data are not usable. |
| R1 | The sample result has been replaced by a more reliable or more conservative result. |
| R2 | The sample result has been replaced by a result from a different analysis method. |
| Abbreviation DV LCS LCSD MS MSD RL RPD RSD | Definition Data Validation Laboratory control sample Laboratory control sample duplicate Matrix spike Matrix spike duplicate Reporting limit Relative percent difference Relative standard deviation |

5.0 References

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency. January 2017, EPA-540-R-2017-002.
- USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, January 2009, EPA 540-R-08-005.

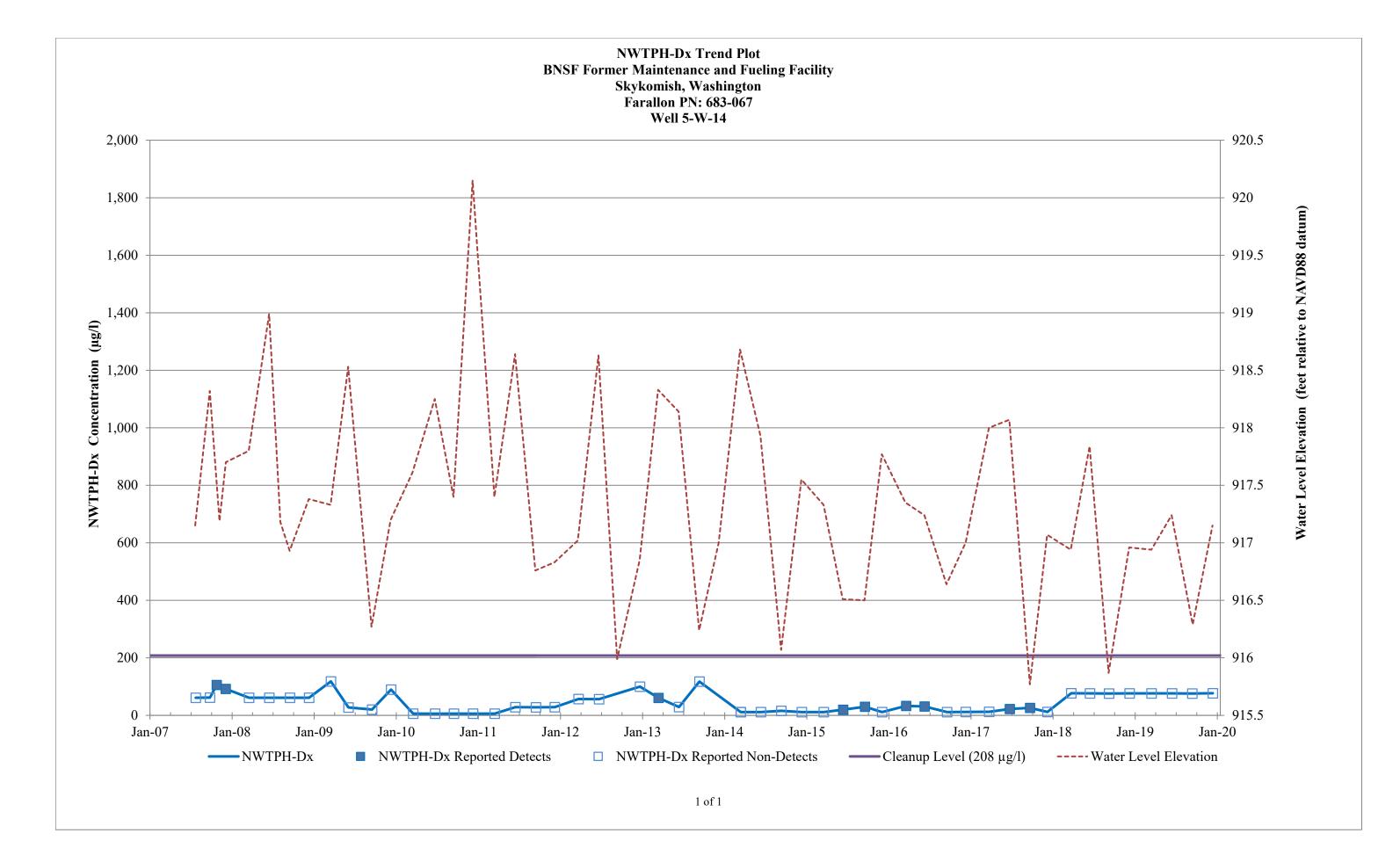
APPENDIX C NWTPH-Dx TREND PLOTS

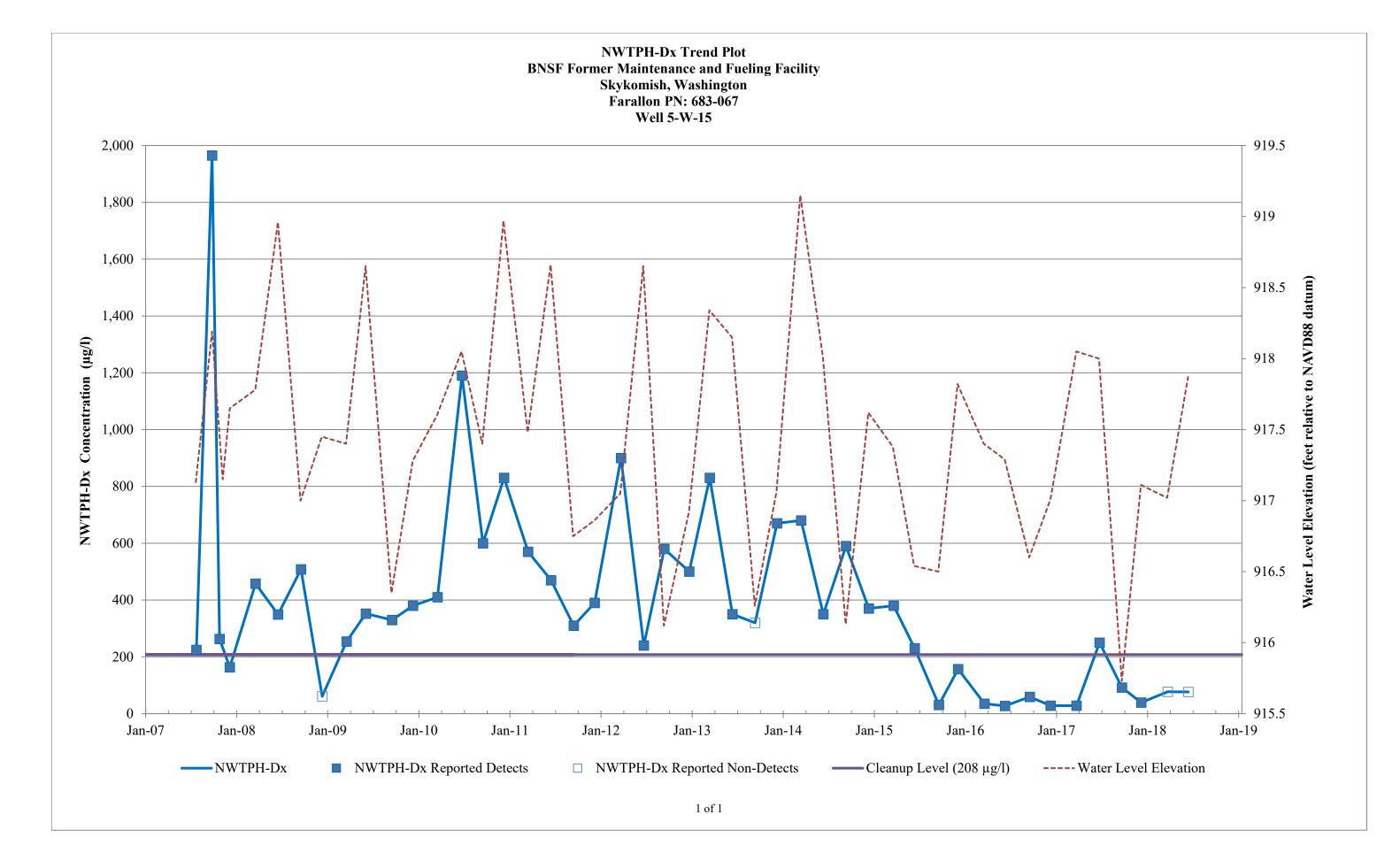
2019 SITE-WIDE GROUNDWATER MONITORING REPORT BNSF Former Maintenance and Fueling Facility Skykomish, Washington Consent Decree No. 07-2-33672-9 SEA

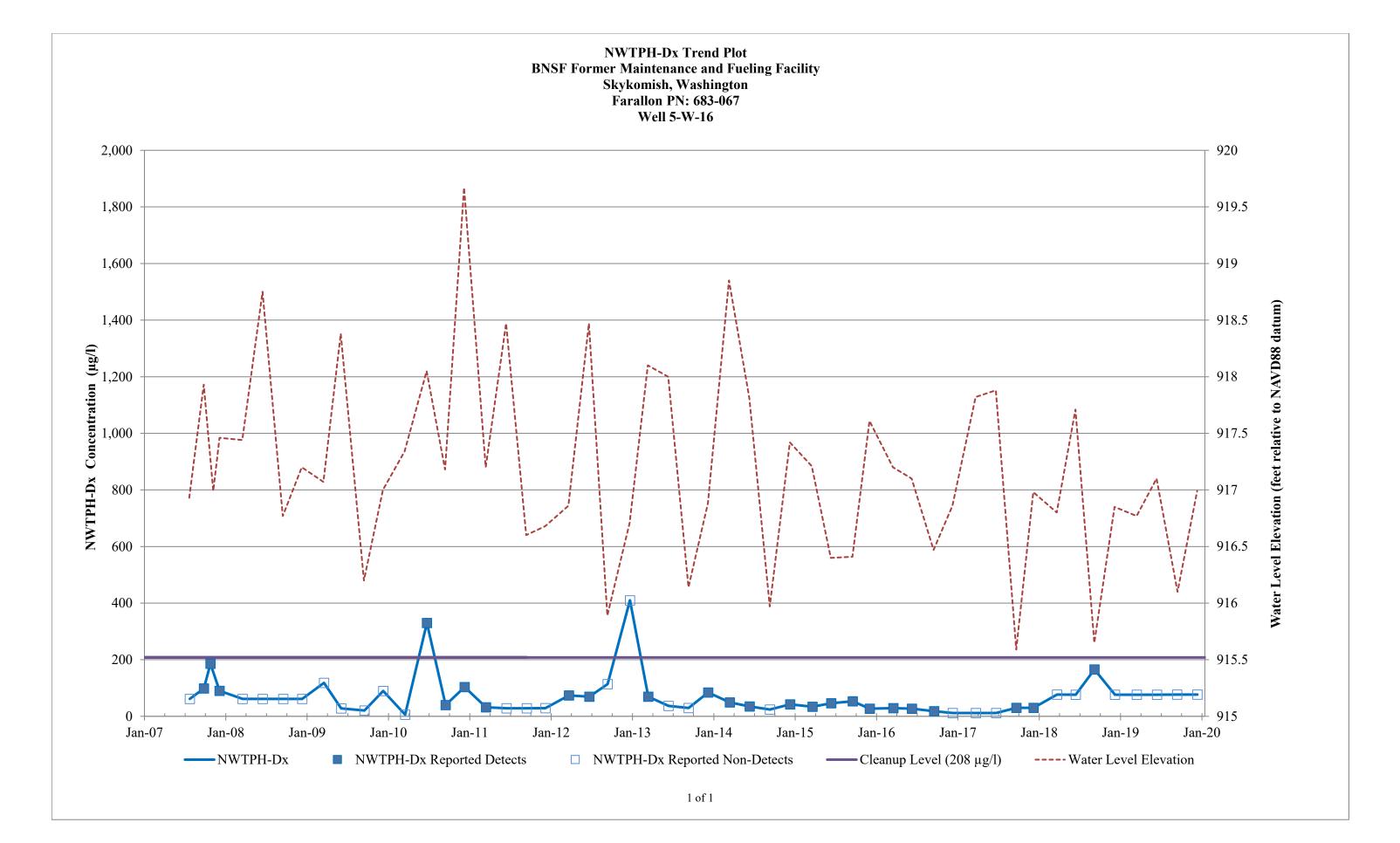
Farallon PN: 683-067

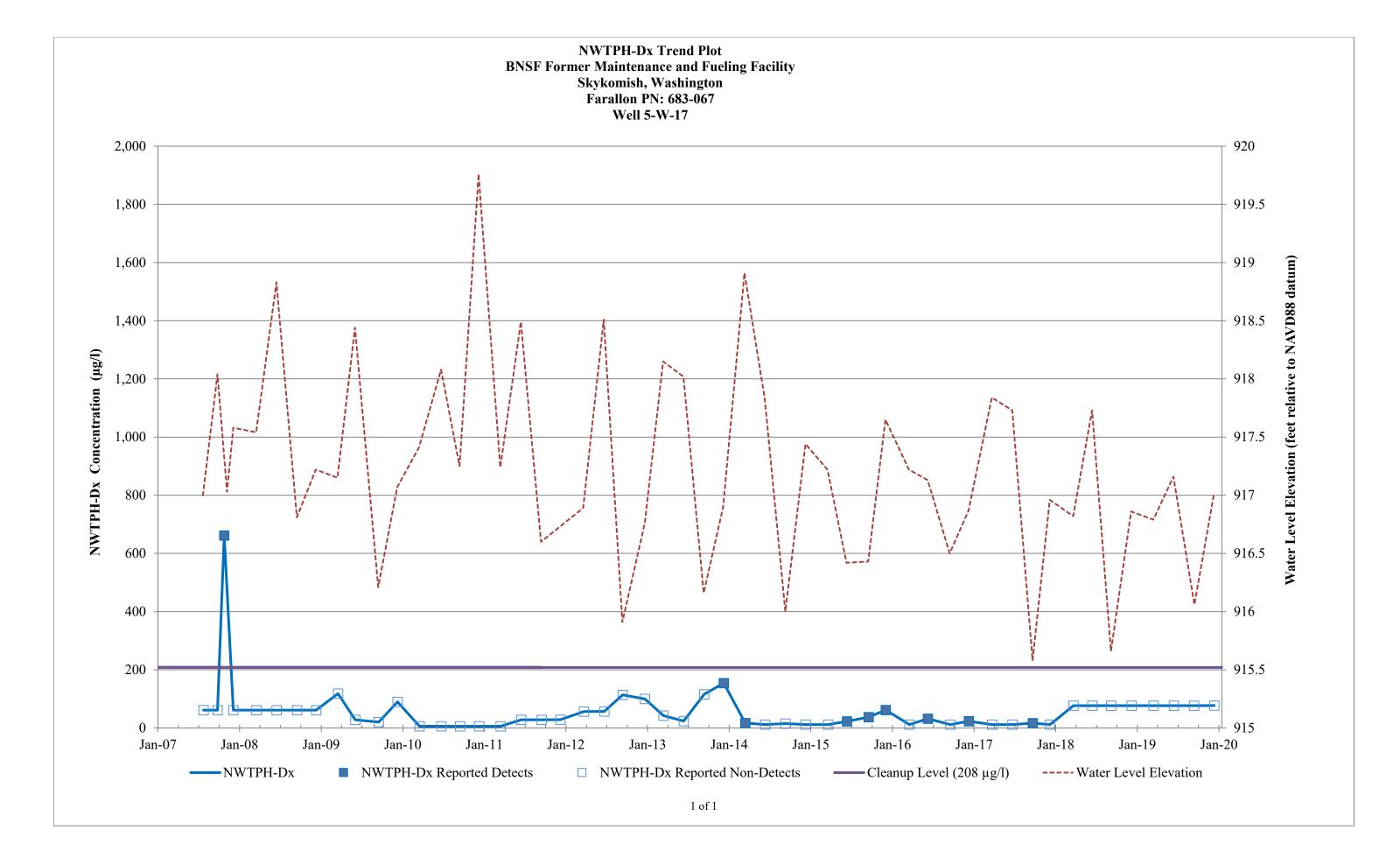
Levee Zone Monitoring Wells

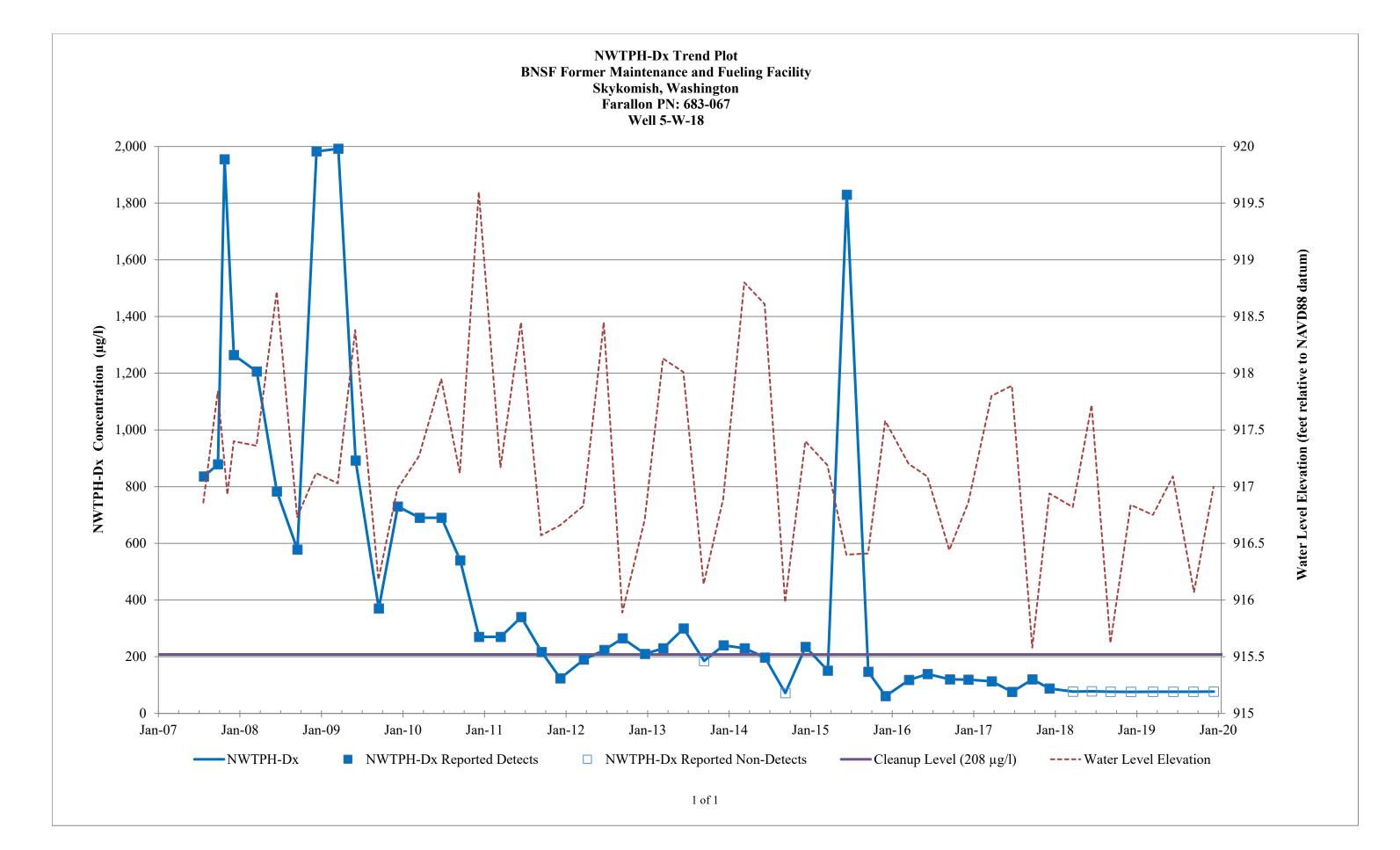
Note: Levee Zone monitoring well NWTPH-Dx groundwater results are compared to the Cleanup Level (CUL) of 208 micrograms per liter.



