SUPPLEMENTAL DATA GAP INVESTIGATION REPORT

NORTH CASCADE FORD SITE
SEDRO-WOOLLEY, WASHINGTON

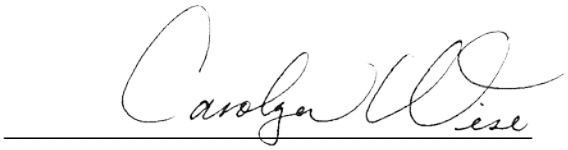
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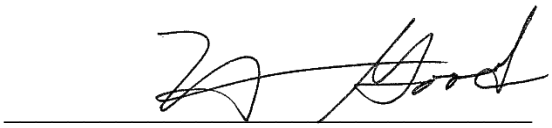
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The material and data in this report were prepared under the supervision and direction of the undersigned.

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ACRONYMS AND ABBREVIATIONS

AOC	area of concern
AOC 1	Auto Repair Shop AOC
AOC 2	Former Underground Storage Tanks AOC
AOC 3	Former Coal Storage Sheds/Possible Buried Object AOC
AOC 4	Former Auto Services AOC
AST	aboveground storage tank
bgs	below ground surface
BNSF	Burlington Northern Santa Fe Railway Company
BTEX	benzene, toluene, ethylbenzene, and total xylenes
COI	chemical of interest
CUL	cleanup level
CSM	conceptual site model
DRO	diesel-range organics
Ecology	Washington State Department of Ecology
FSDS	field sampling data sheet
GeoTest	GeoTest Services, Inc.
GPR	ground penetrating radar
GRO	gasoline-range organics
HCID	hydrocarbon identification
MFA	Maul Foster & Alongi, Inc.
mg/kg	milligrams per kilogram
MTCA	Model Toxics Control Act
NFA	No Further Action
NWTPH	Northwest Total Petroleum Hydrocarbon
ORO	Heavy-oil-range organics
PCS	petroleum contaminated soil
PID	photoionization detector
Property	North Cascade Ford property at 116 West Ferry Street, Sedro-Woolley, Washington
RI	remedial investigation
Site	North Cascade Ford cleanup site
TPH	total petroleum hydrocarbons
ug/L	micrograms per liter
UST	underground storage tank
VOC	volatile organic