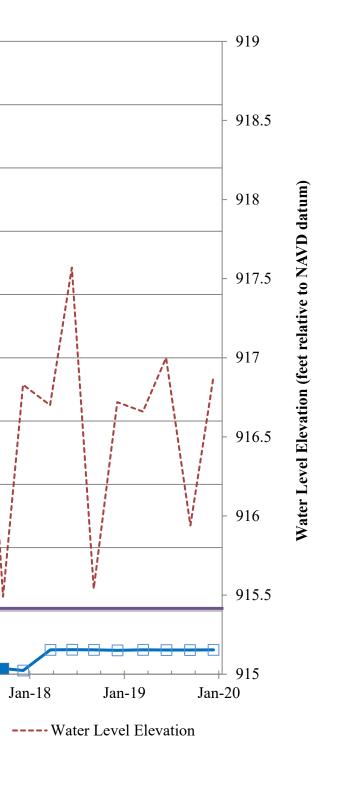






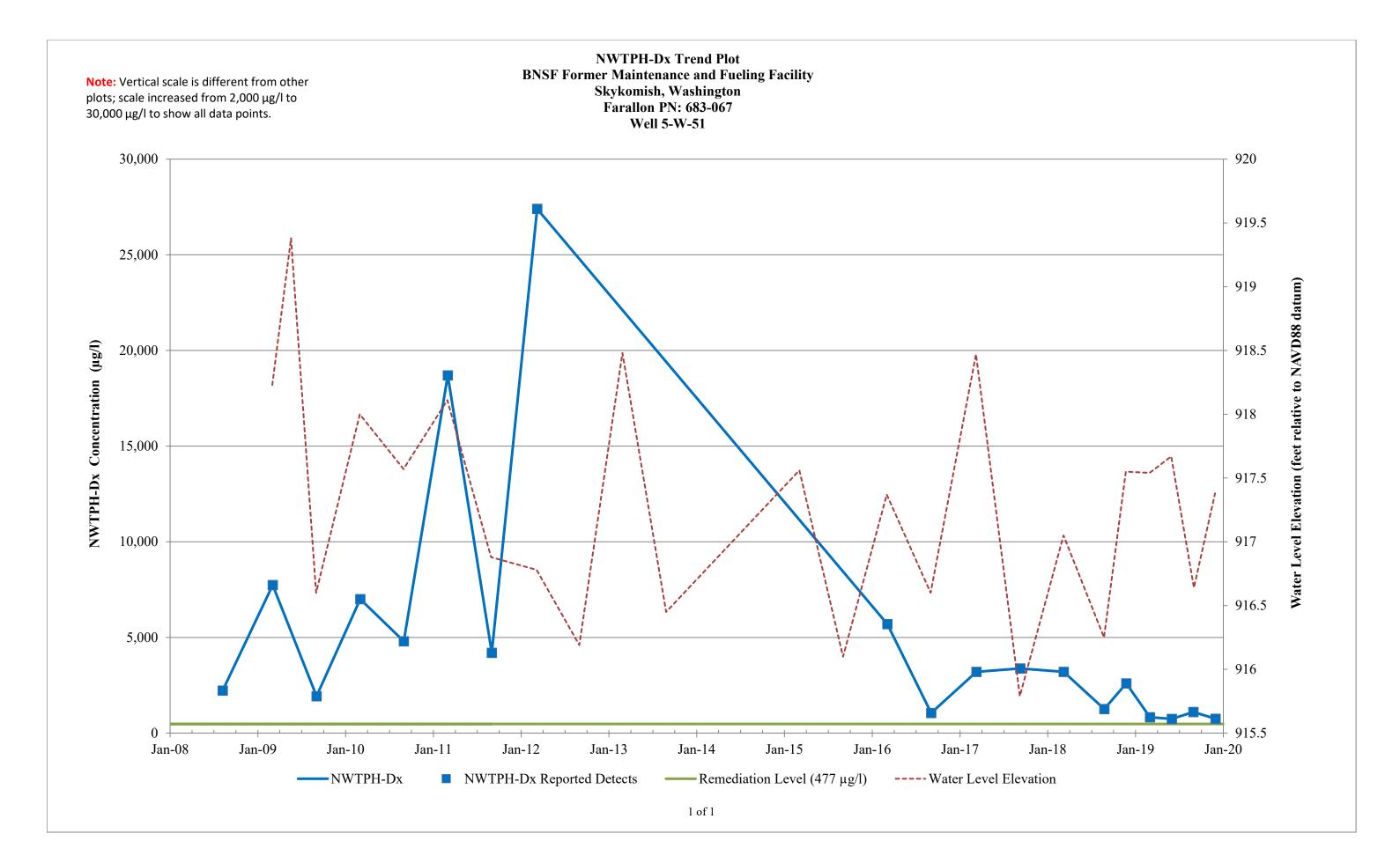


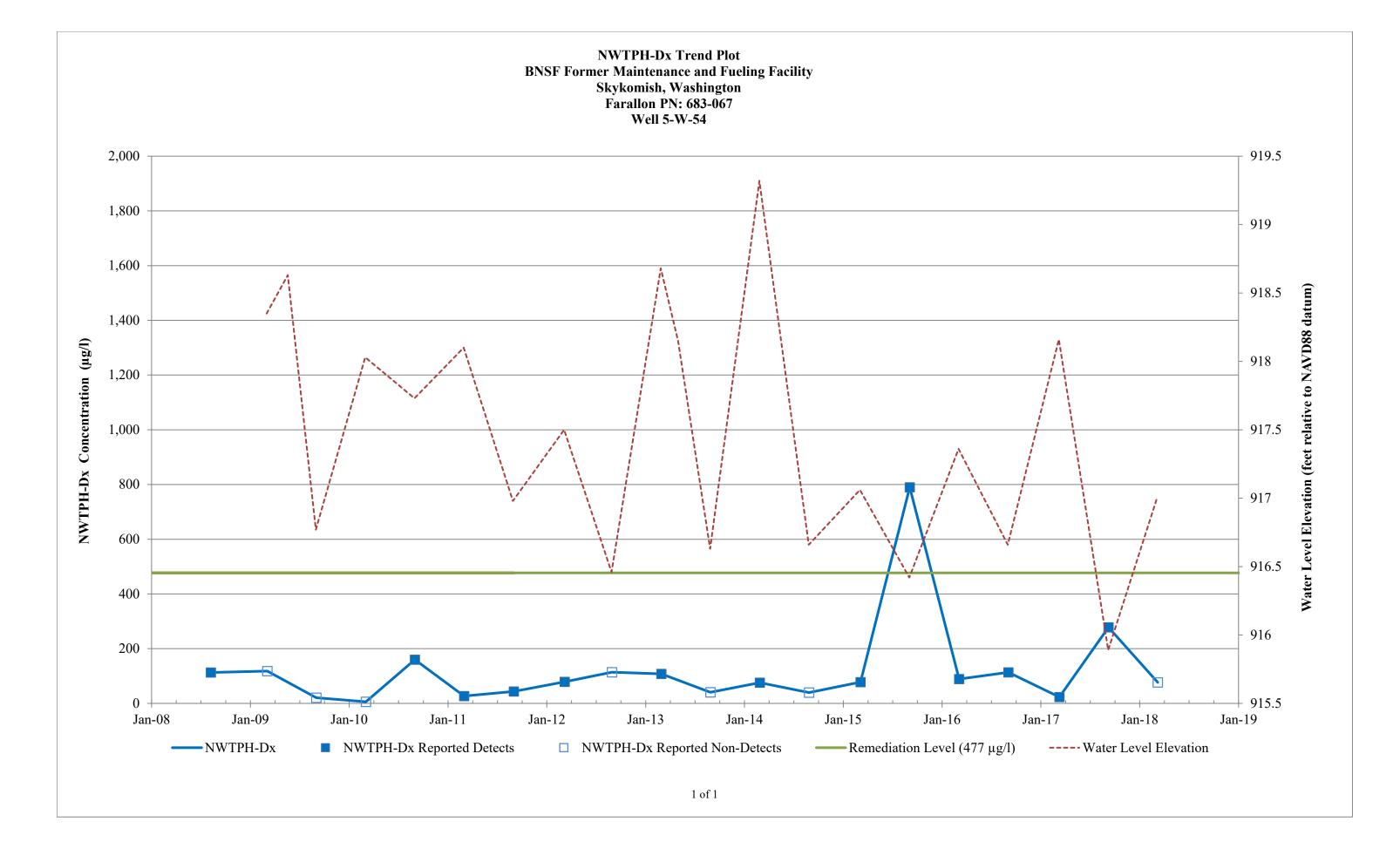
NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well 5-W-19 2,000 1,800 1,600 1,400 NWTPH-Dx Concentration (µg/l) 1'500 800 800 800 400 200 0 Jan-12 Jan-14 Jan-08 Jan-11 Jan-13 Jan-15 Jan-16 Jan-17 Jan-07 Jan-09 Jan-10 ■ NWTPH-Dx Reported Detects □ NWTPH-Dx Reported Non-Detects Cleanup Level (208 µg/l) 1 of 1

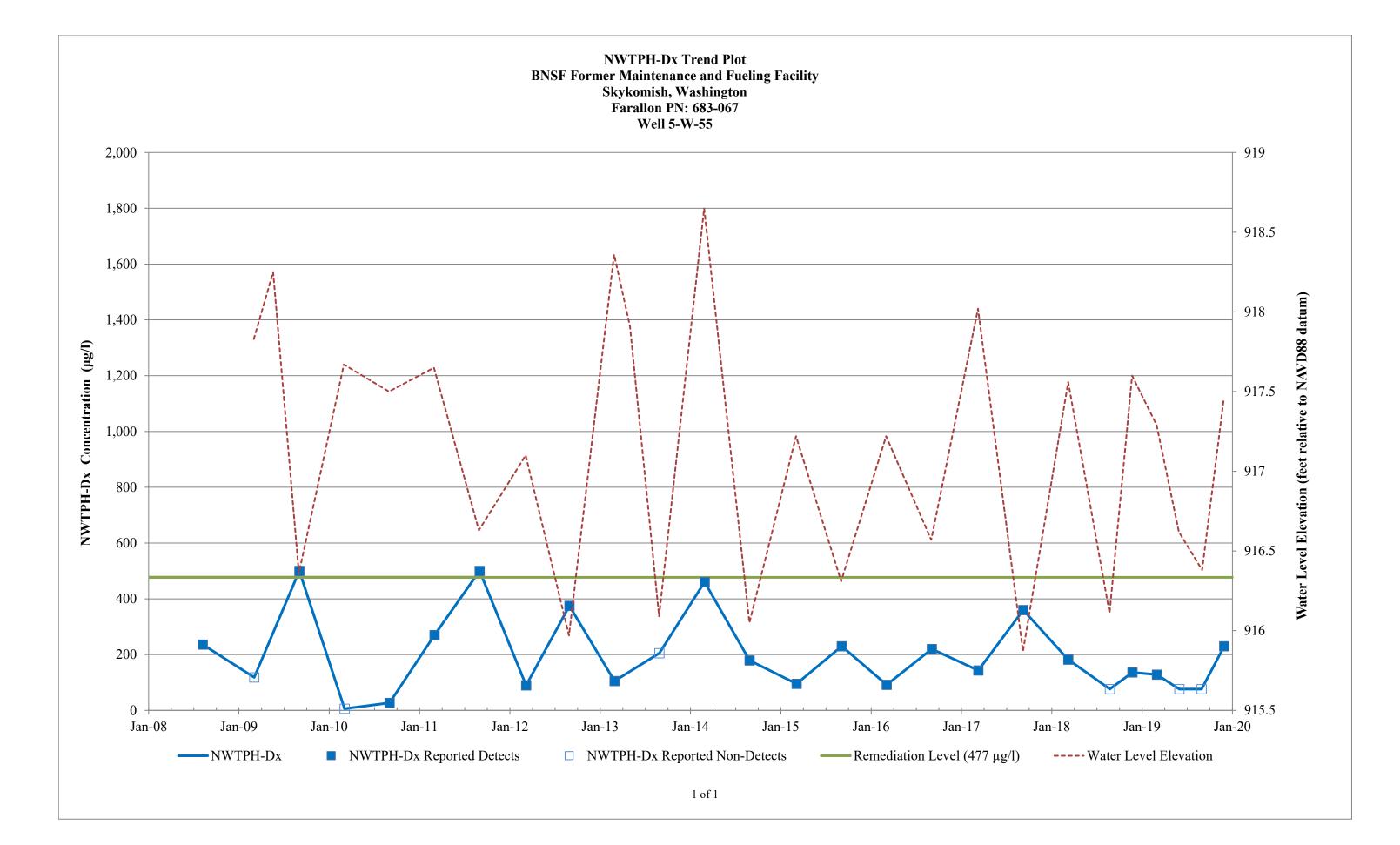


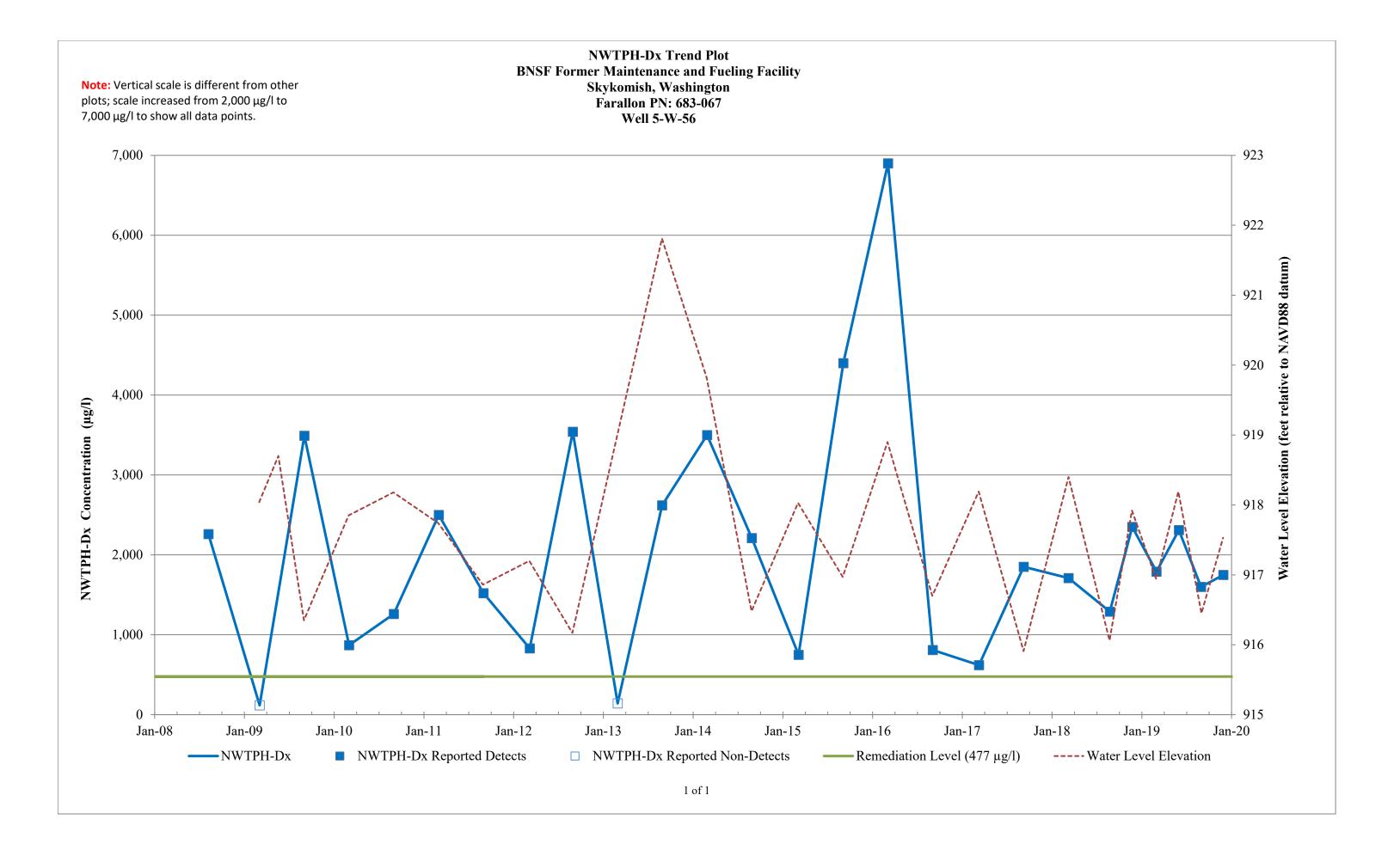
Schoolyard Monitoring Wells

Note: Schoolyard monitoring well NWTPH-Dx groundwater results are compared to the Remediation Level (RL) of 477 micrograms per liter.



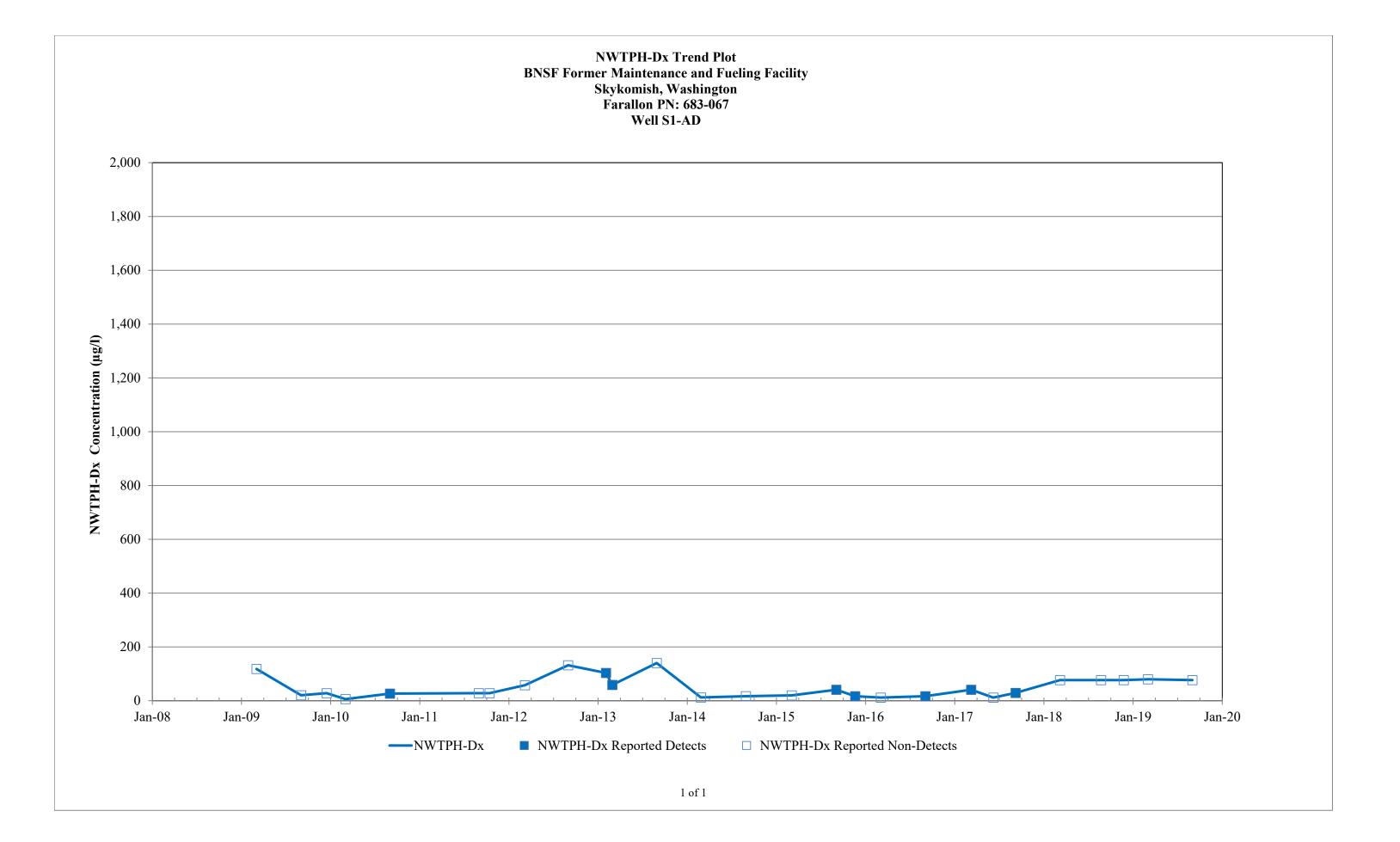


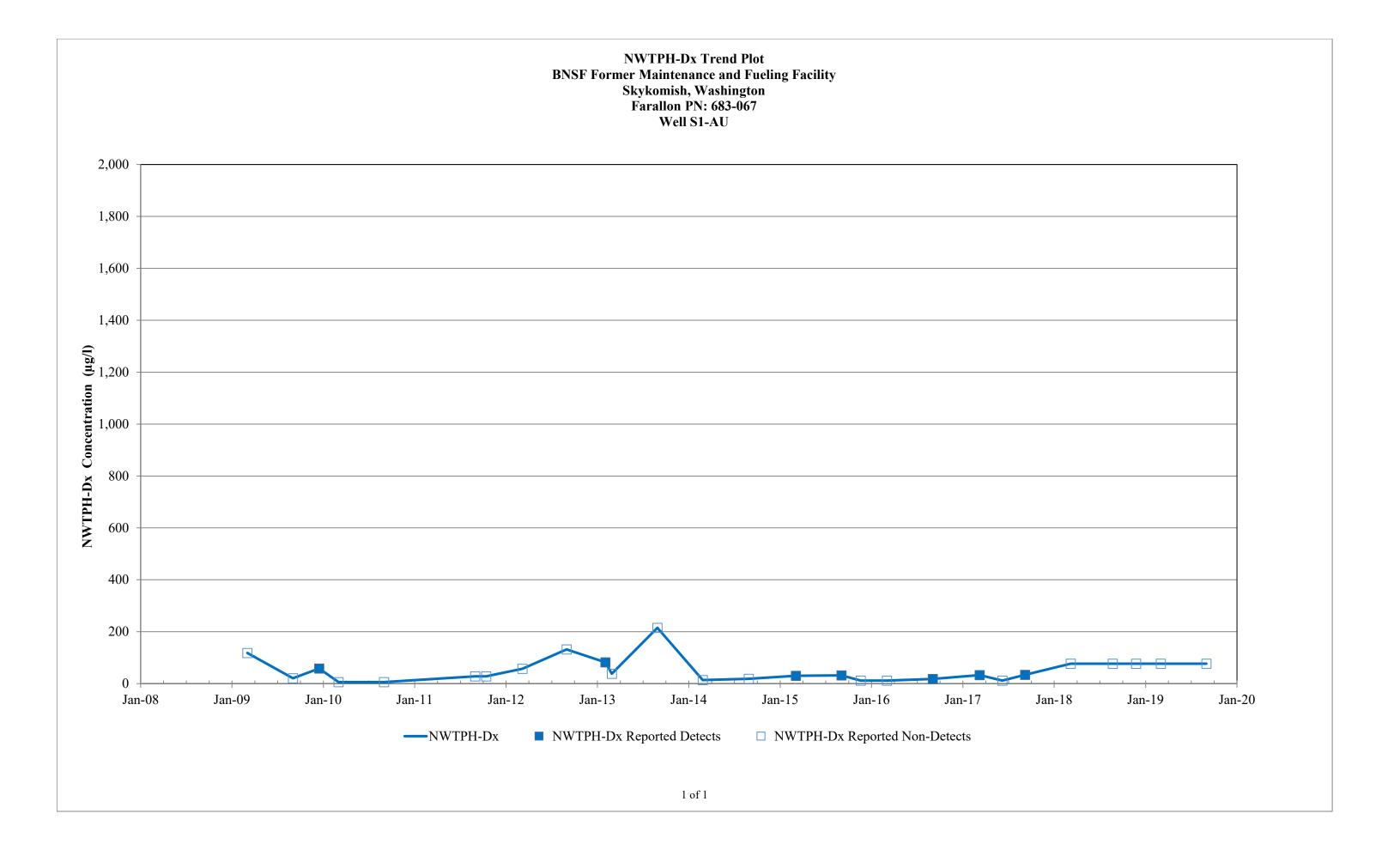


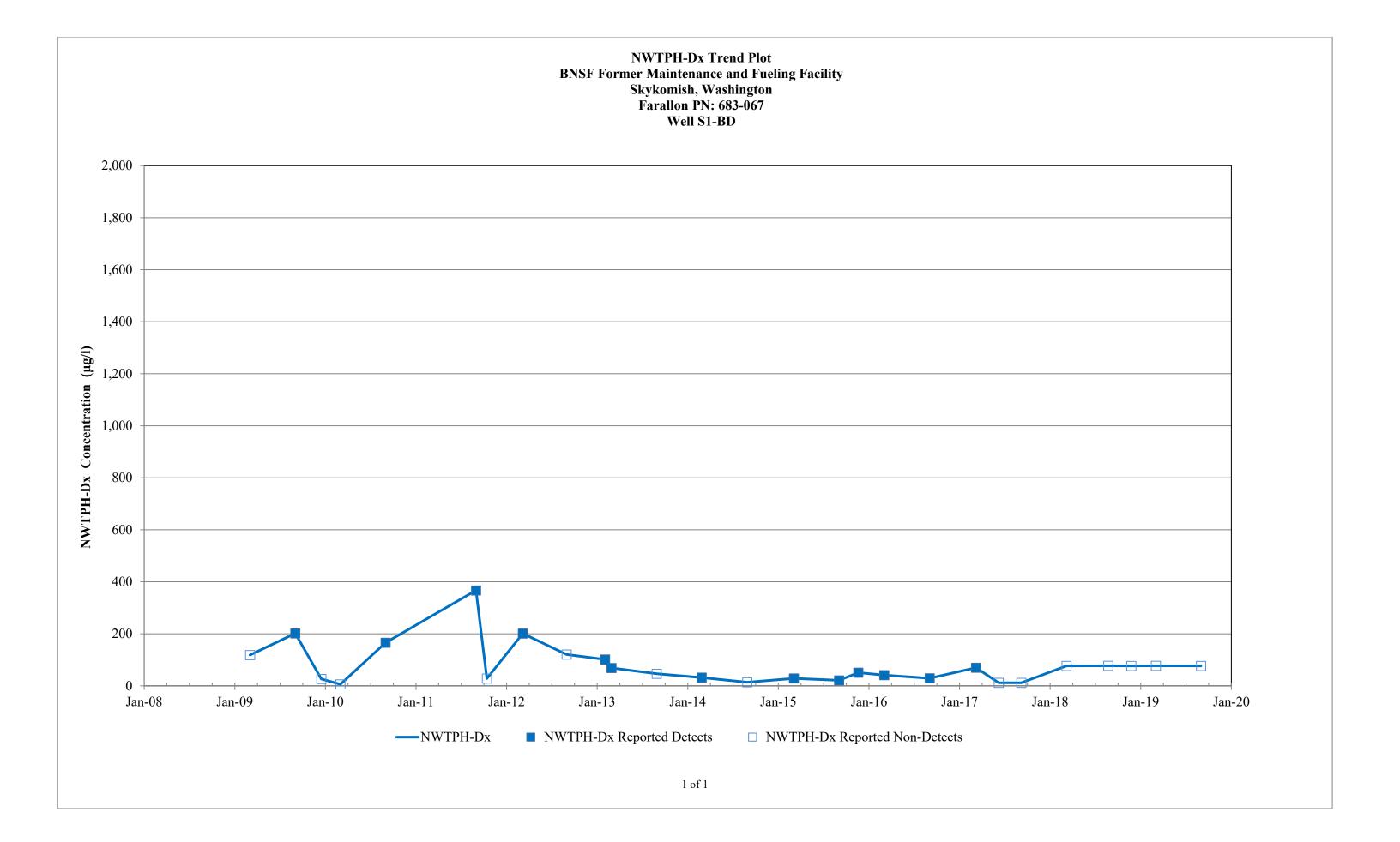


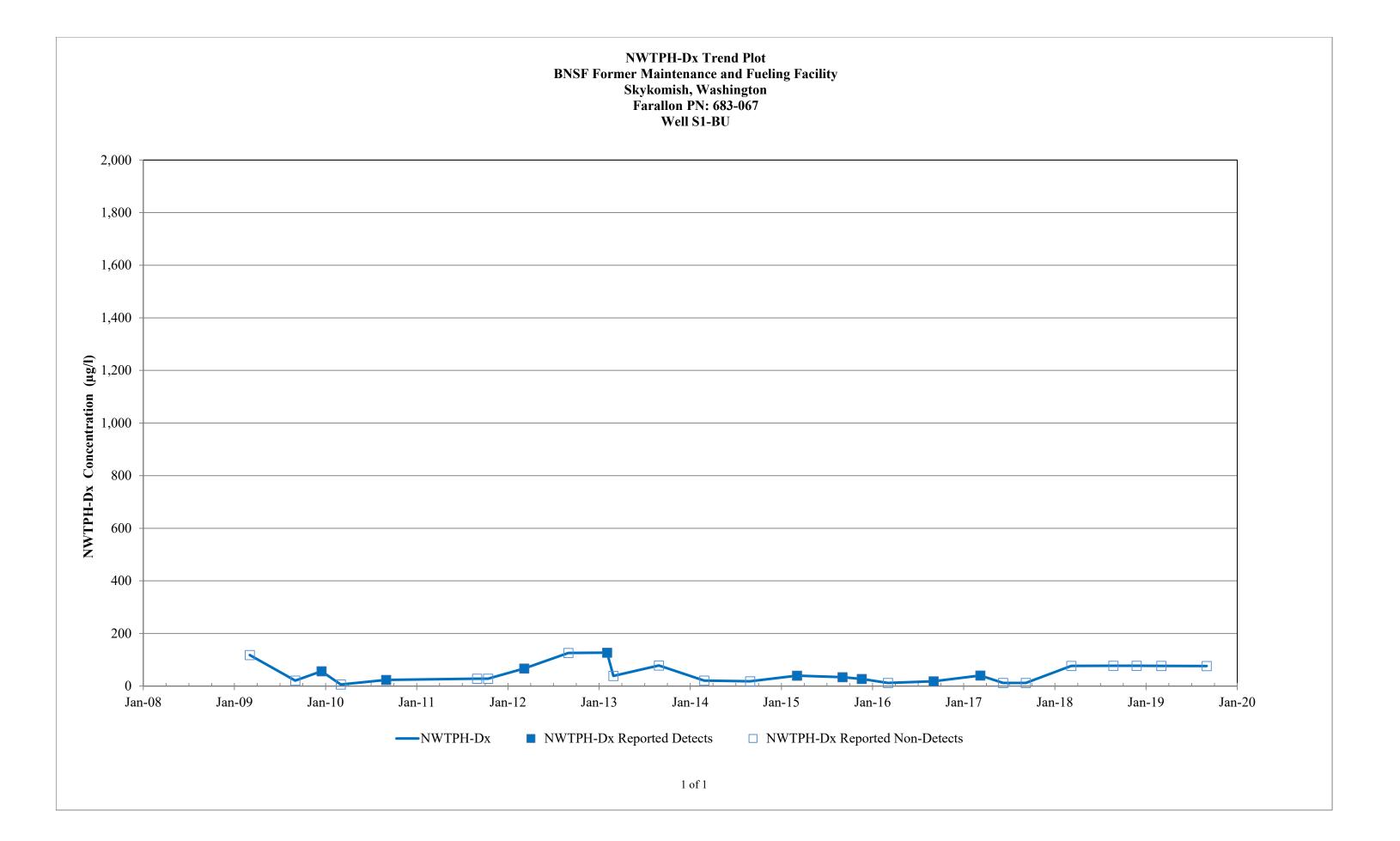
Hydraulic Control and Containment System Sentry Wells and Monitoring Wells

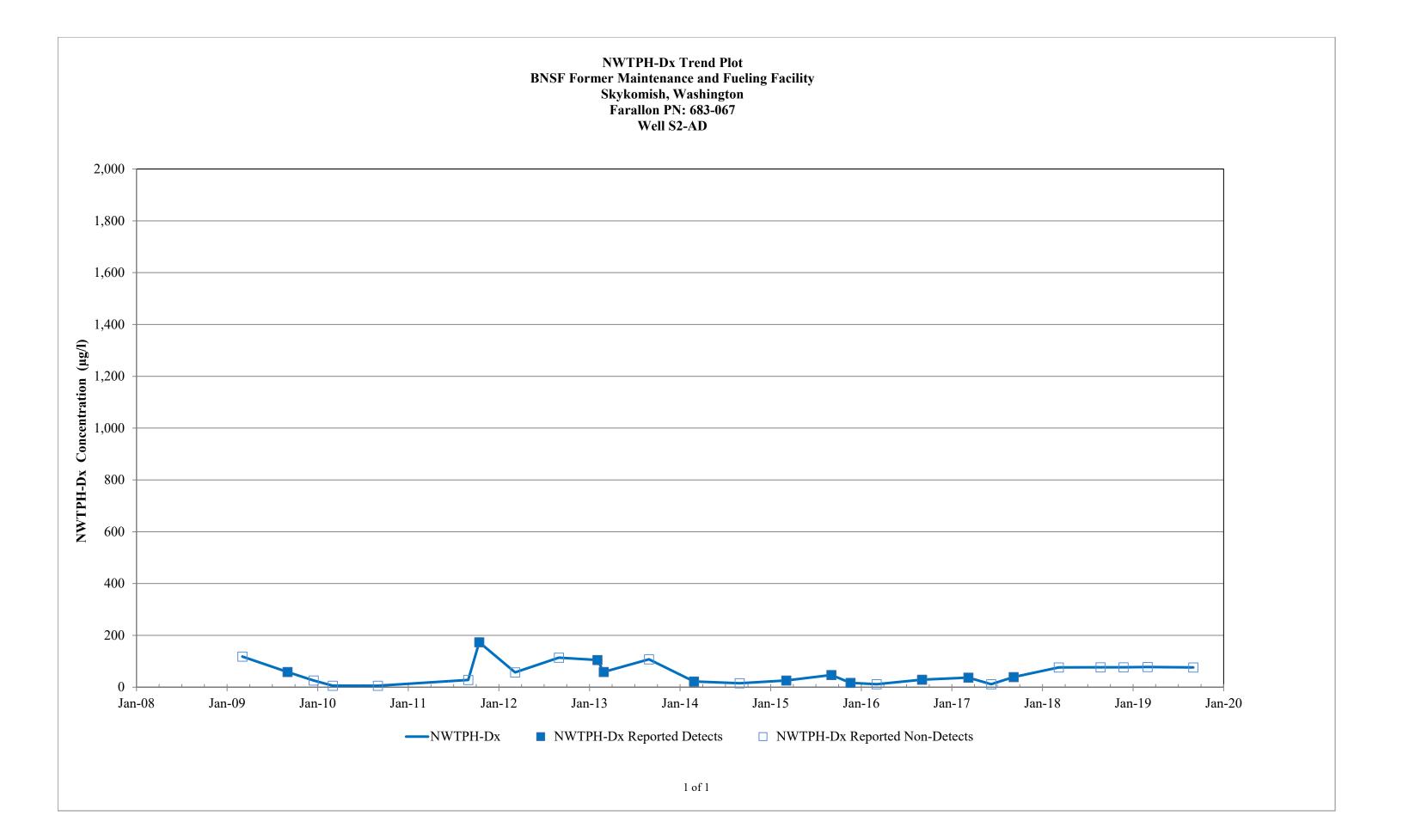
Note: Monitoring well NWTPH-Dx groundwater results from wells located north of the HCC barrier wall (i.e., downgradient of railyard) are compared to the RL of 477 micrograms per liter; NWTPH-Dx groundwater results from monitoring locations within and south of the HCC barrier wall (i.e., within the railyard) have no NWTPH-Dx target.

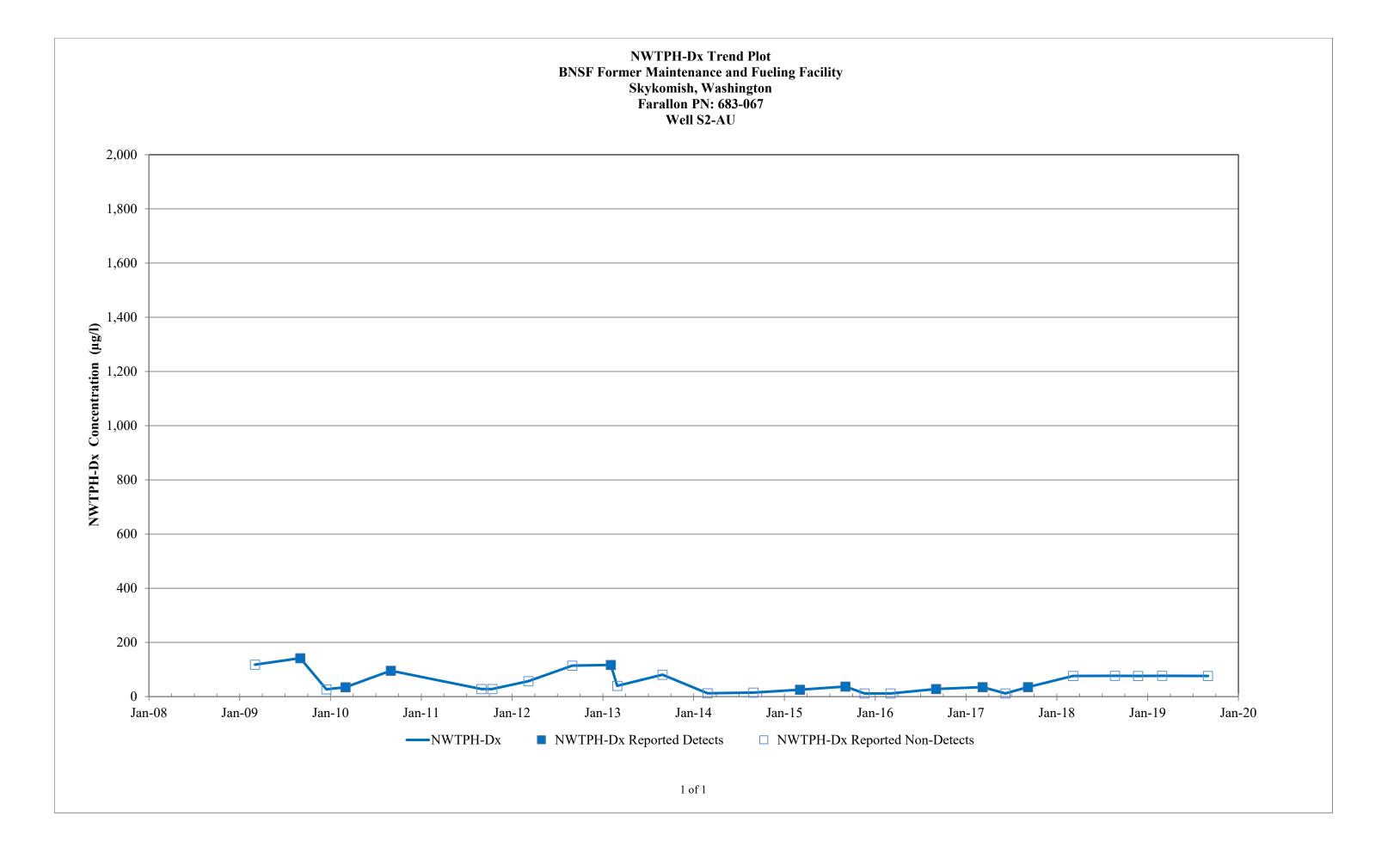


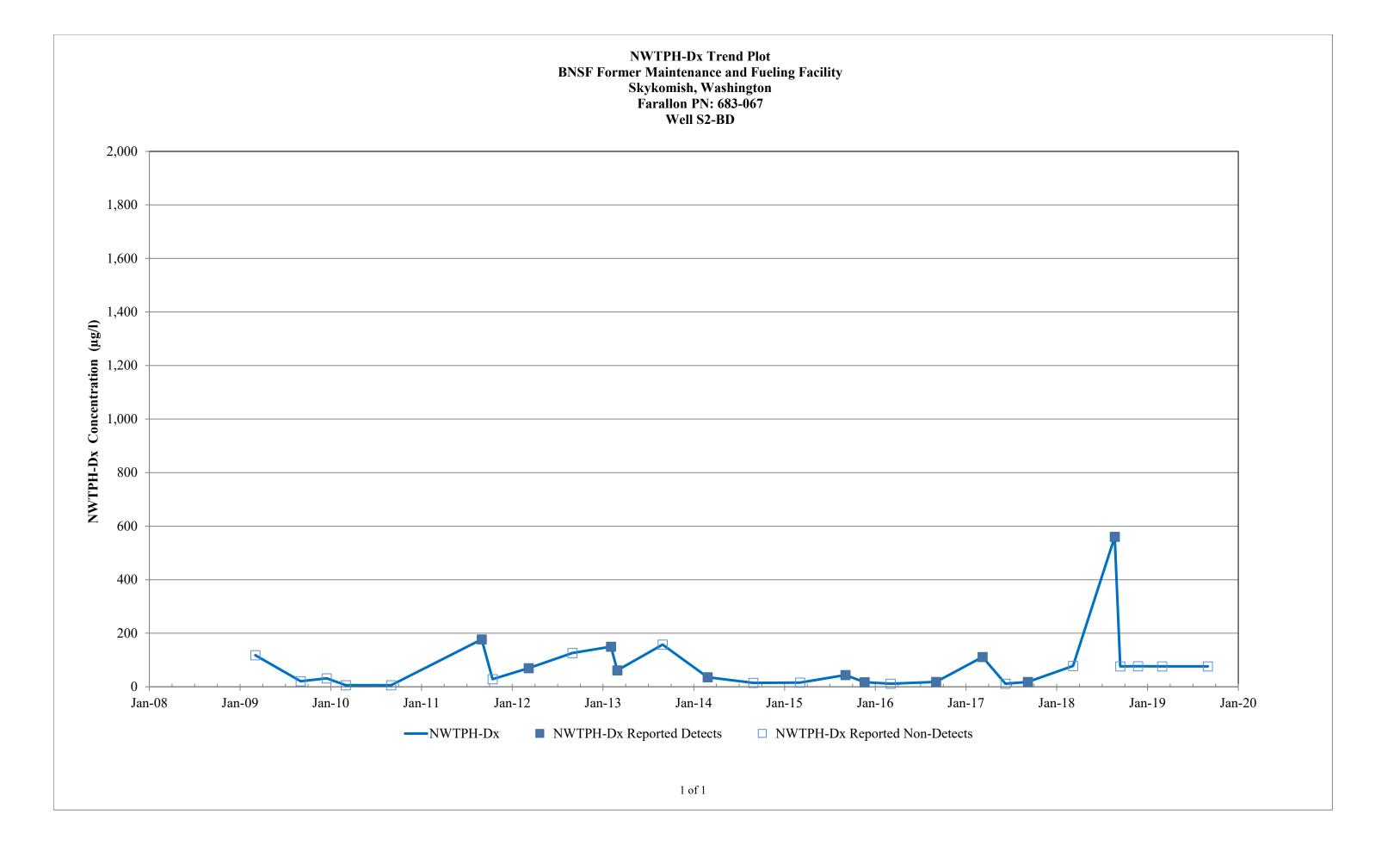


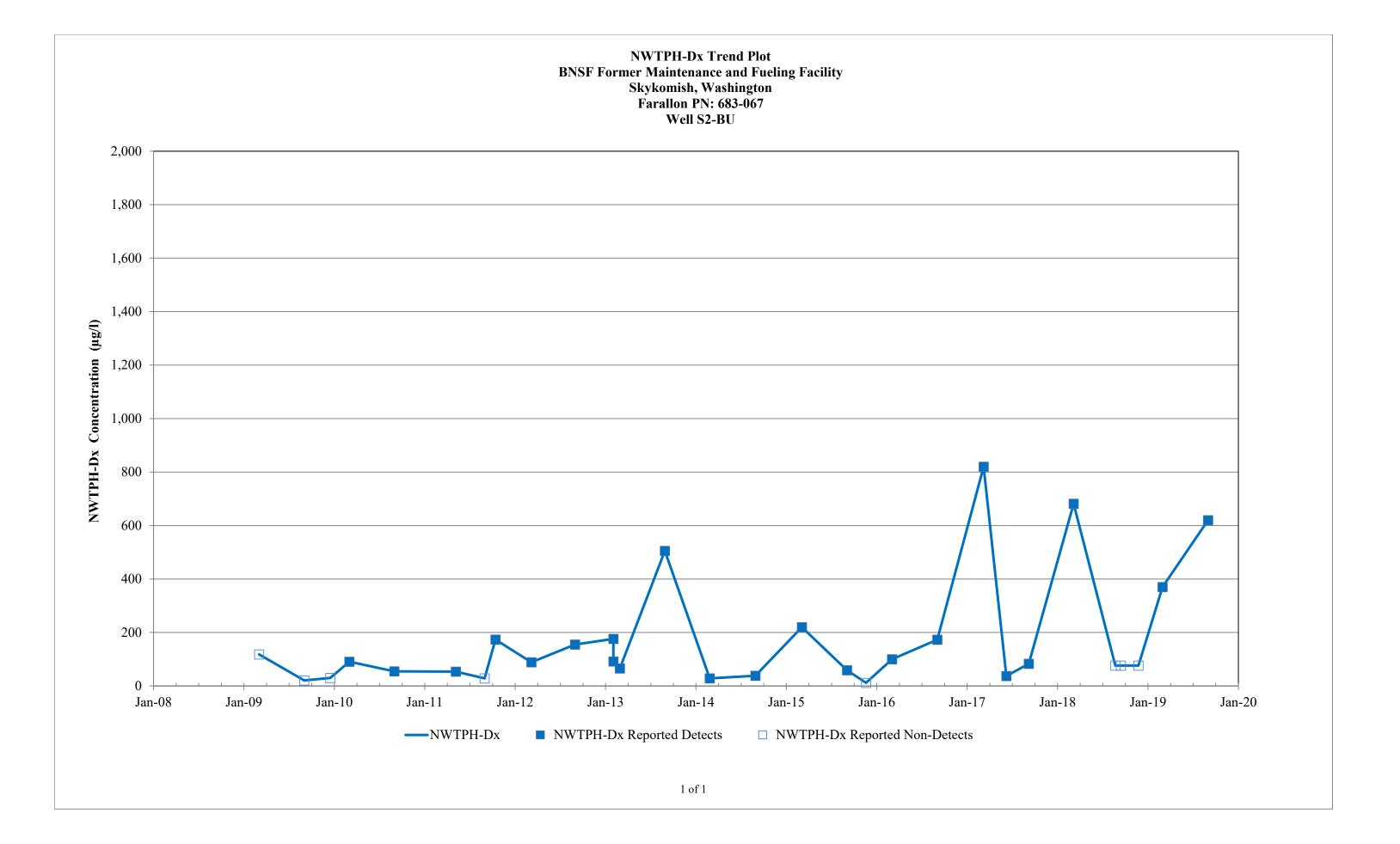


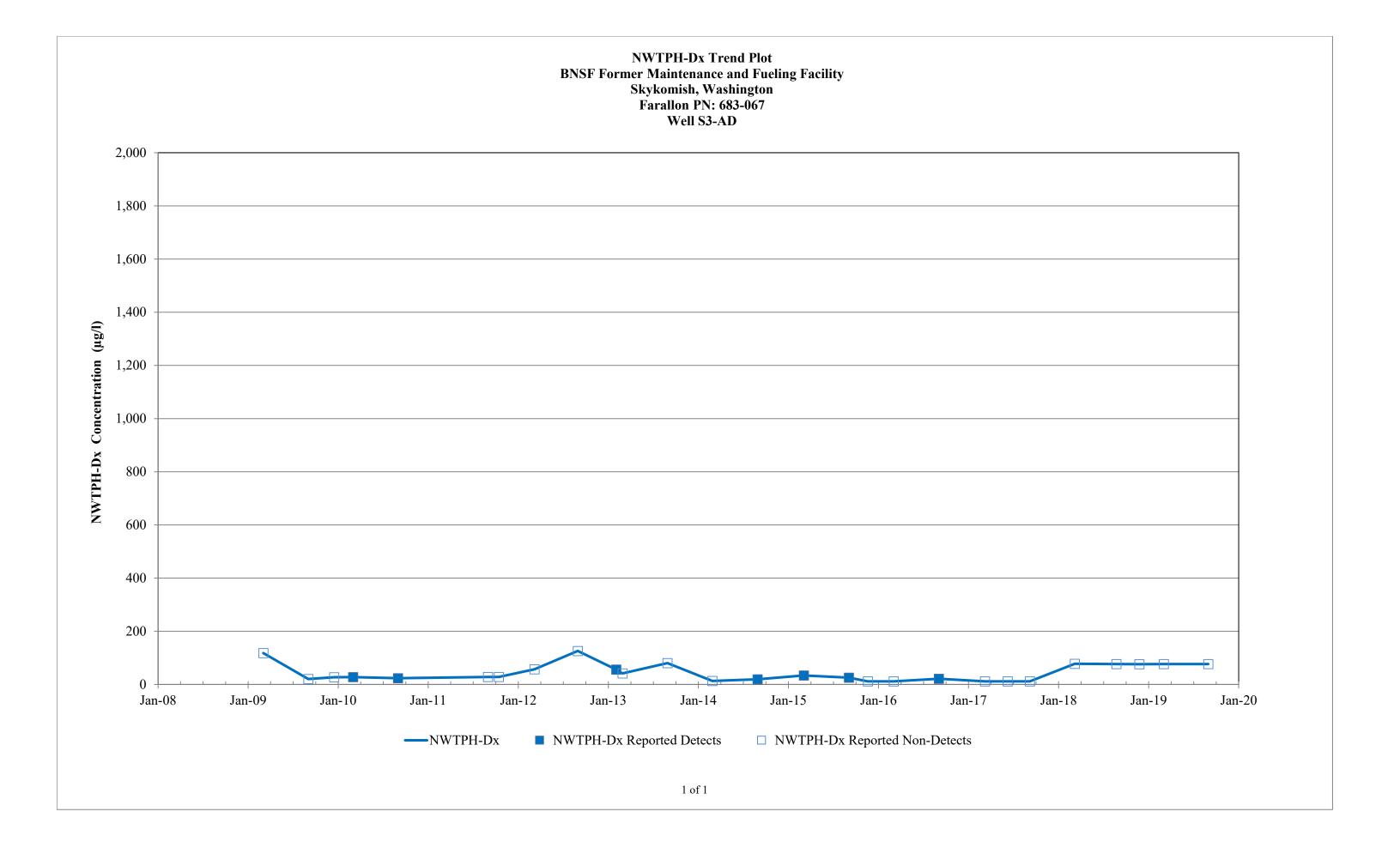


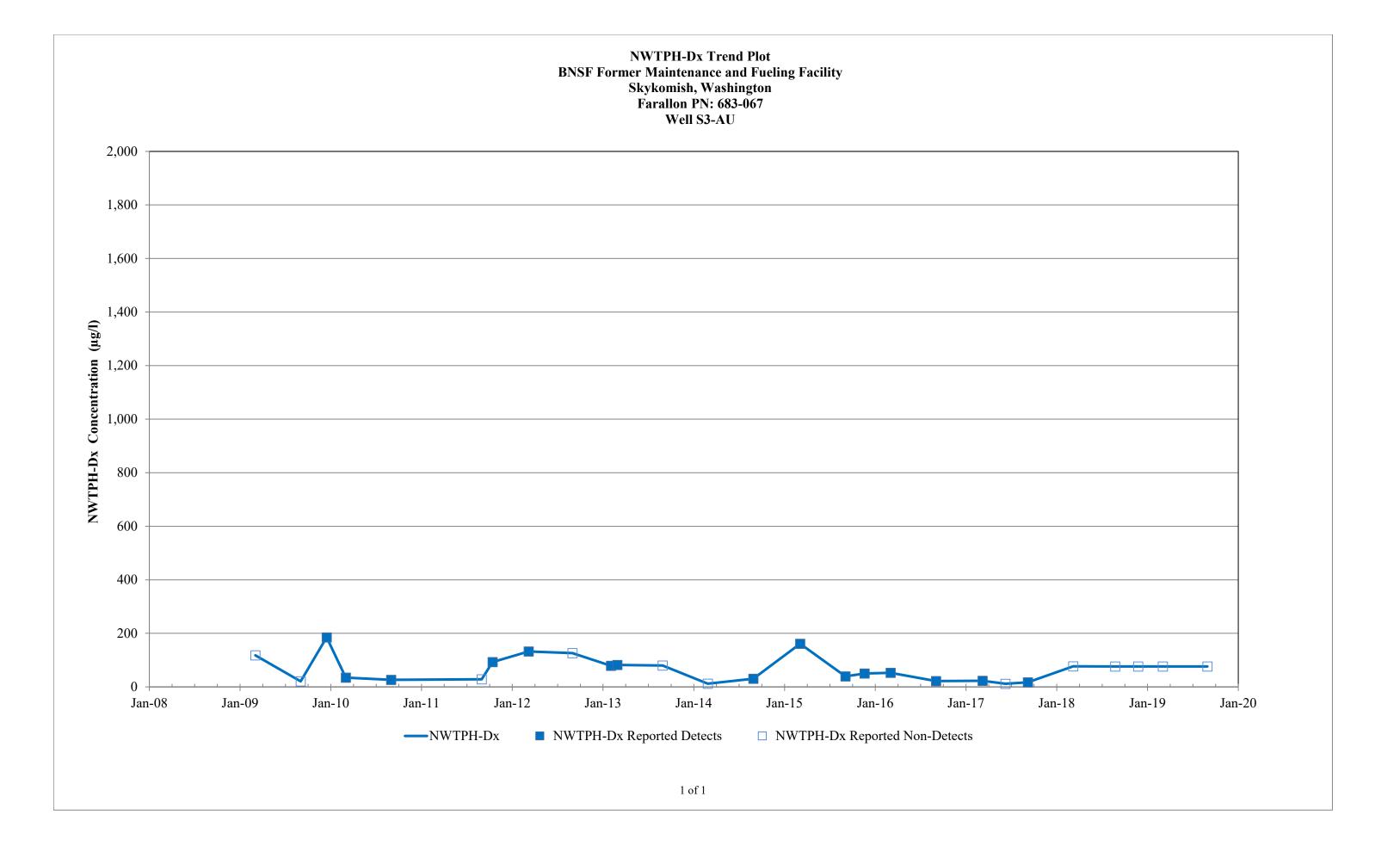


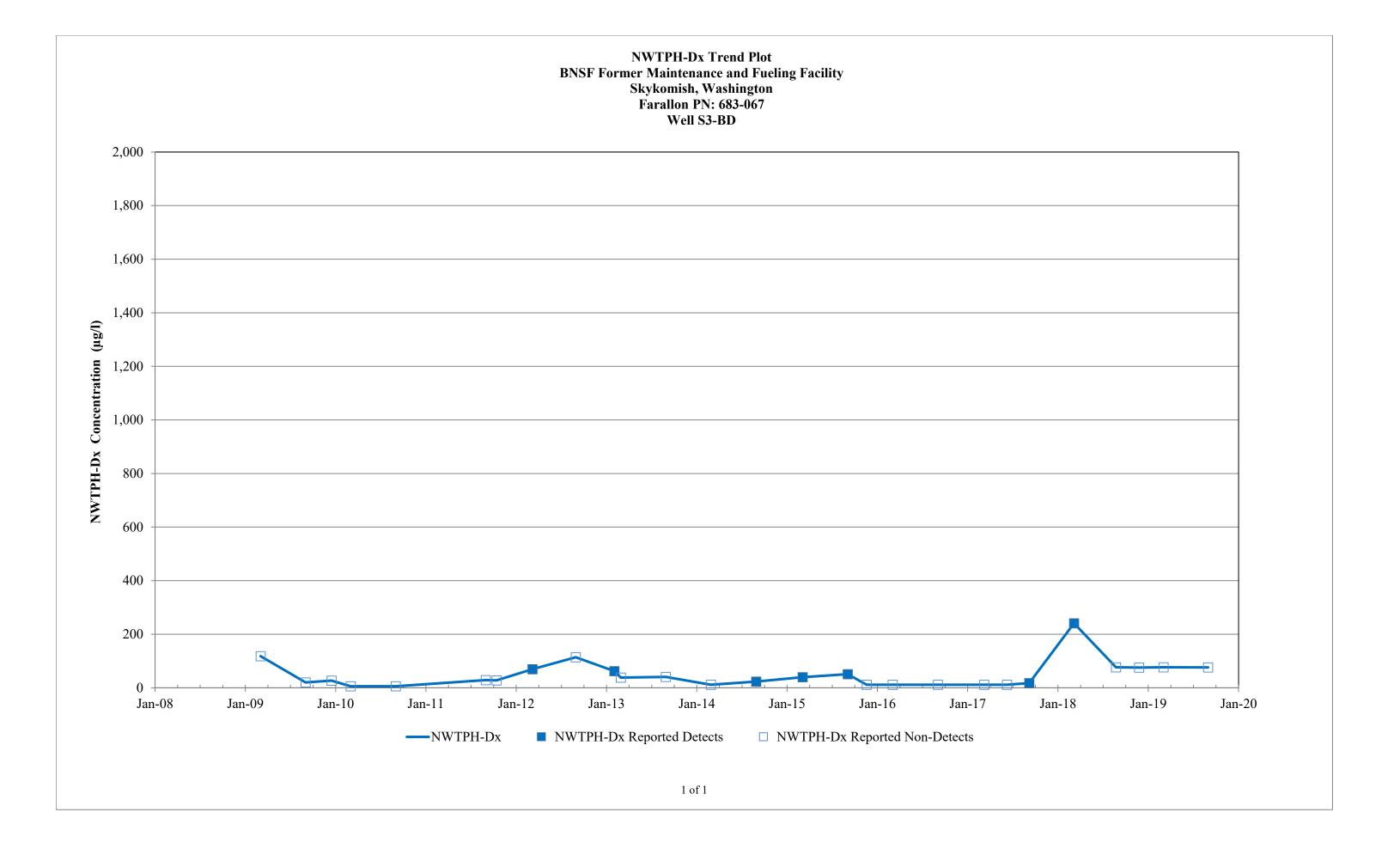


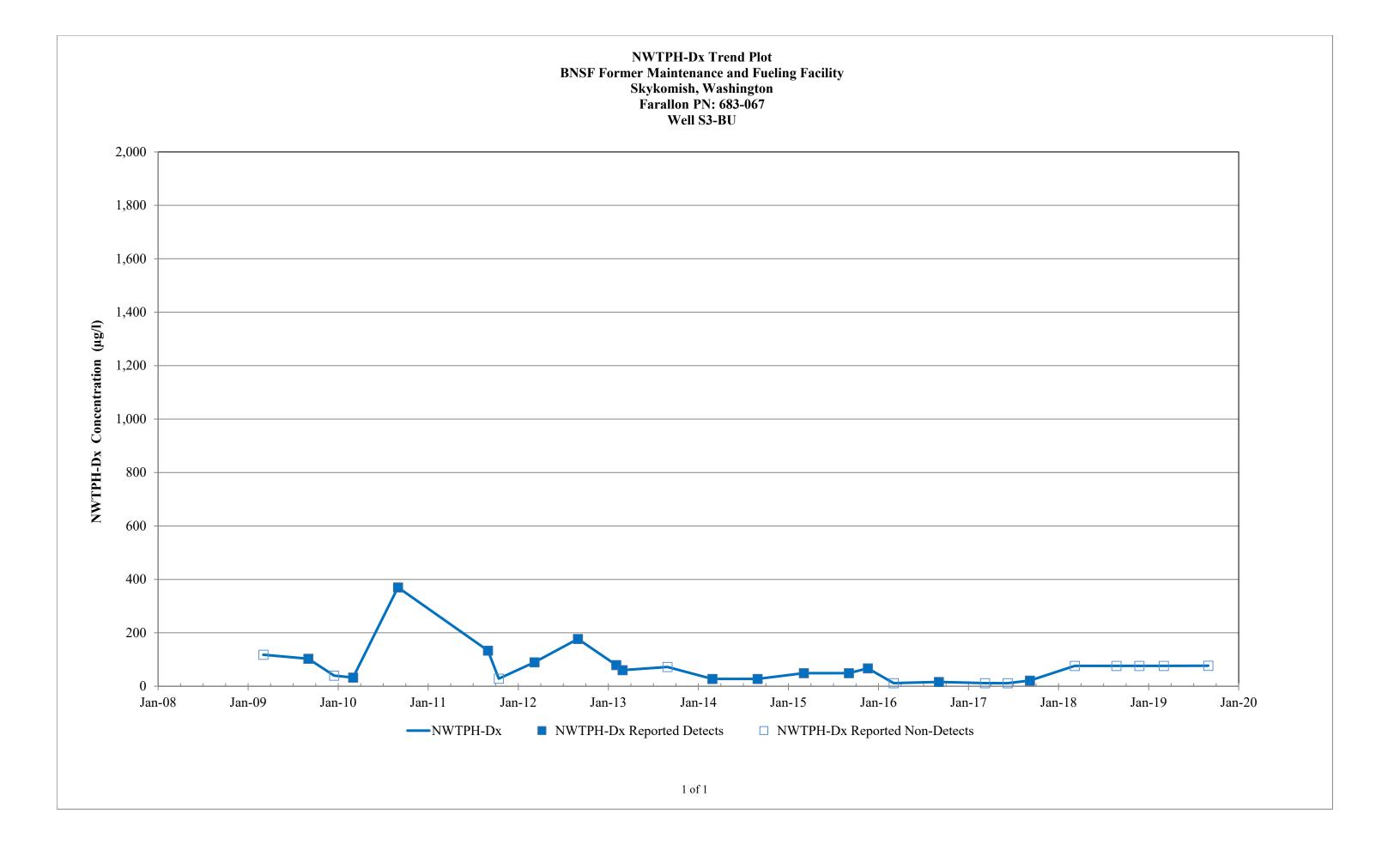


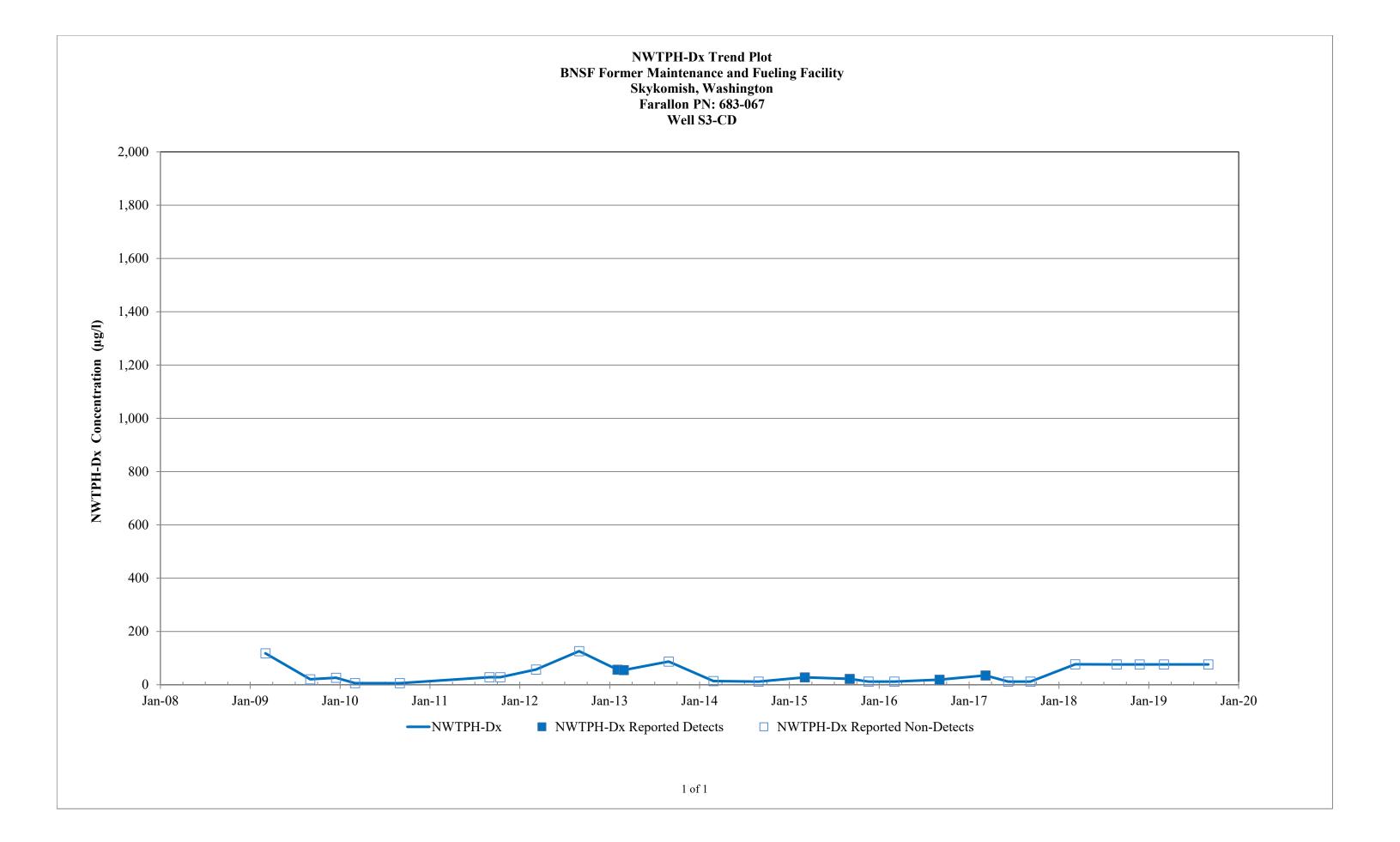


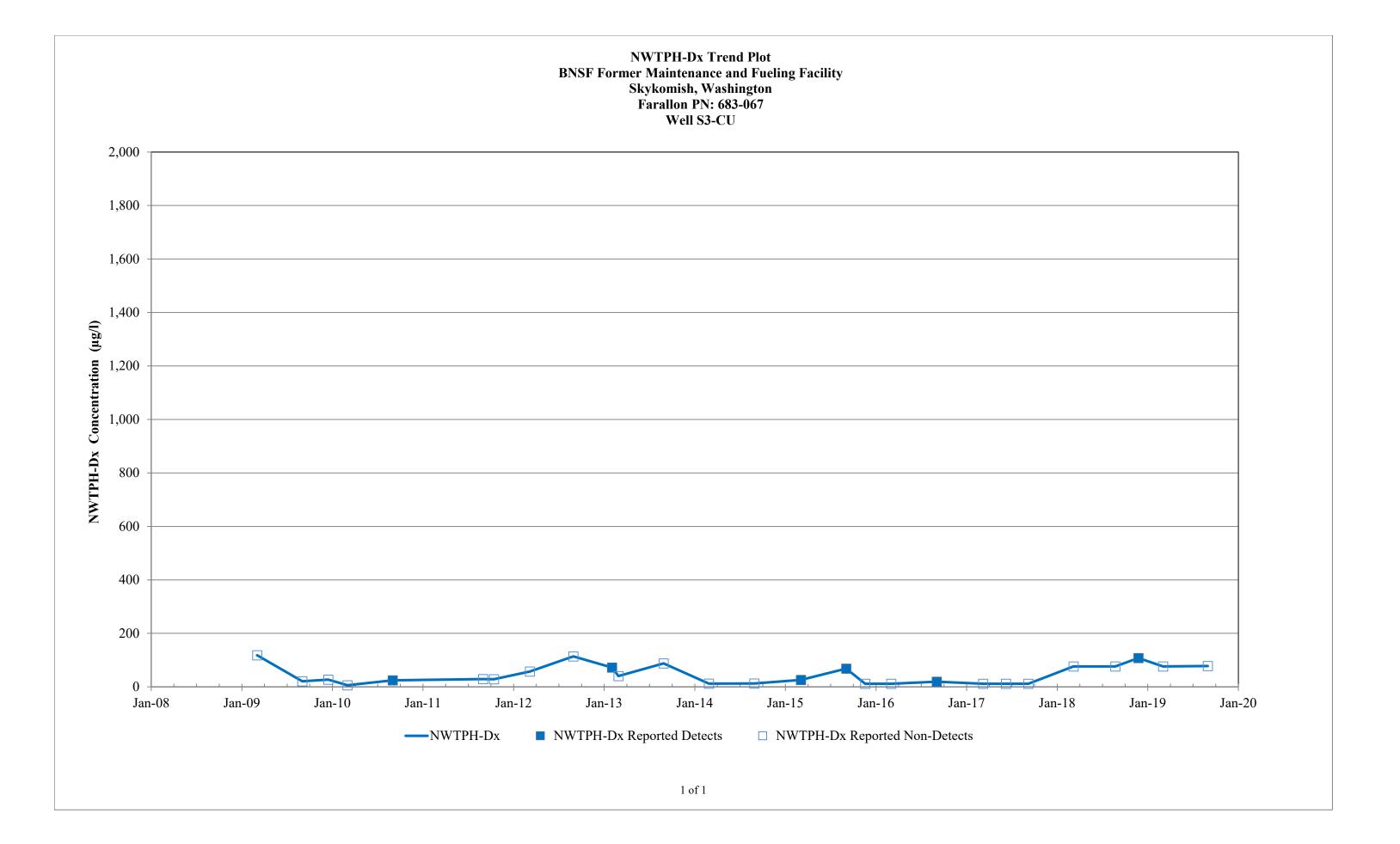


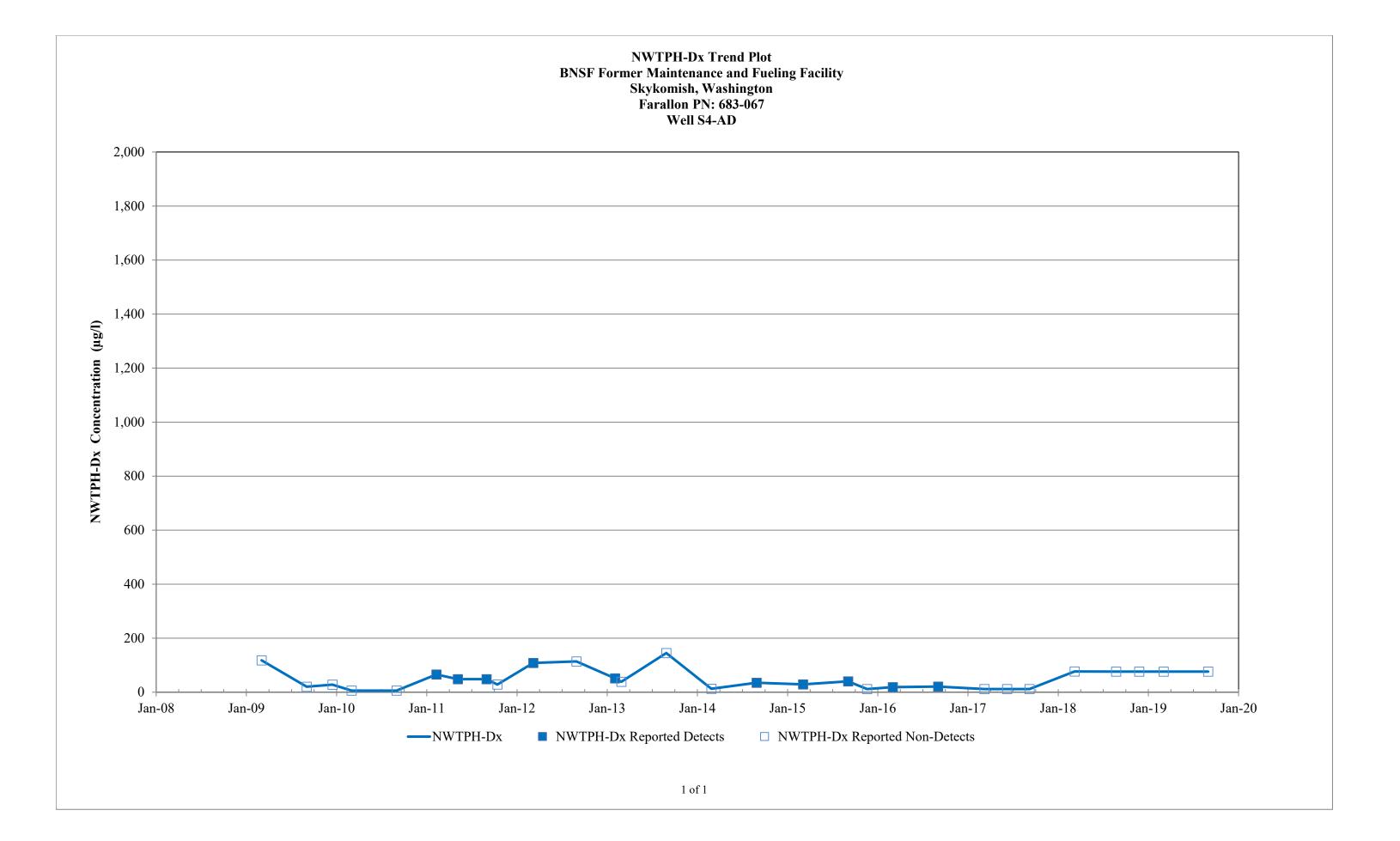


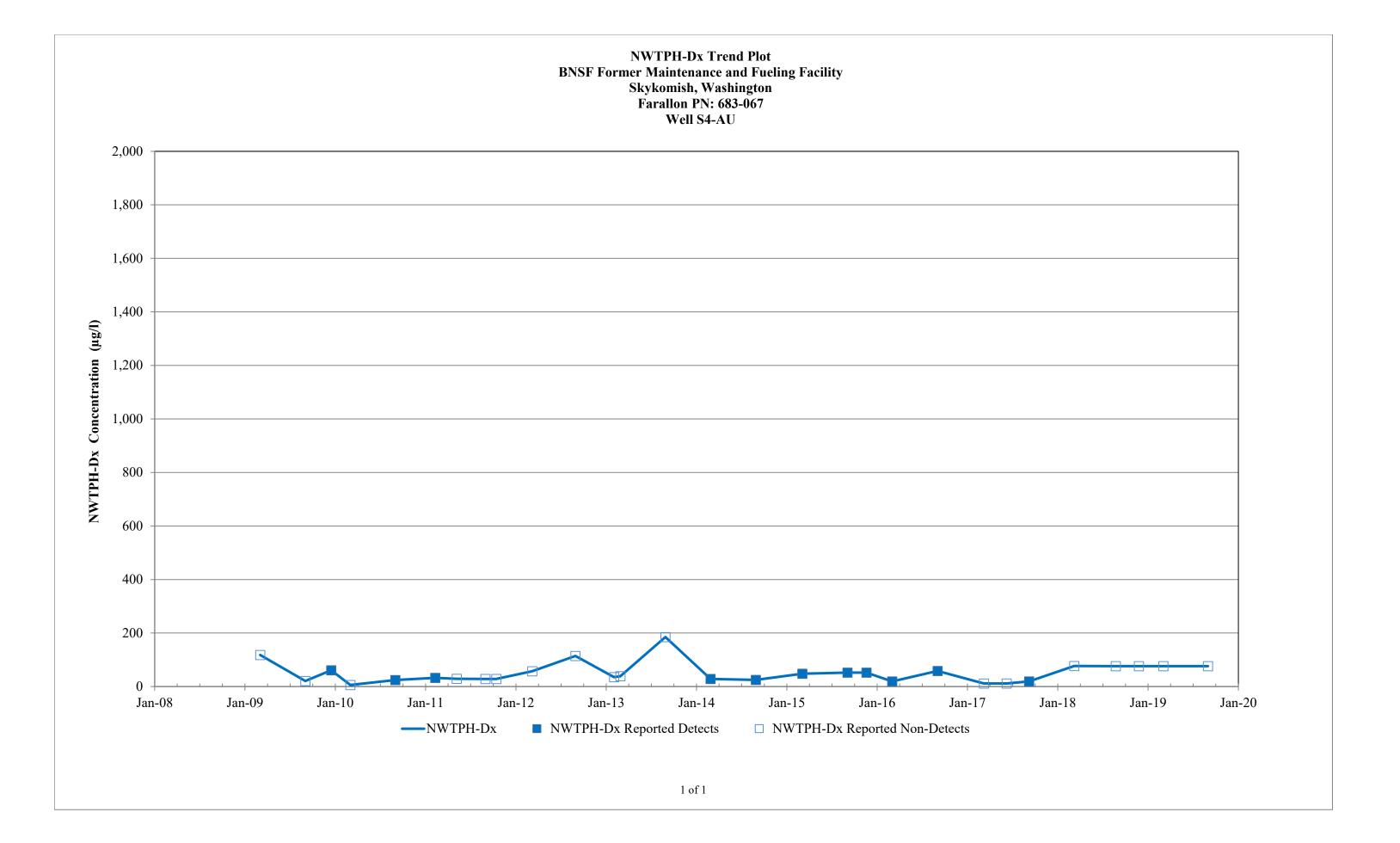


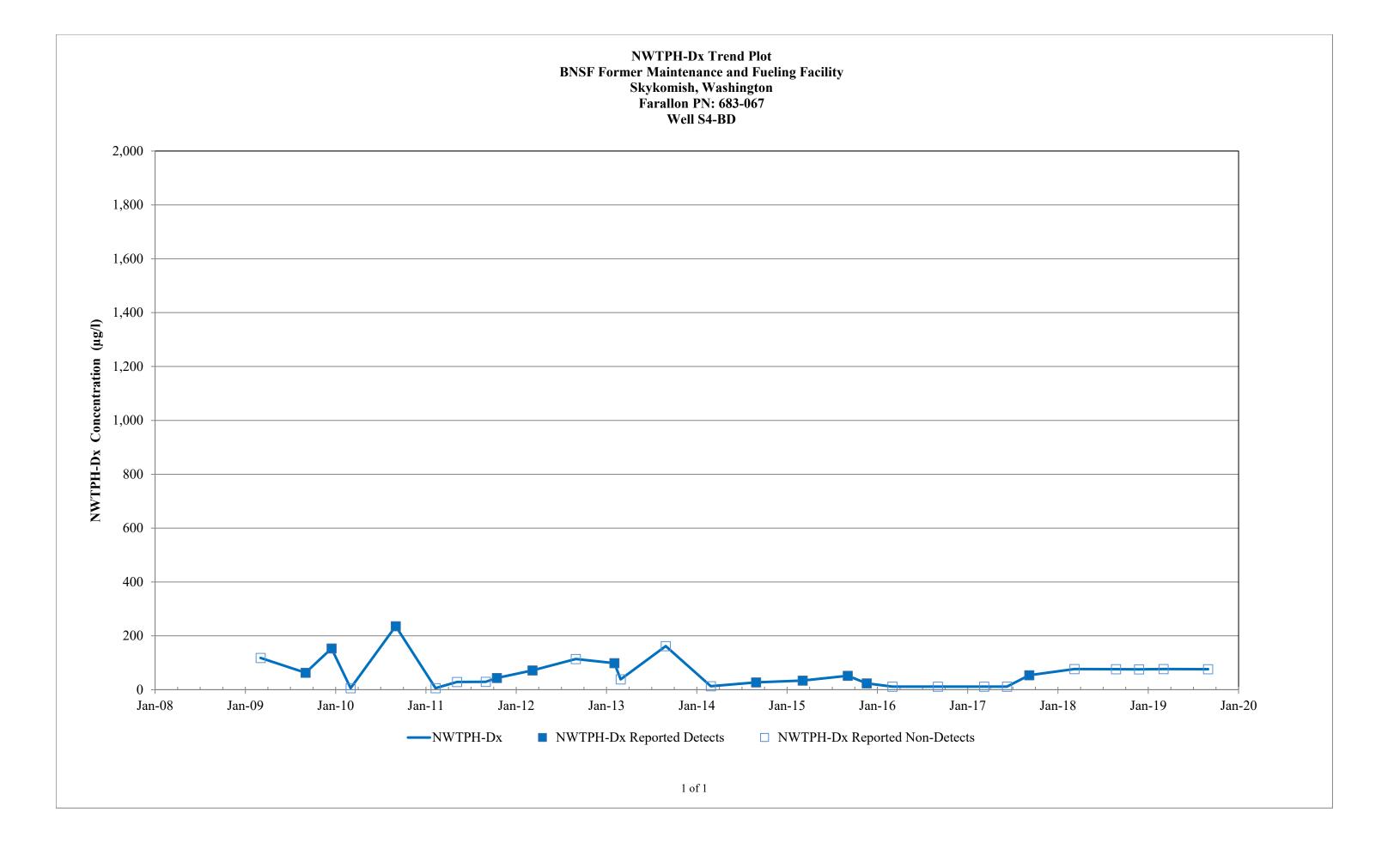


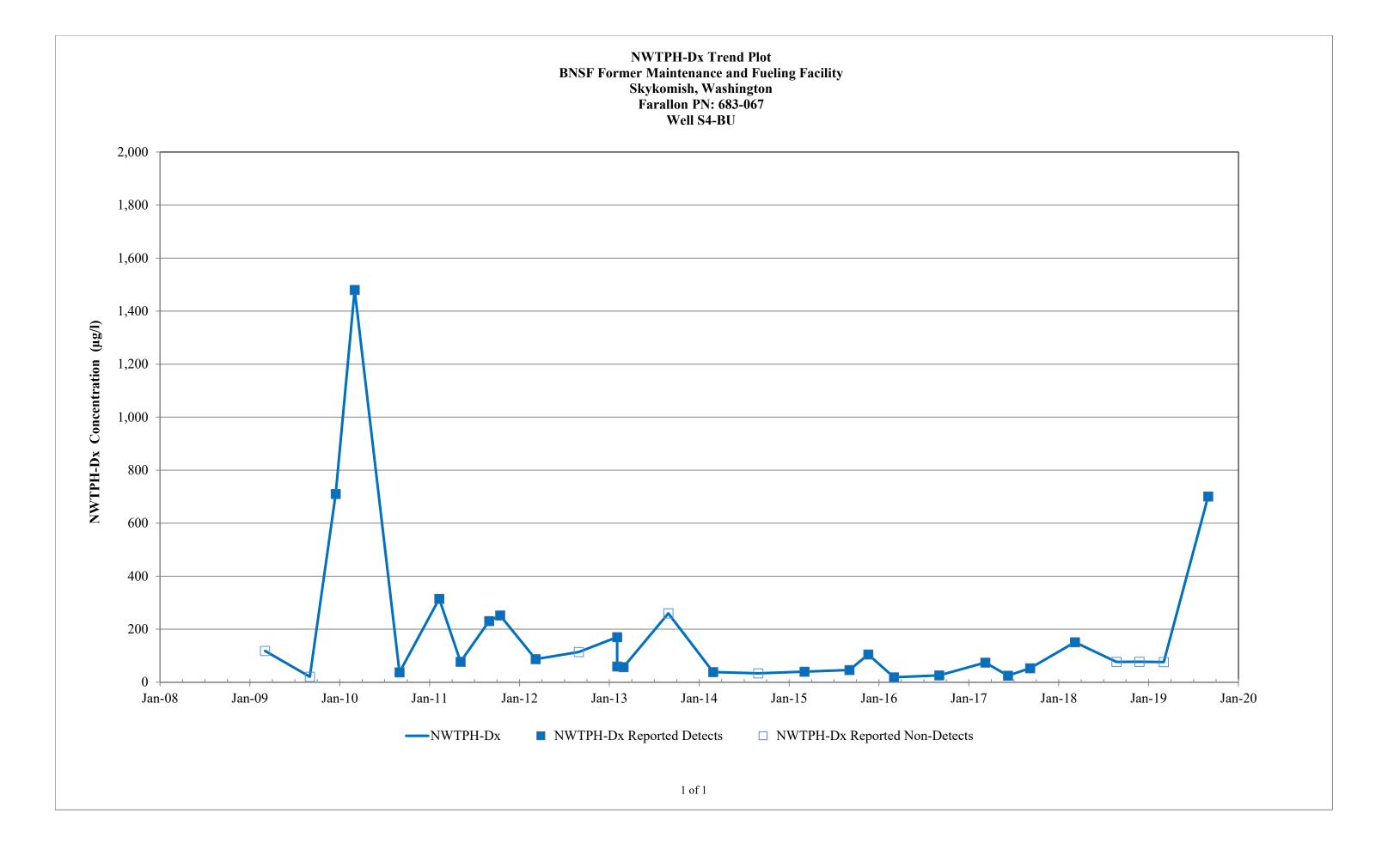


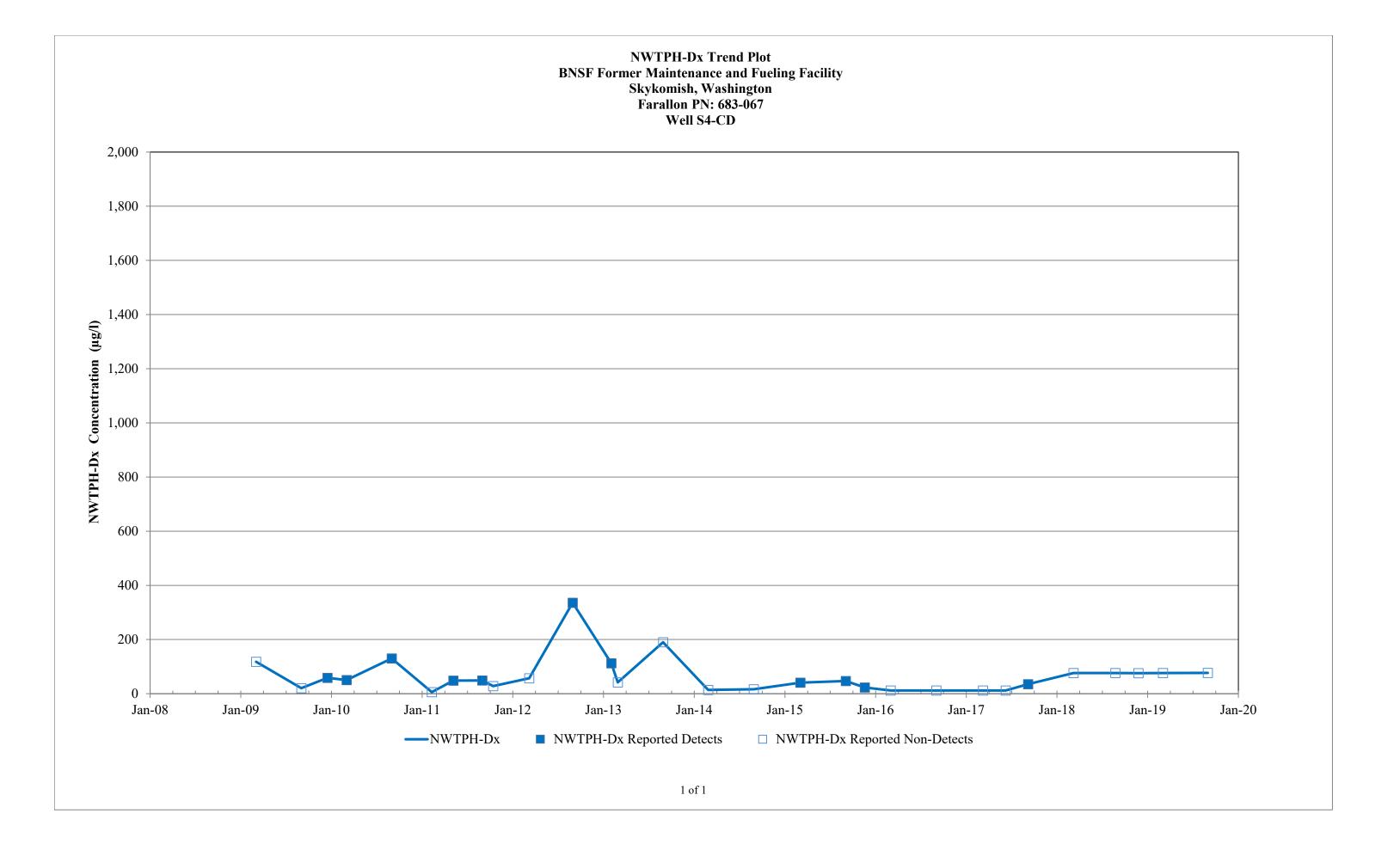


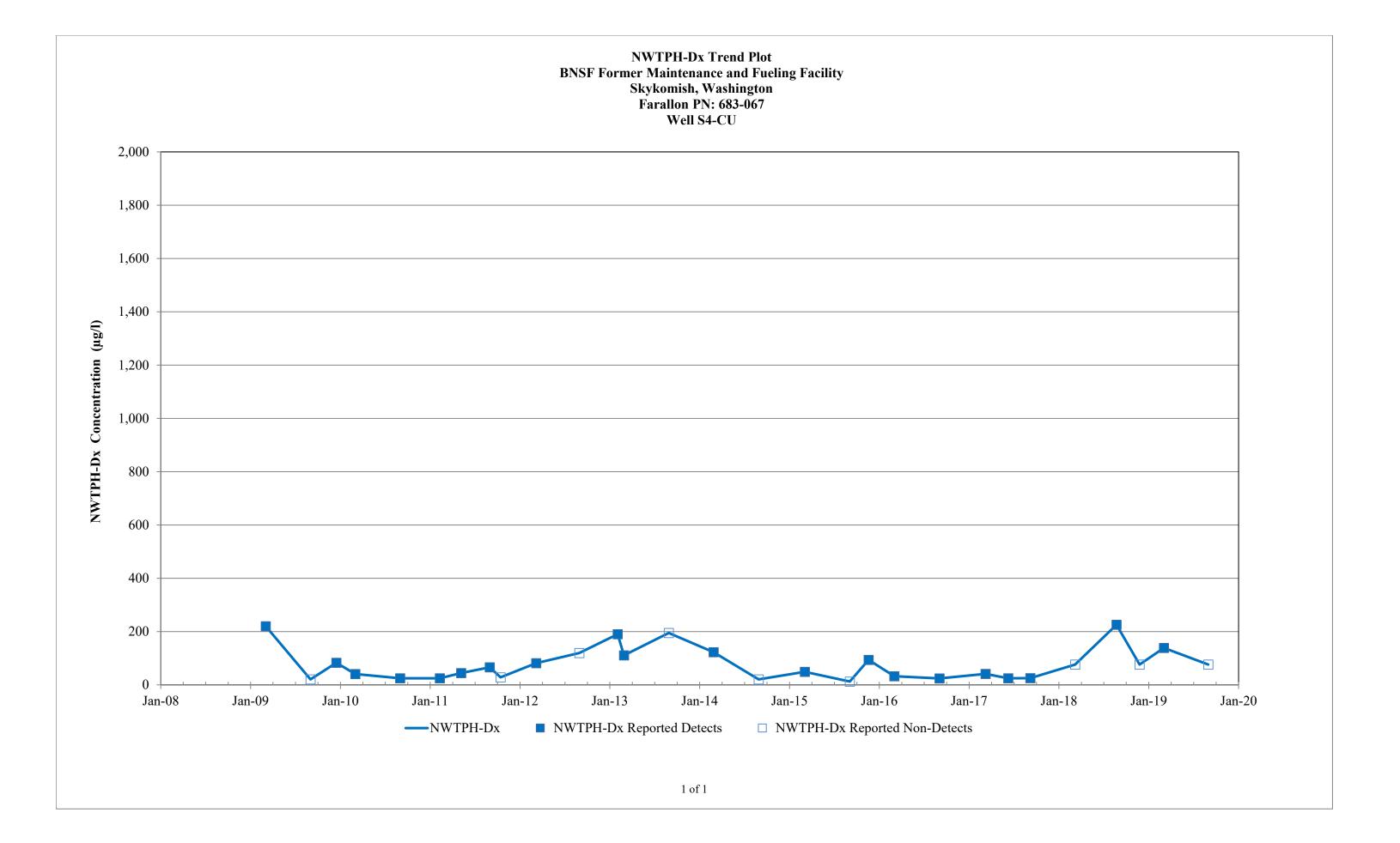




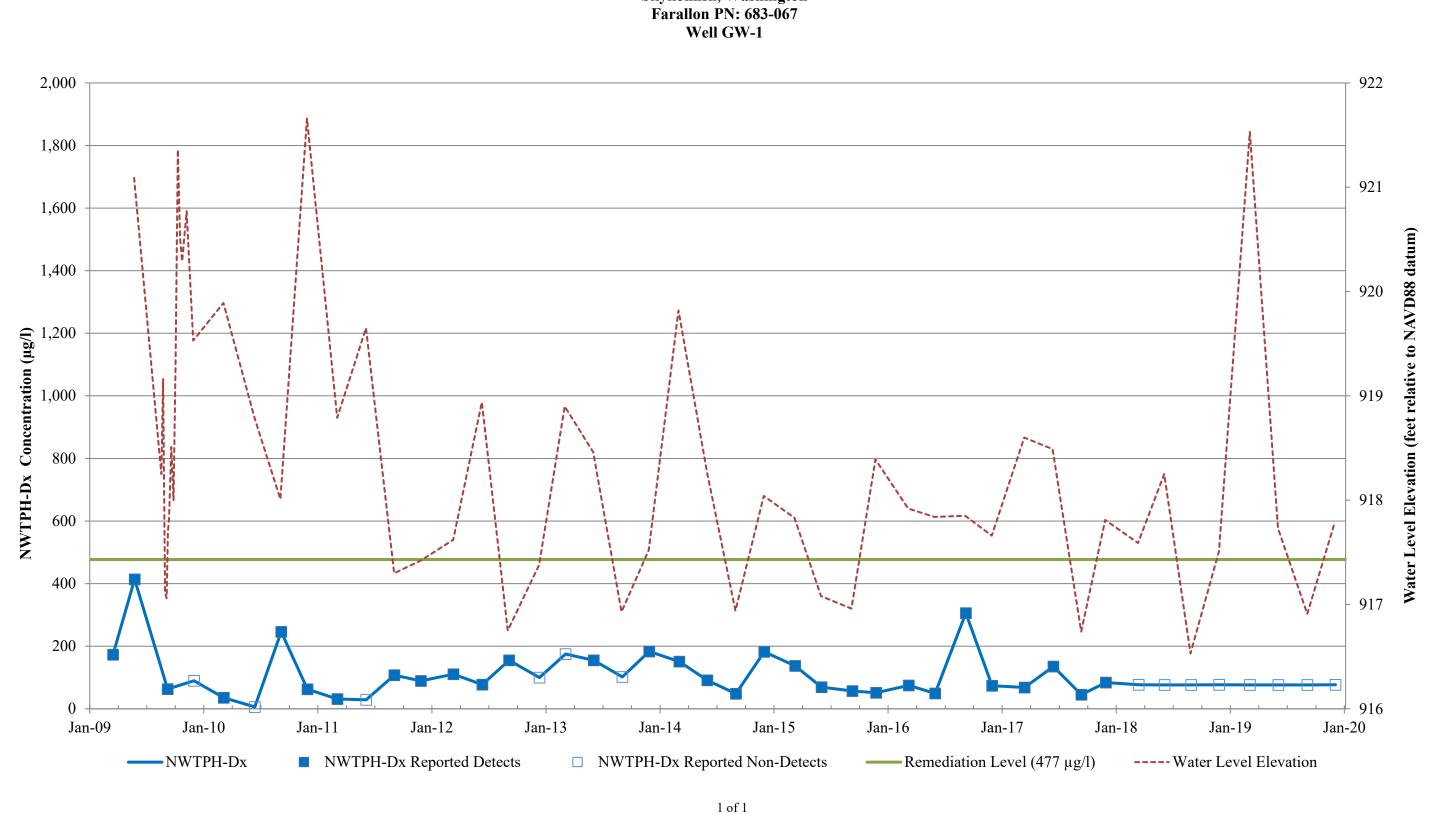




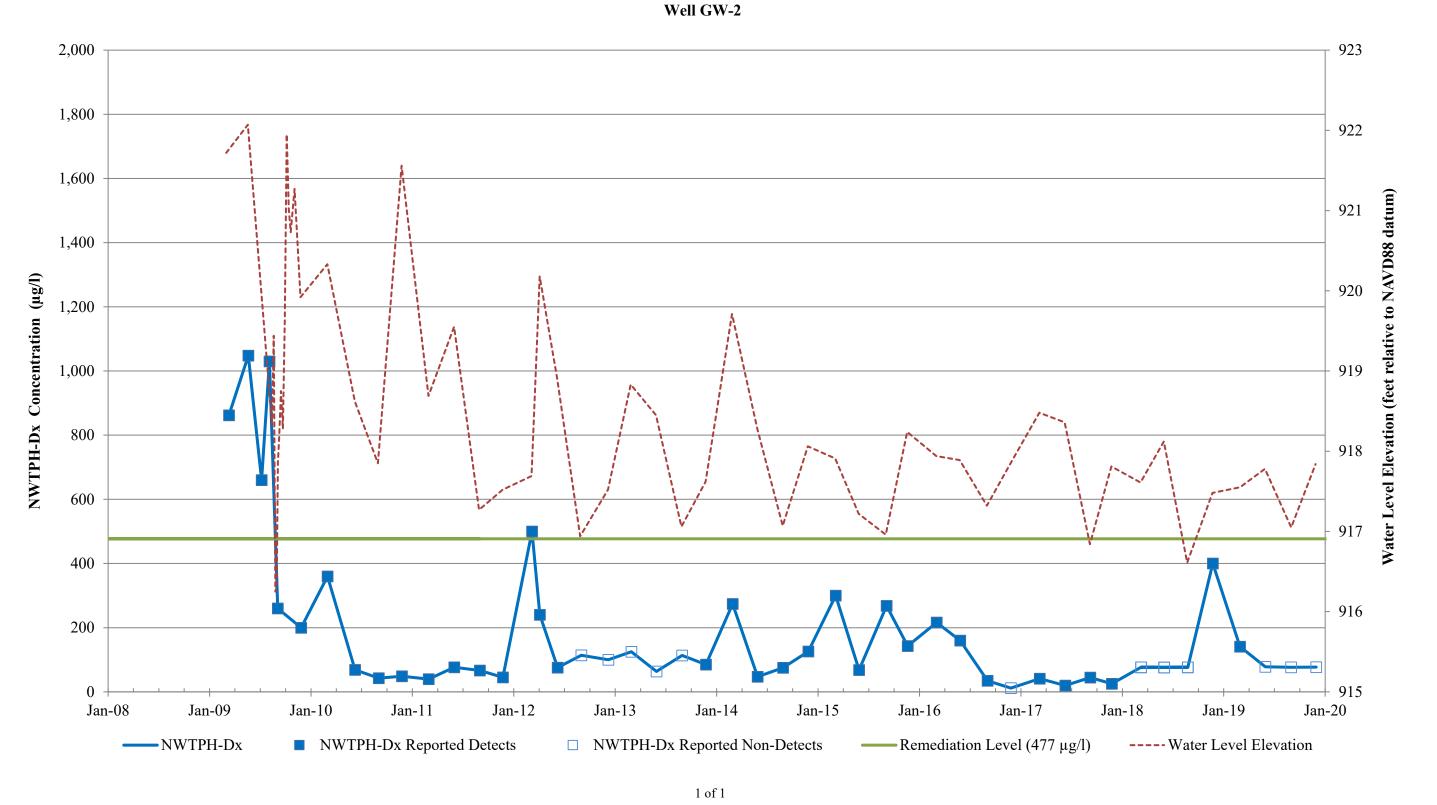




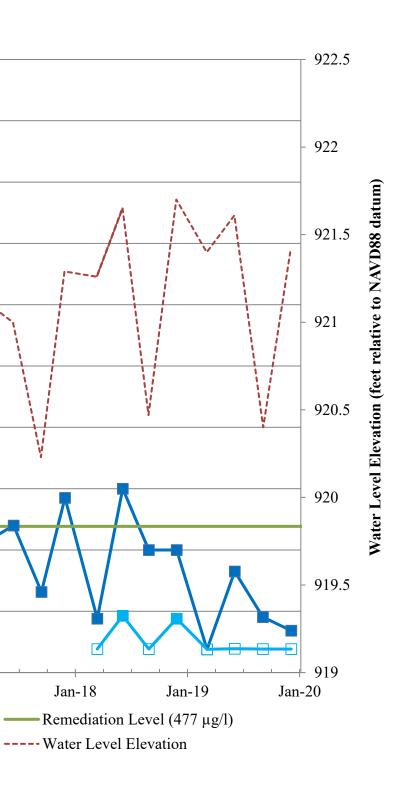
NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well GW-1

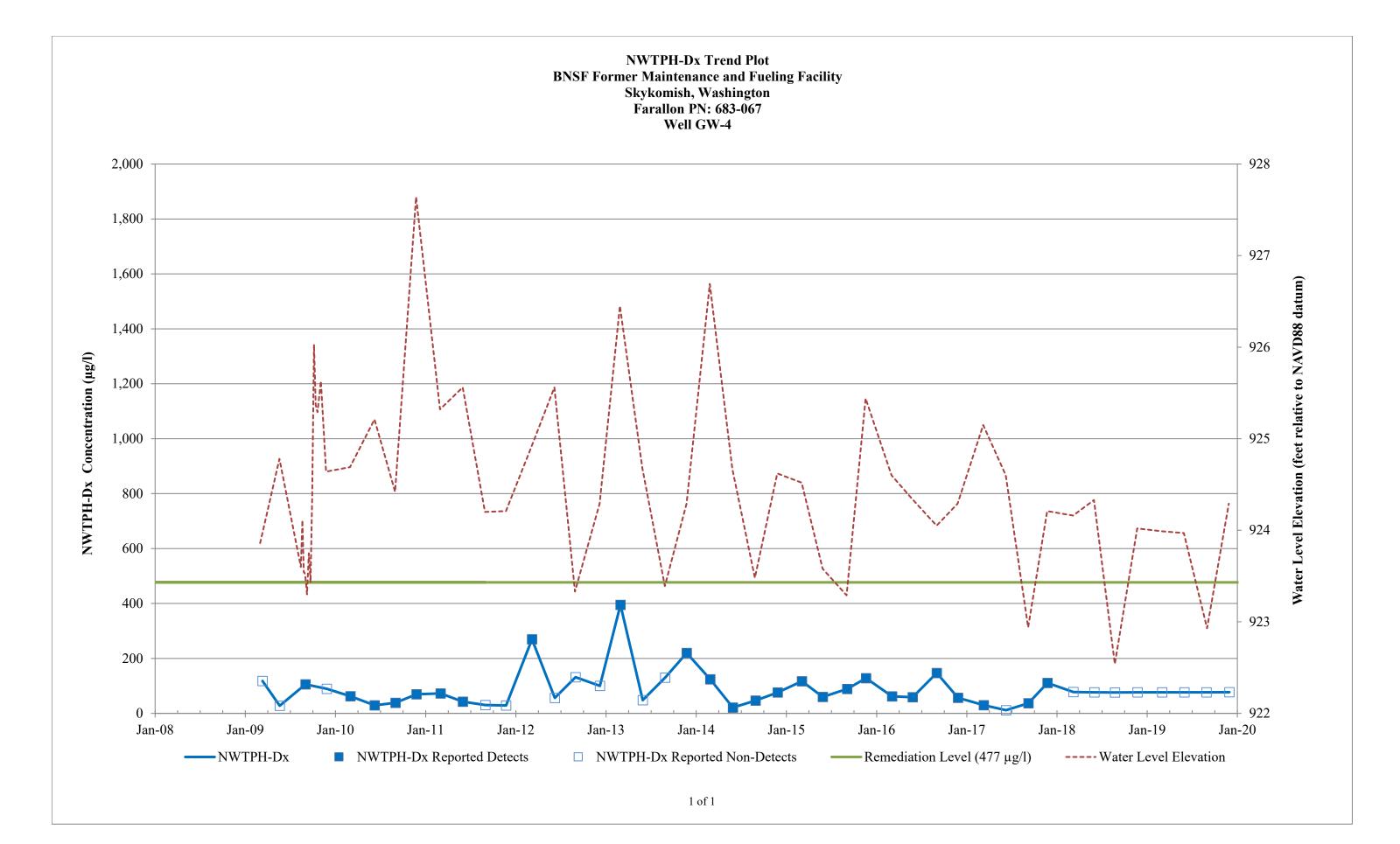


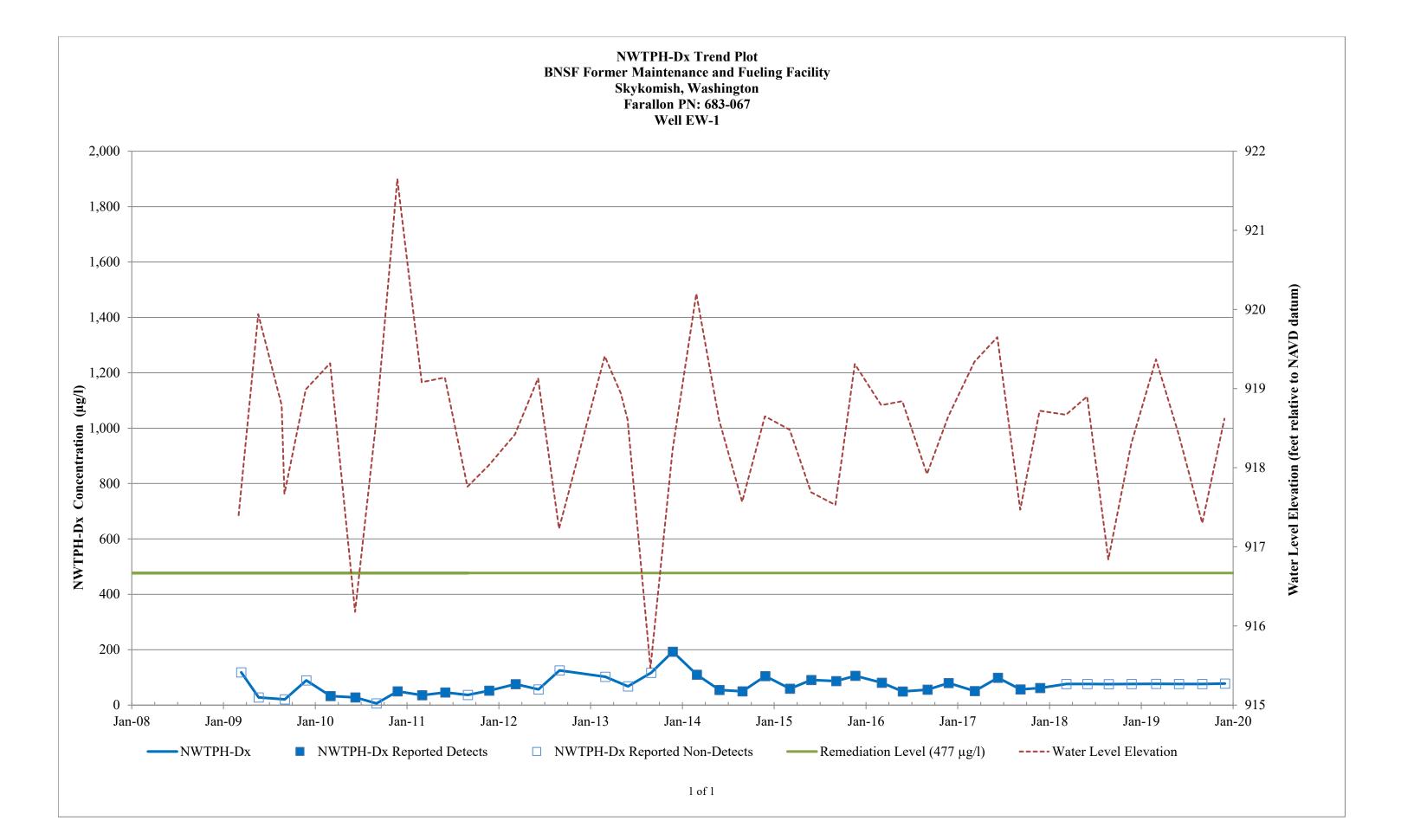
NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well GW-2



NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well GW-3 2,000 1,800 1,600 1,400 NWTPH-Dx Concentration (µg/l) 1,200 1,000 800 600 ---400 200 0 Jan-10 Jan-11 Jan-12 Jan-15 Jan-18 Jan-09 Jan-13 Jan-14 Jan-16 Jan-17 ■ NWTPH-Dx Reported Detects □ NWTPH-Dx Reported Non-Detects ■ NWTPH-Dx/SGC Reported Detects □ NWTPH-Dx/SGC Reported Non-Detects ----- Water Level Elevation 1 of 1



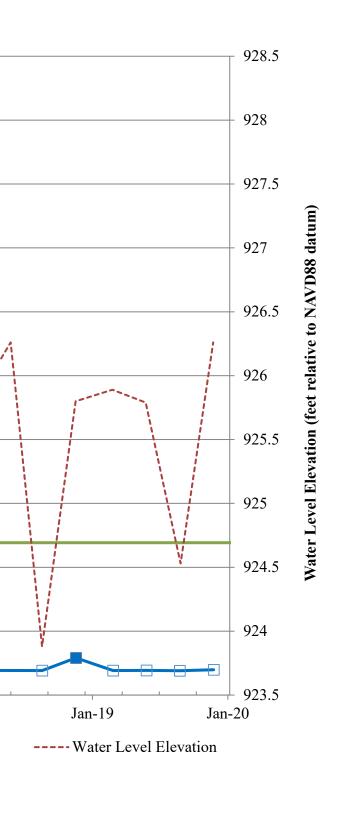




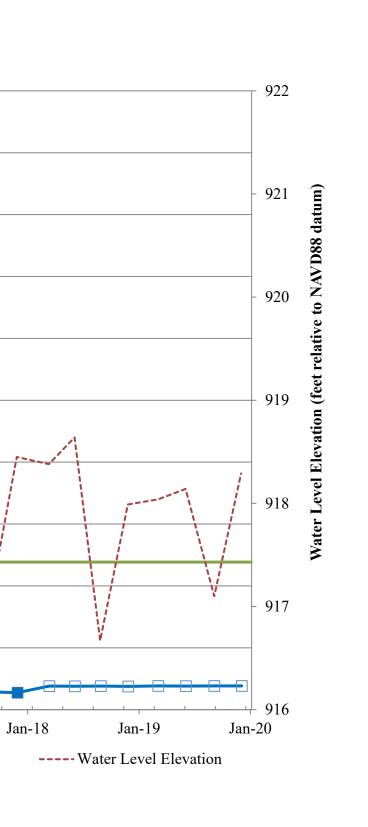
NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well EW-2A 2,000 1,800 1,600 1,400 1,200 1,000 800 600 M 400 200 0 Jan-18 Jan-12 Jan-13 Jan-15 Jan-16 Jan-14 Jan-17 Jan-11 -NWTPH-Dx NWTPH-Dx Reported Detects □ NWTPH-Dx Reported Non-Detects - Remediation Level (477 µg/l)

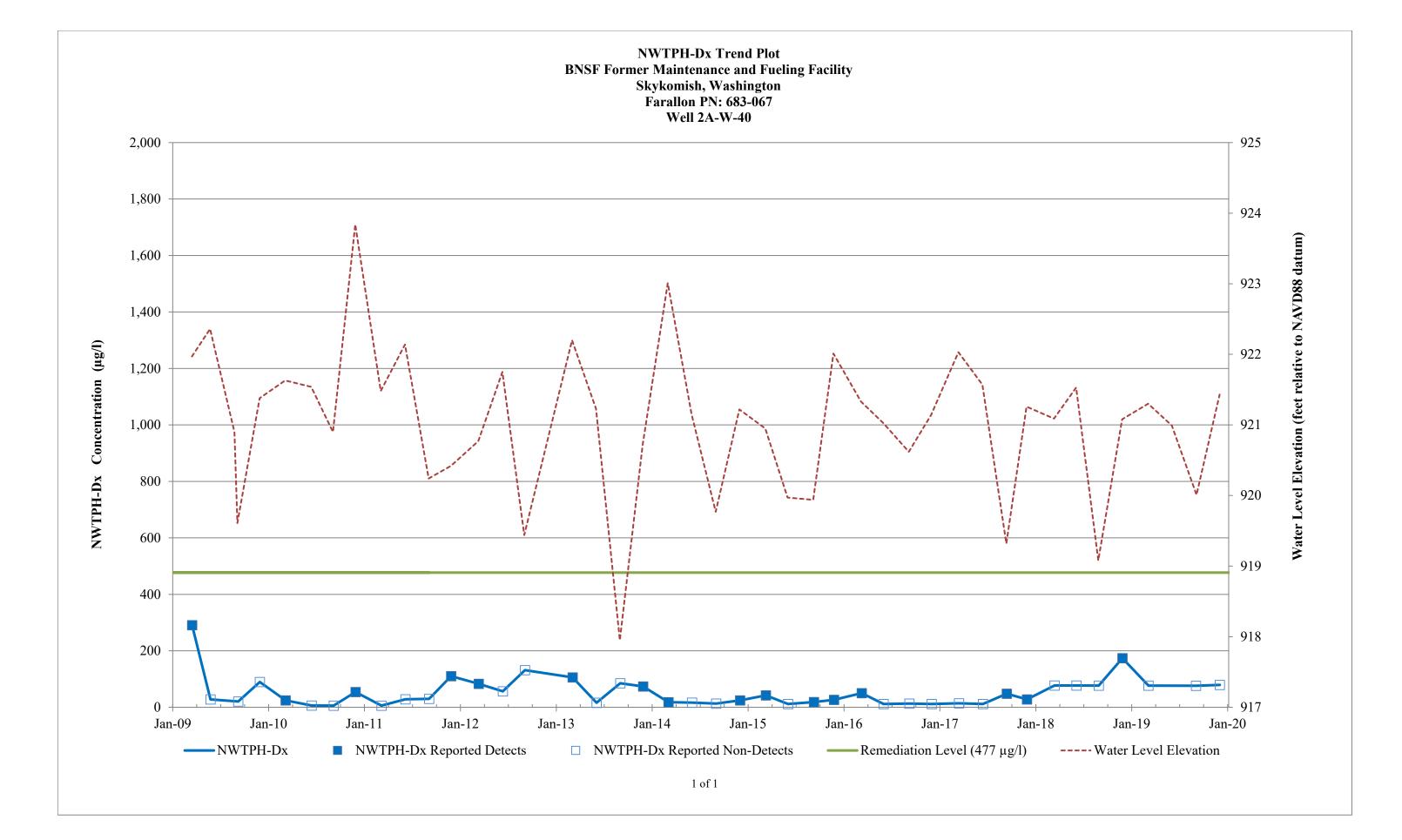
NWTPH-Dx Concentration (µg/l)

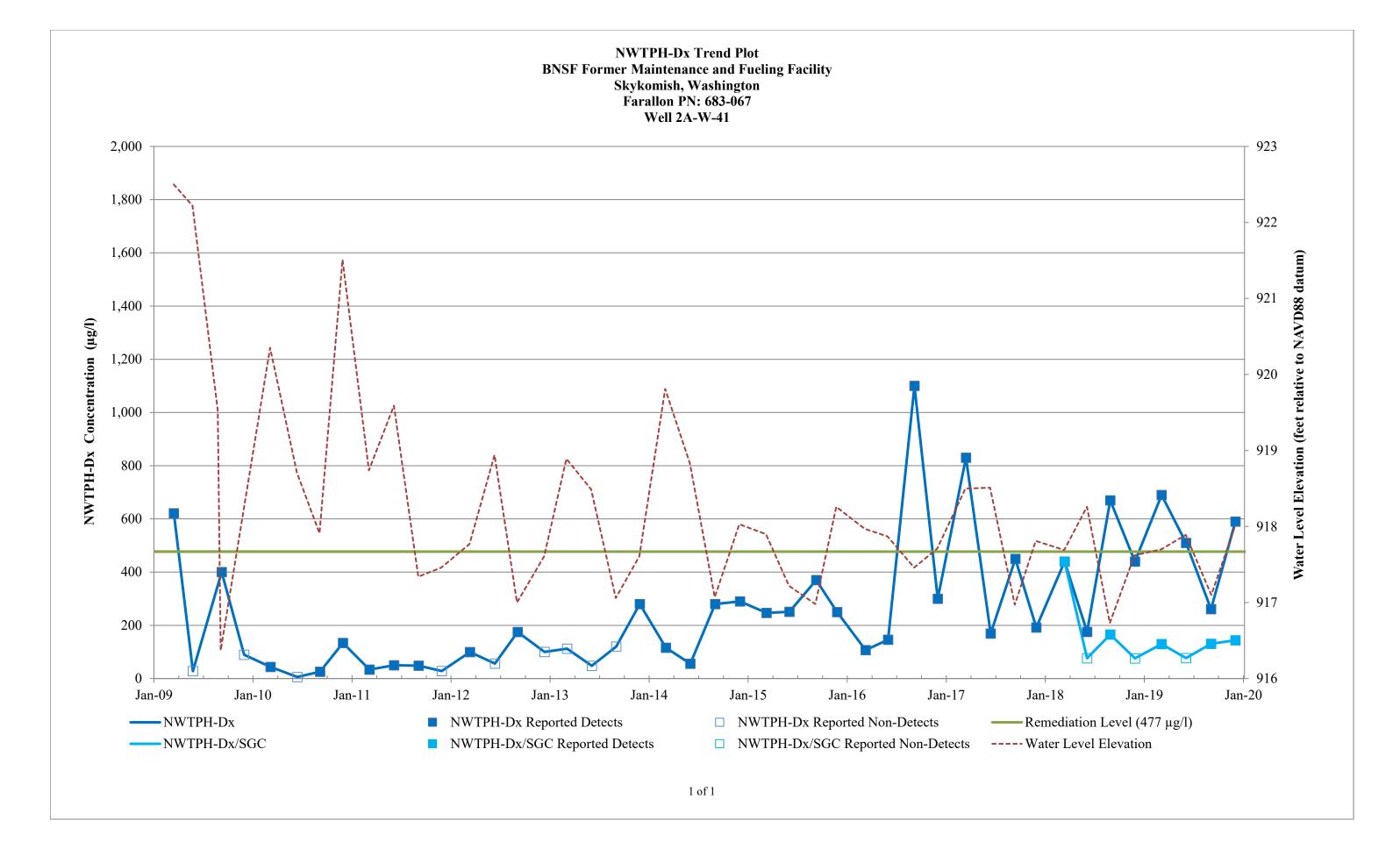
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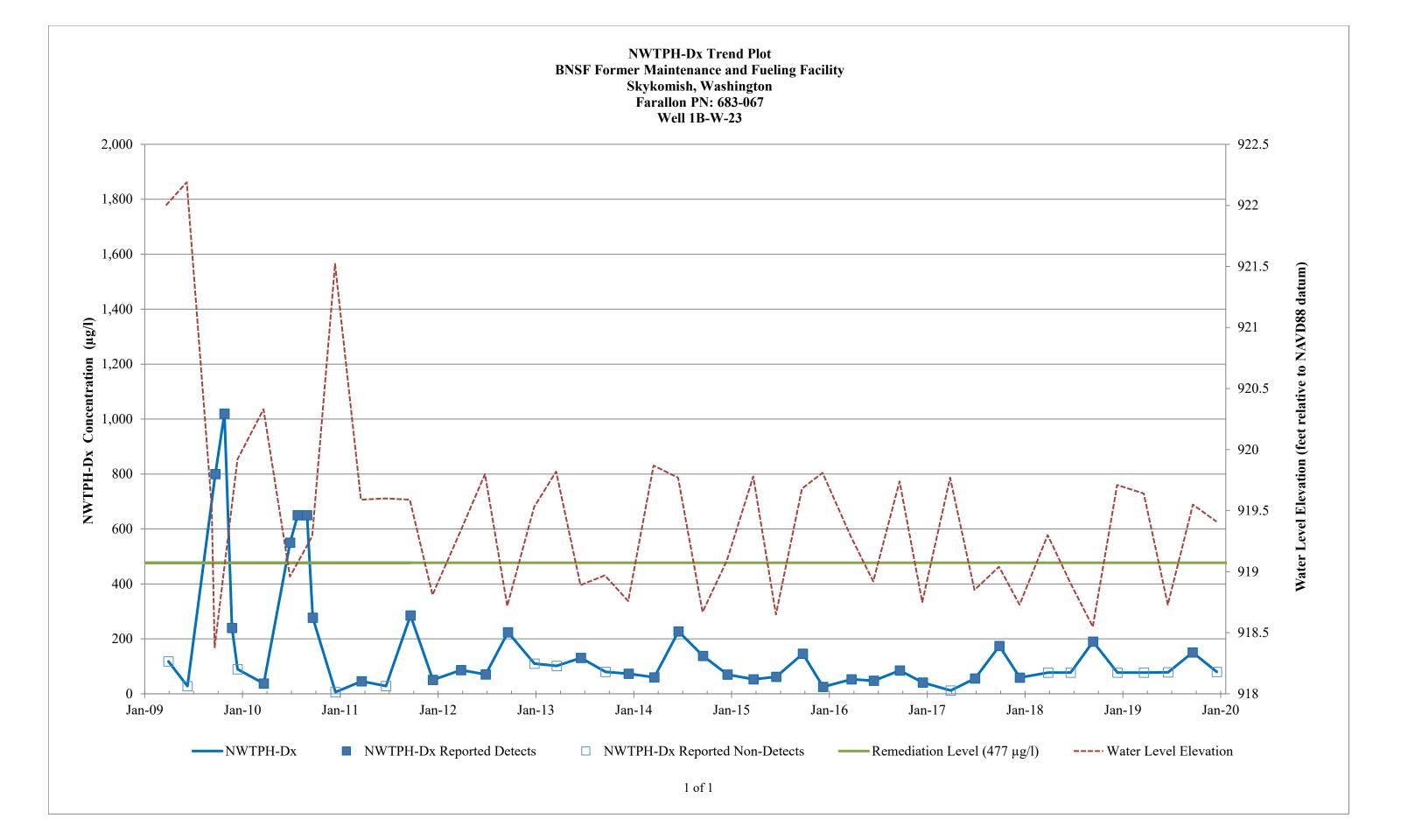


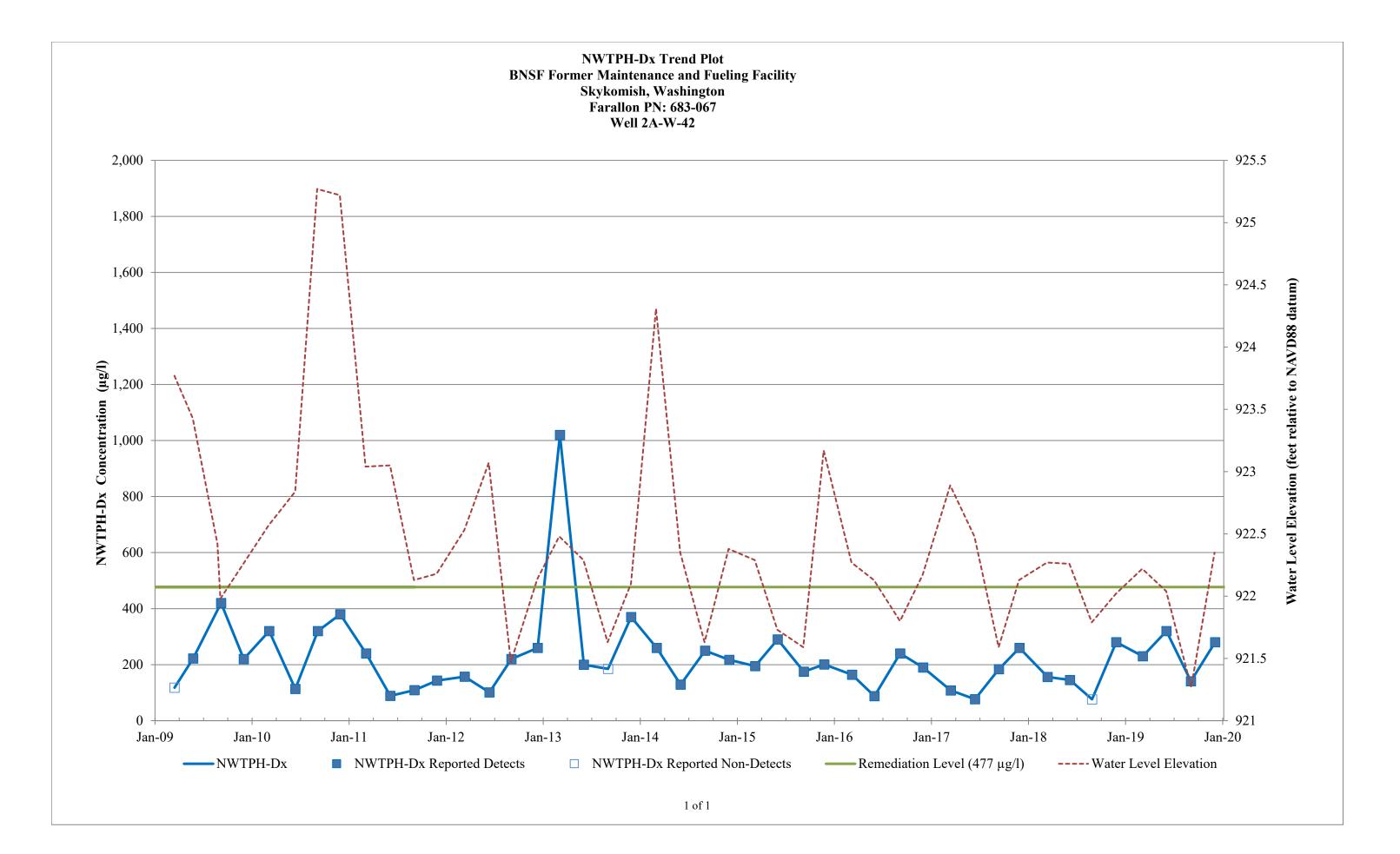
NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well 5-W-43 2,000 1,800 1,600 NWTPH-Dx Concentration (µg/l) 1,400 1,200 1,000 800 600 400 200 0 Jan-09 Jan-10 Jan-12 Jan-13 Jan-14 Jan-15 Jan-16 Jan-17 Jan-11 ■ NWTPH-Dx Reported Detects □ NWTPH-Dx Reported Non-Detects 1 of 1







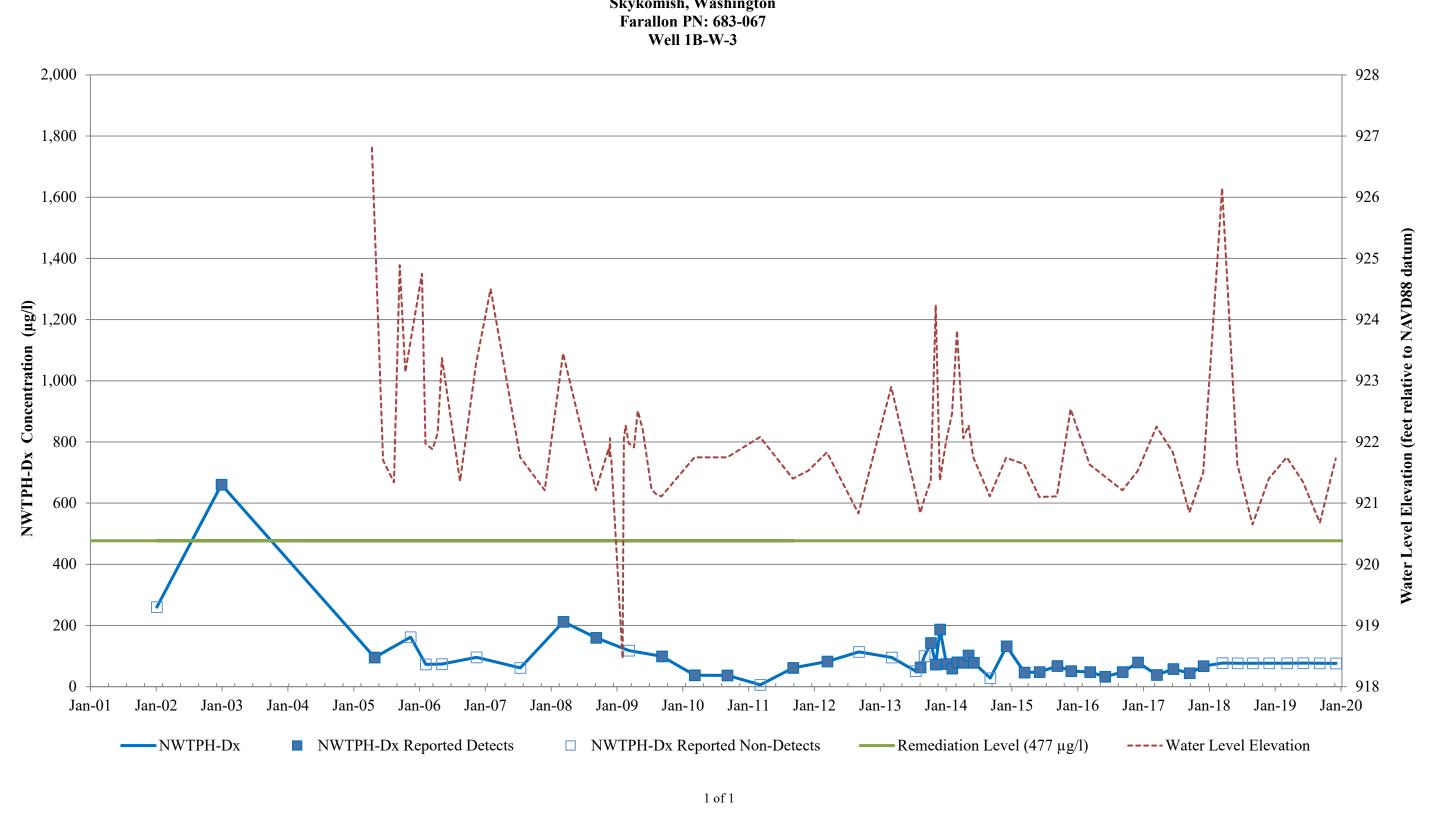


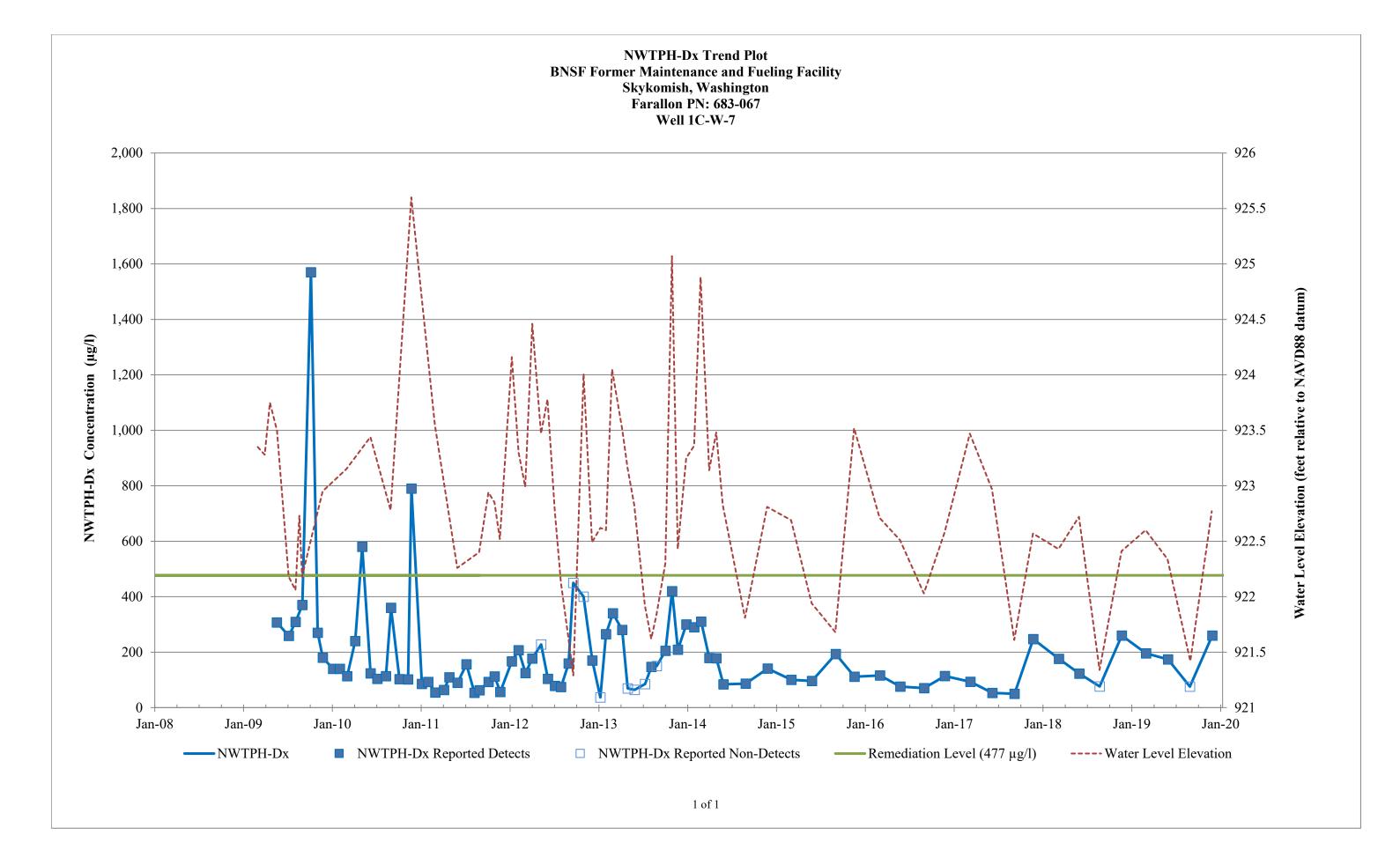


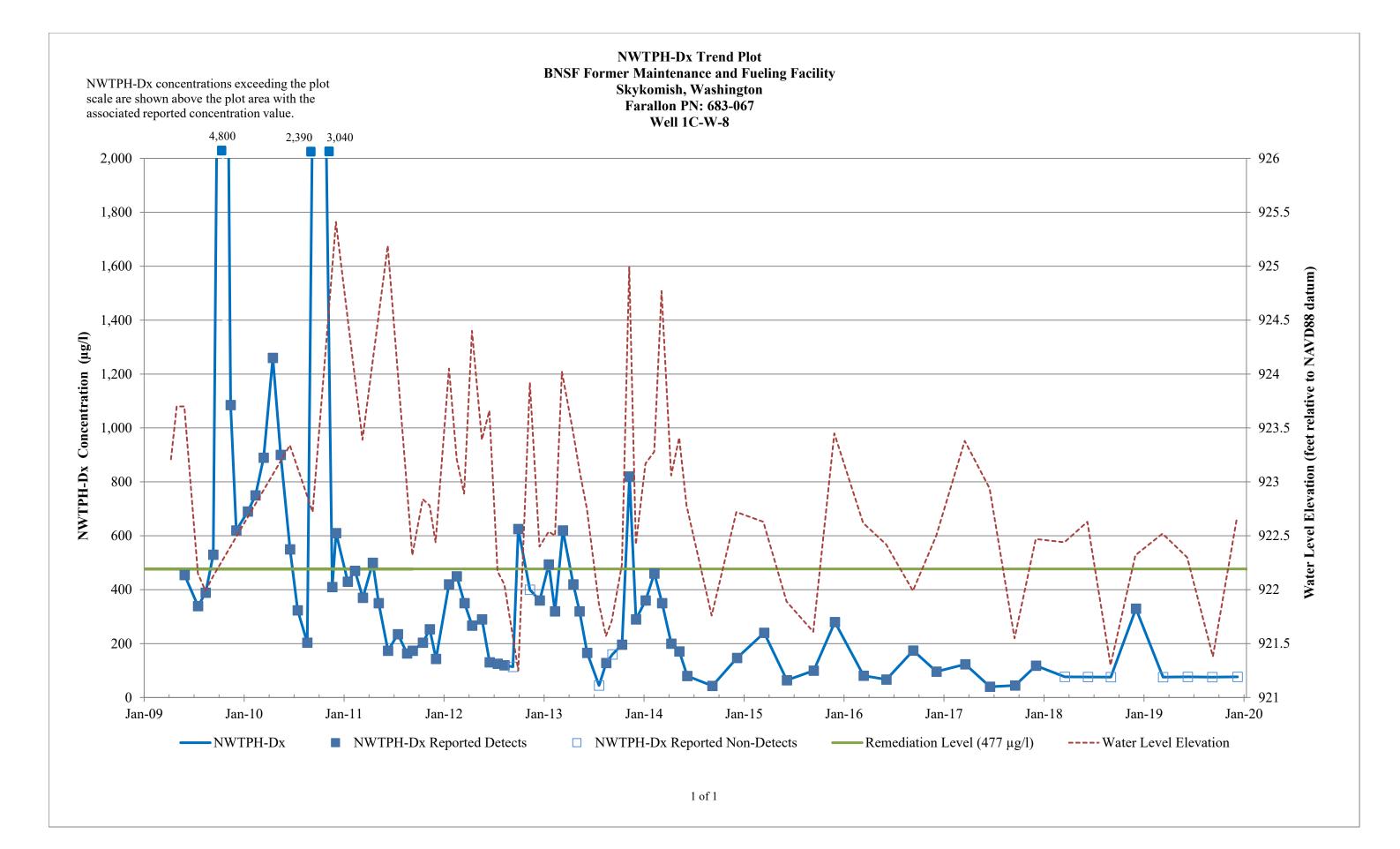
Former Air Sparge Area Monitoring Wells

Note: Former Air Sparge Area monitoring well NWTPH-Dx groundwater results are compared to the RL of 477 micrograms per liter.

NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well 1B-W-3

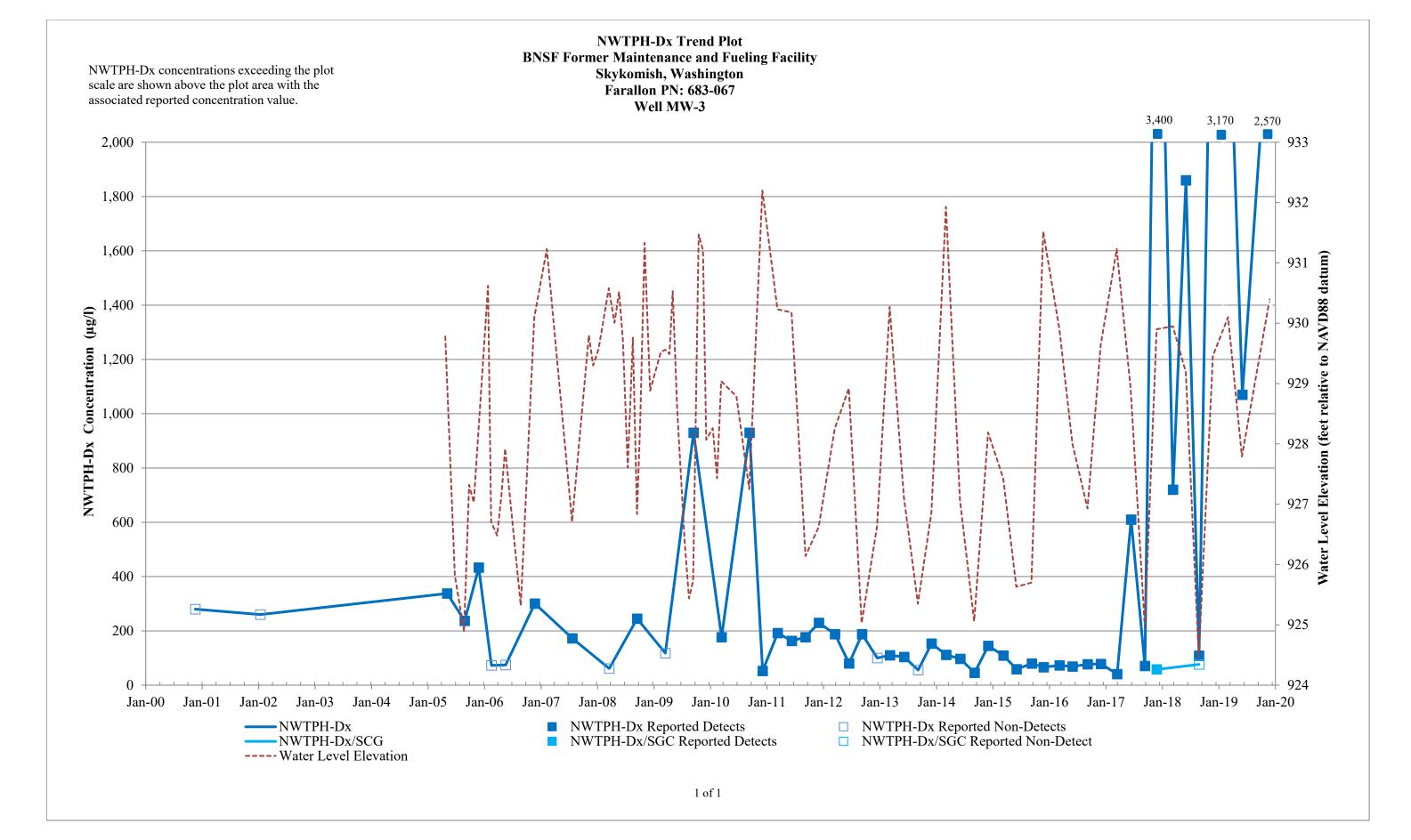


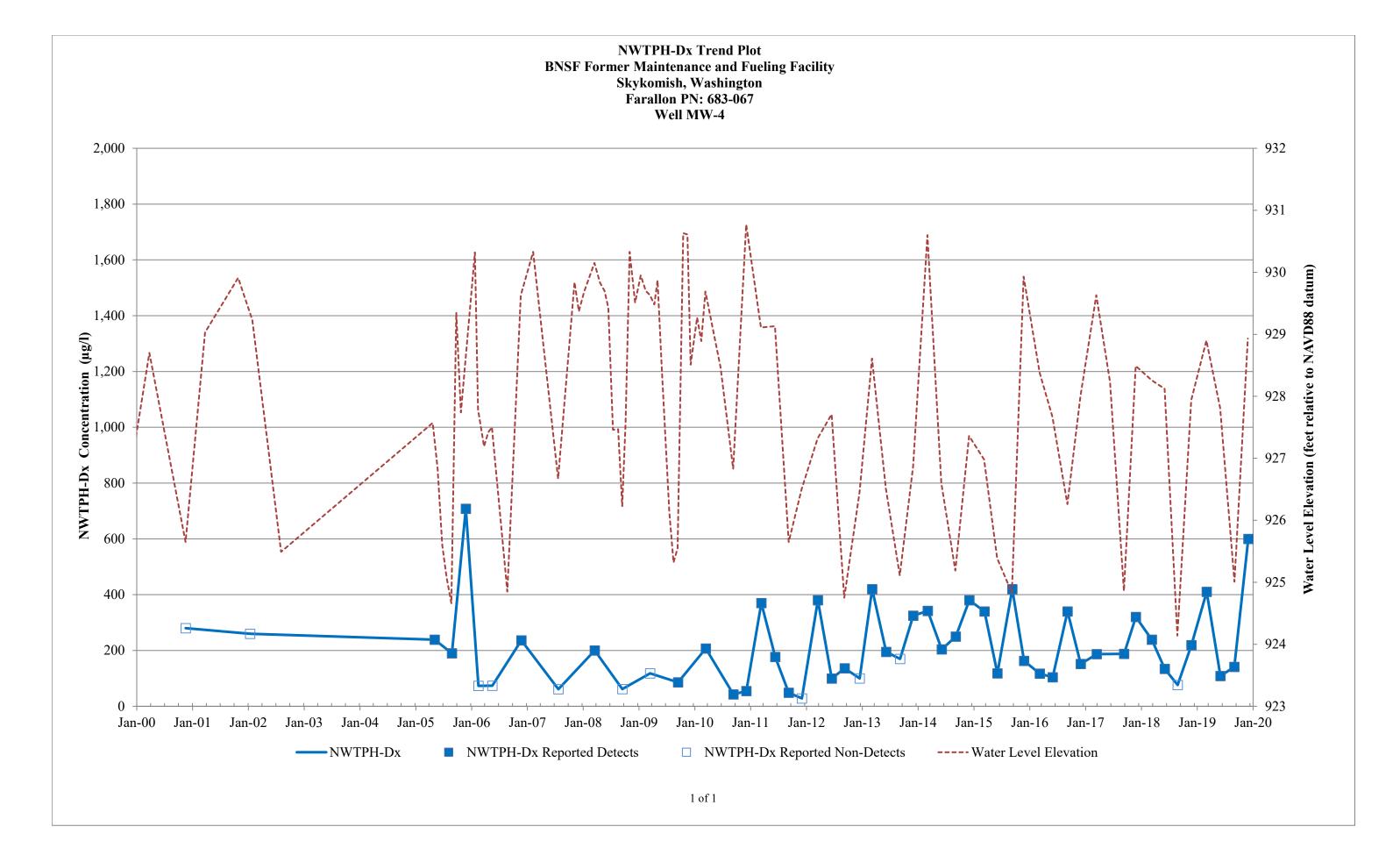


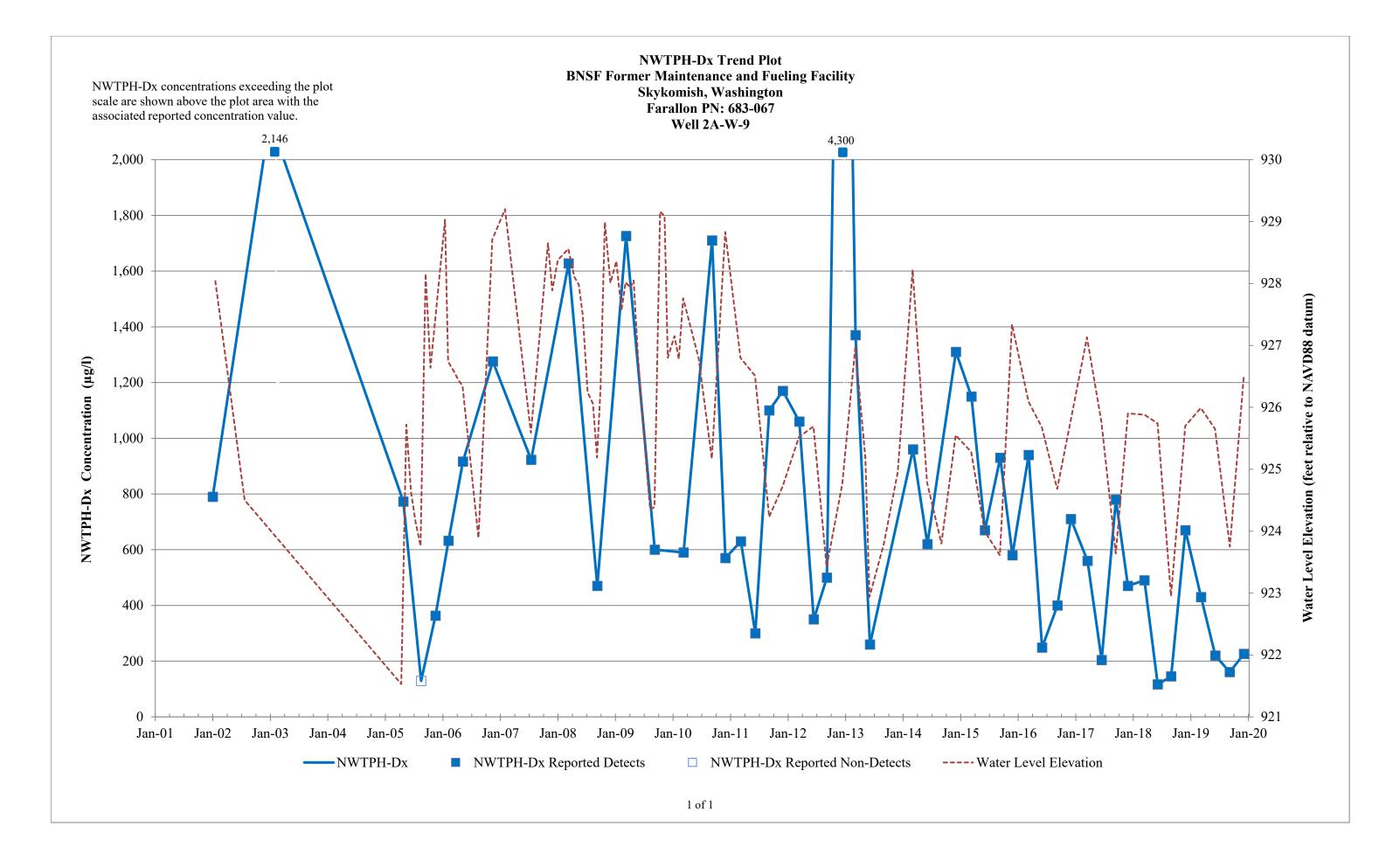


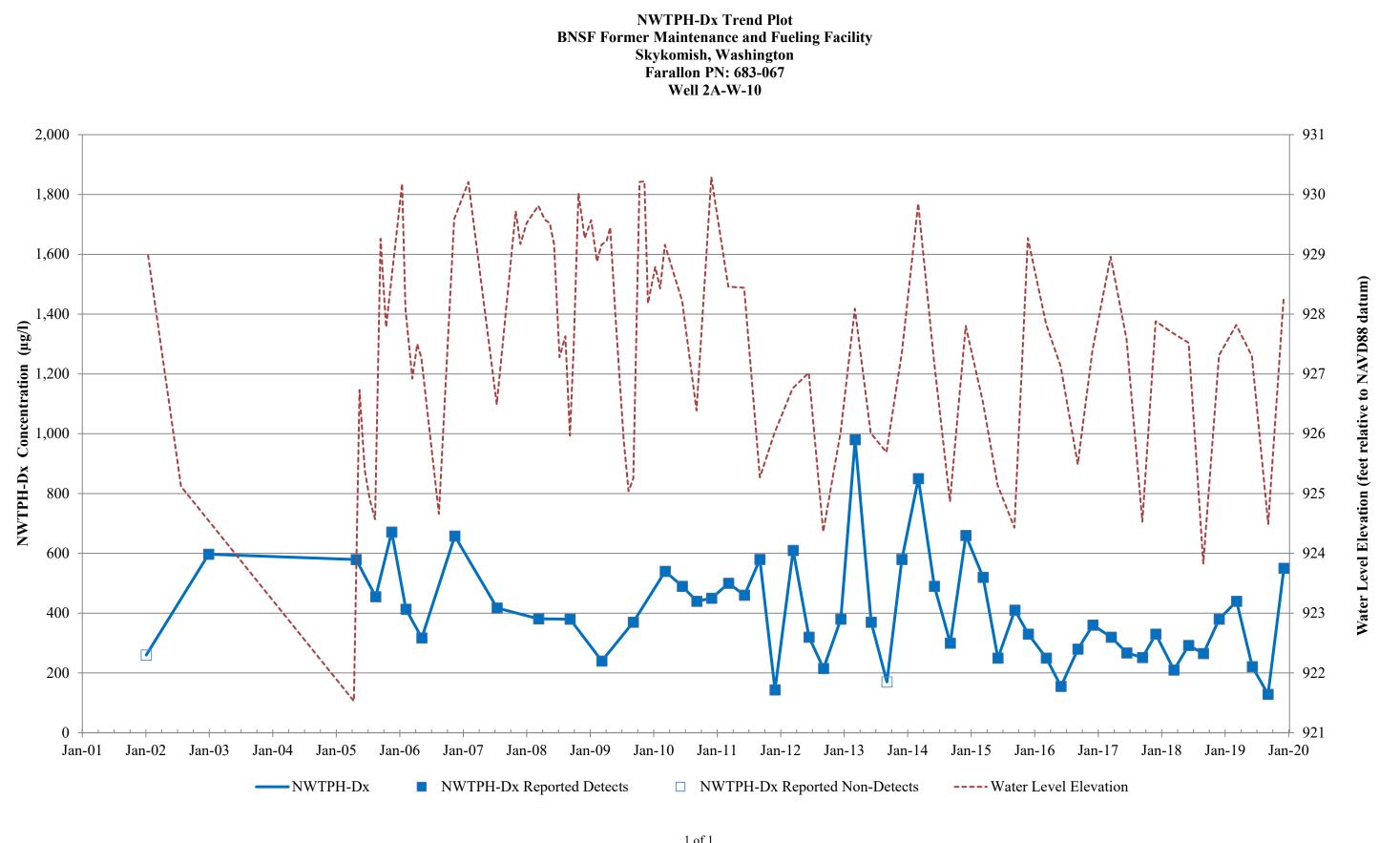
Former Maloney Creek Zone Monitoring Wells

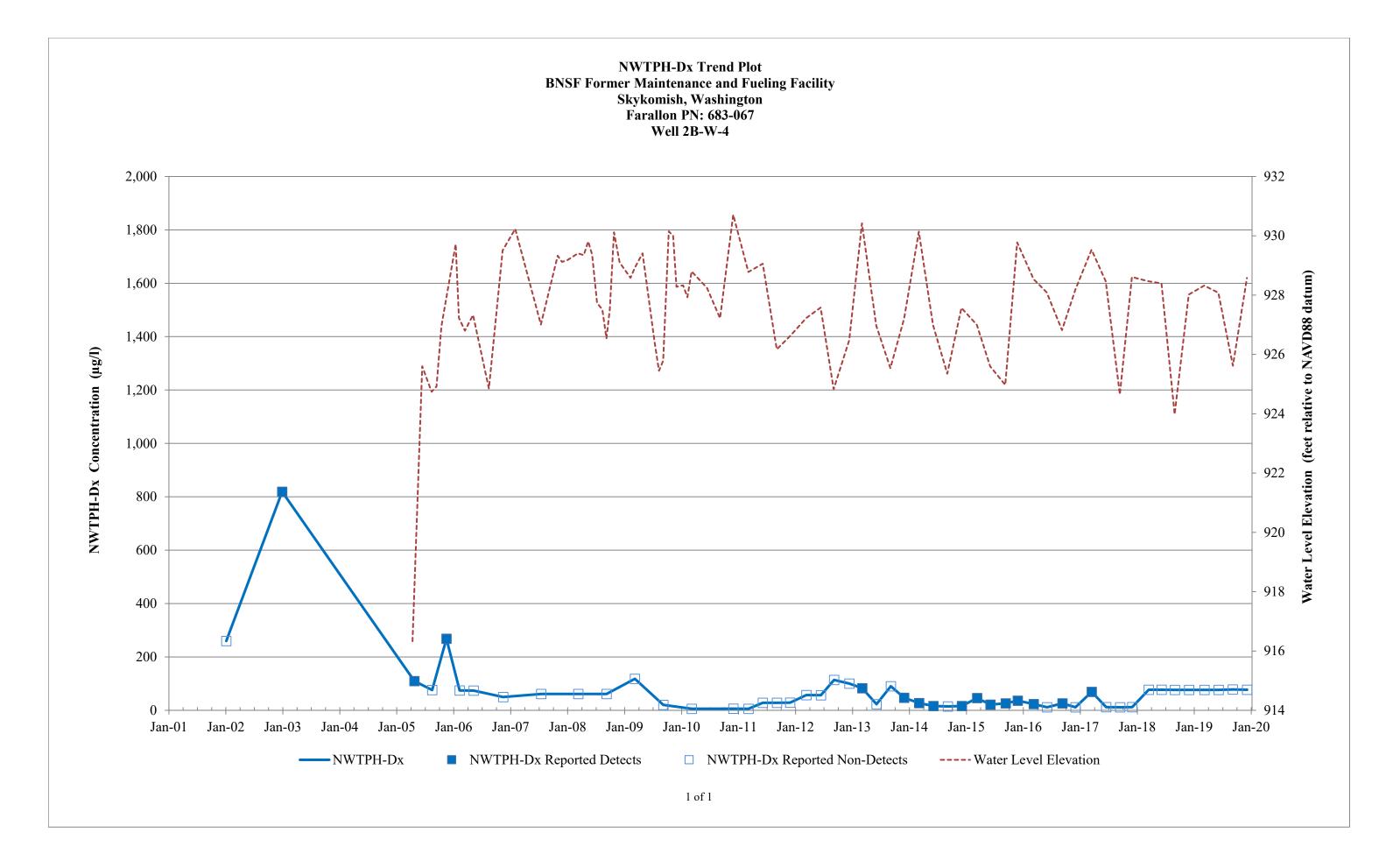
Note: Former Maloney Creek Zone monitoring wells are located within the railyard and NWTPH-Dx groundwater results from these wells have no NWTPH-Dx target.





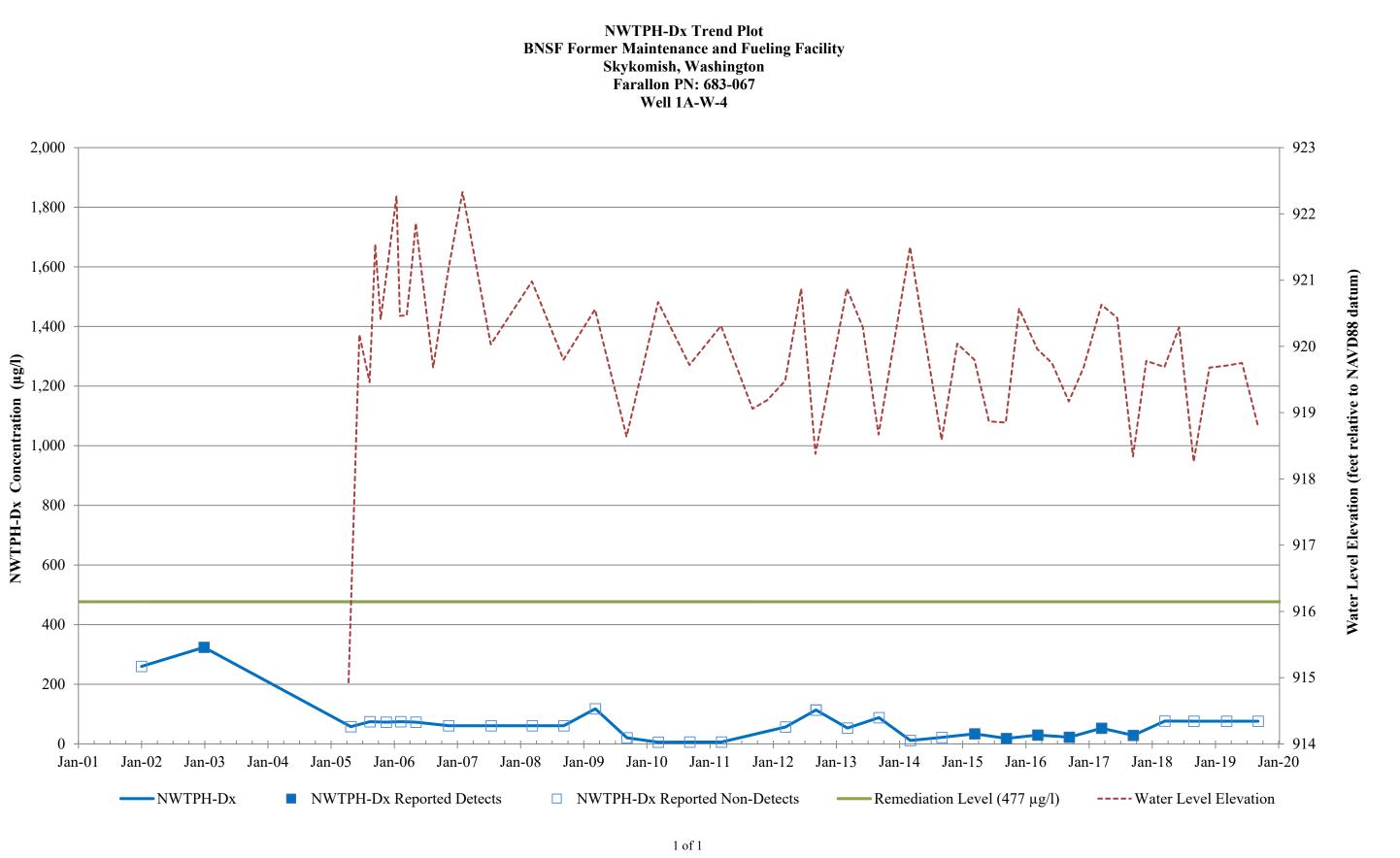


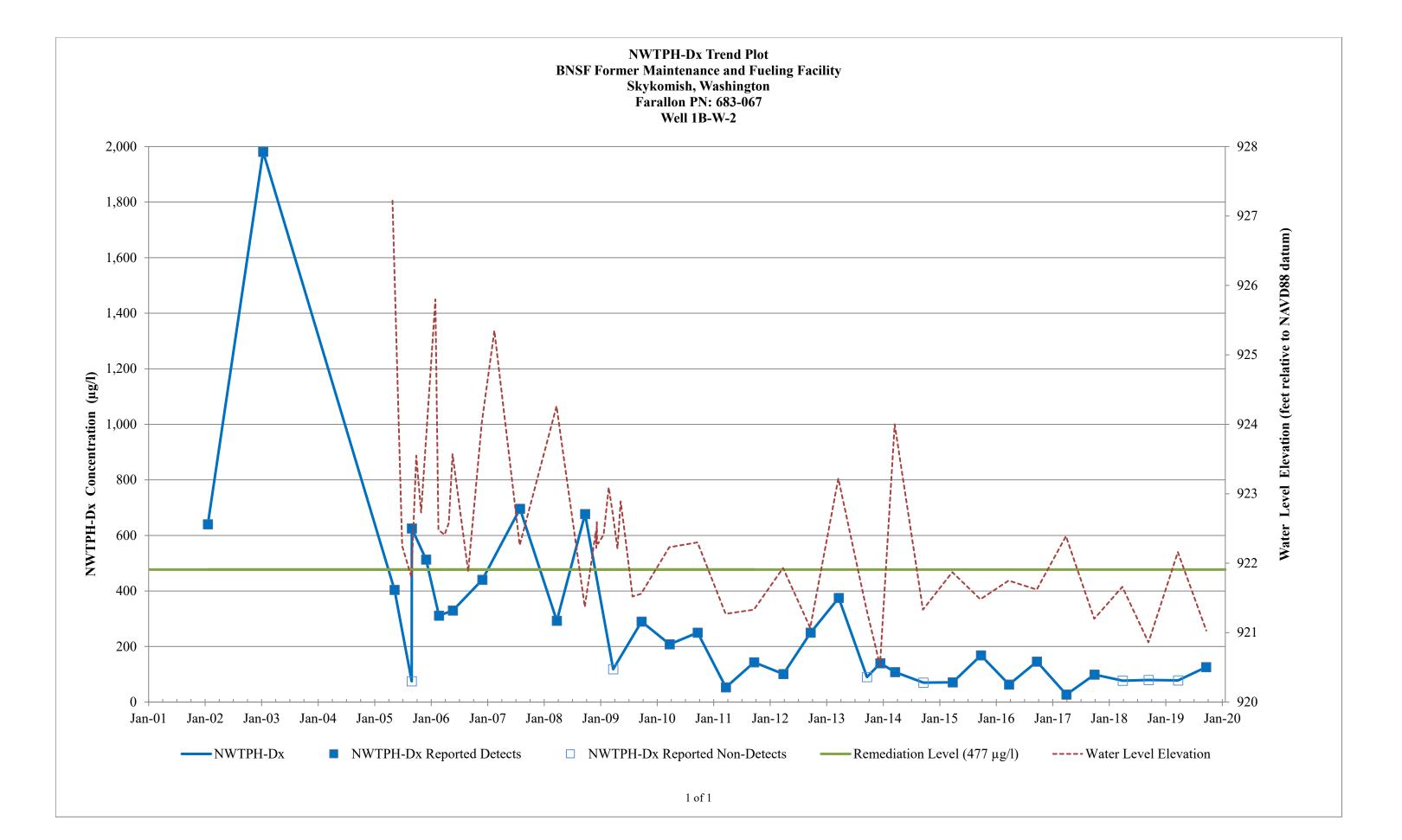


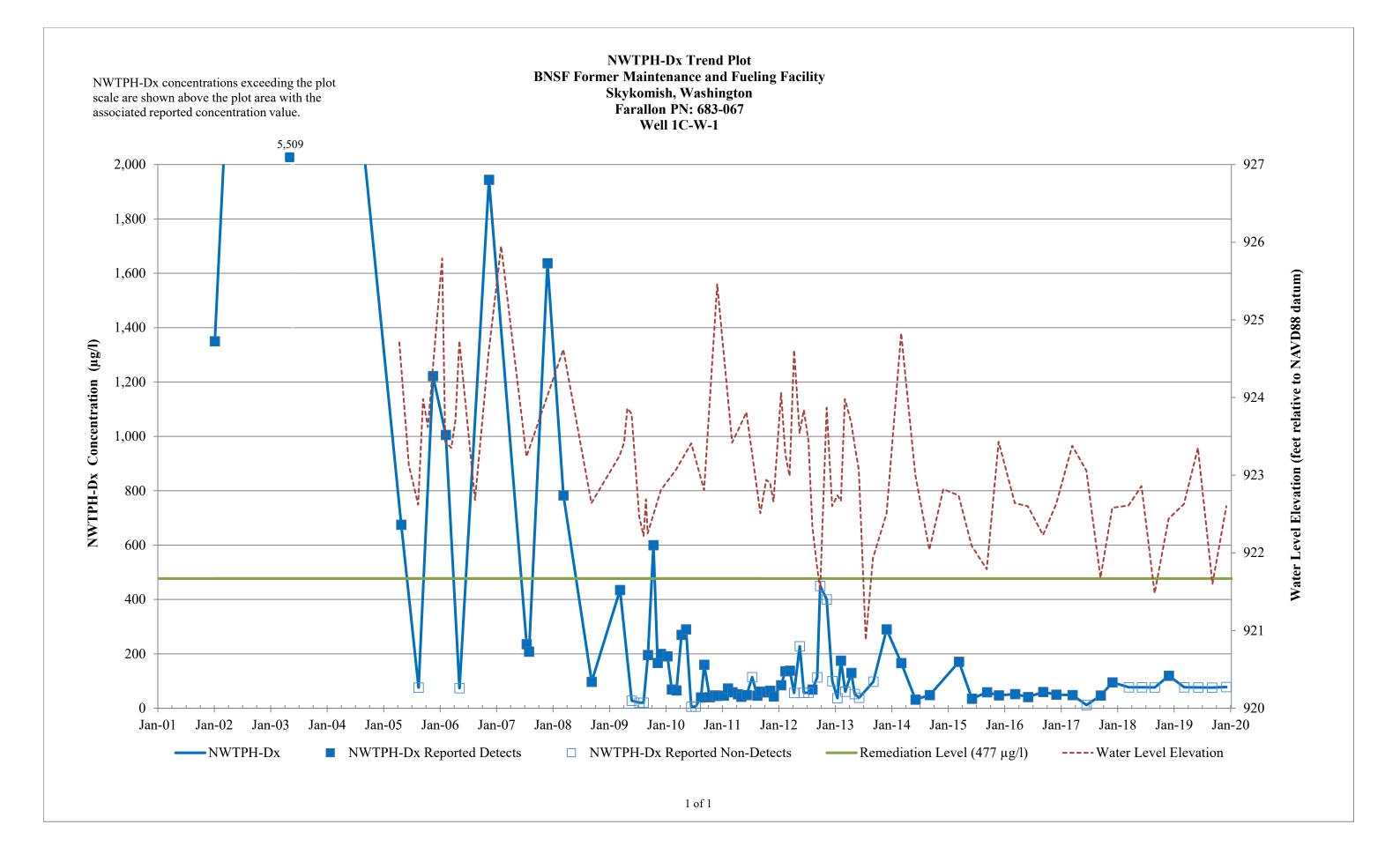


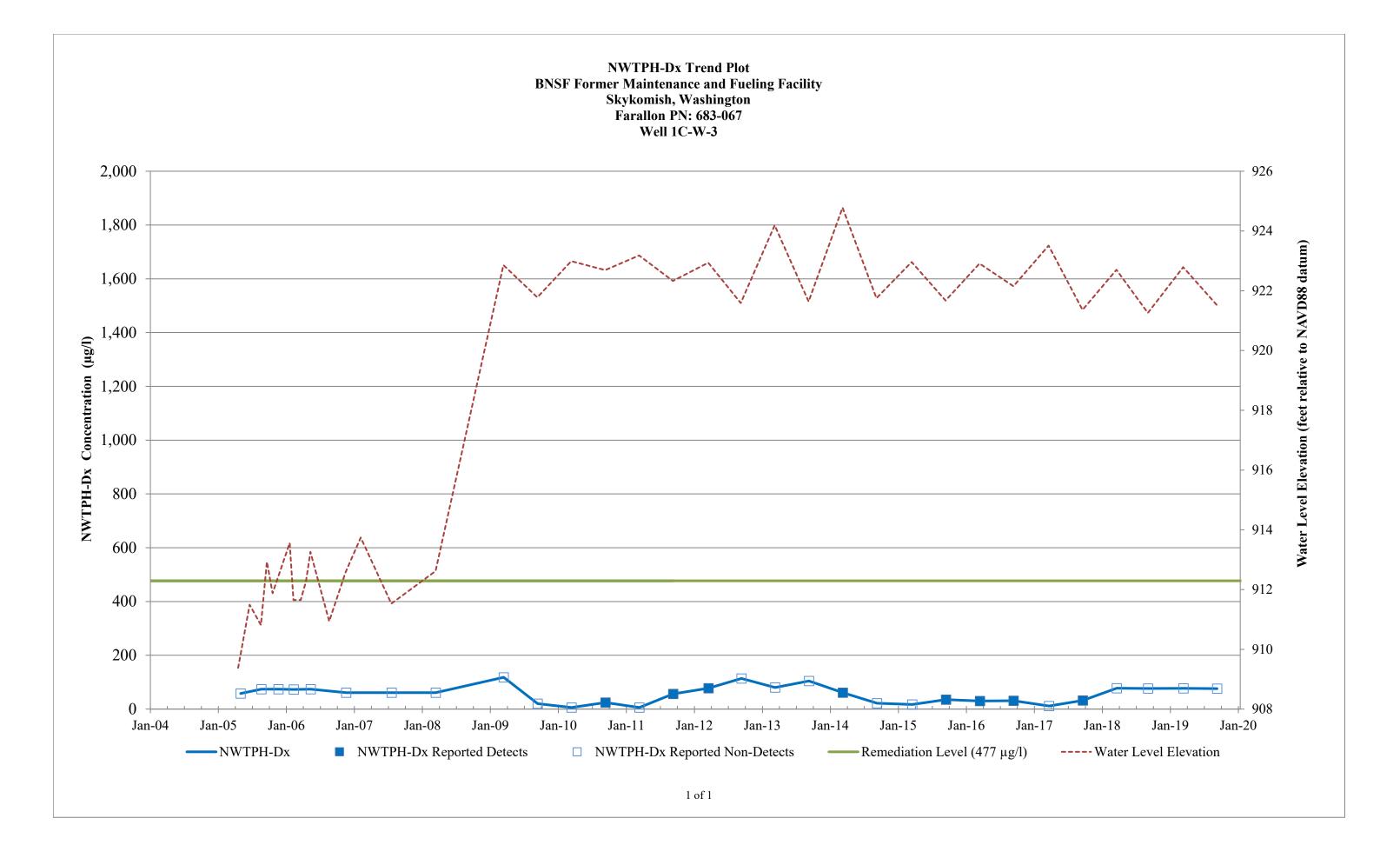
Site-Wide Monitoring Wells

Note: Groundwater NWTPH-Dx results from site-wide monitoring wells located north of the railyard (downgradient) are compared to the RL of 477 micrograms per liter; groundwater NWTPH-Dx results from monitoring wells located within the railyard have no NWTPH-Dx target.









NWTPH-Dx Trend Plot BNSF Former Maintenance and Fueling Facility Skykomish, Washington Farallon PN: 683-067 Well 1C-W-4 2,000 1,800 1,600 1,400 Concentration (µg/l) 1,200 1,000 NWTPH-Dx 800 600 400 200 0 Jan-08 Jan-04 Jan-05 Jan-06 Jan-07 Jan-09 Jan-10 Jan-11 Jan-12 Jan-14 Jan-15 Jan-16 Jan-17 Jan-13 ■ NWTPH-Dx Reported Detects □ NWTPH-Dx Reported Non-Detects -----Remediation Level (477 μg/l)

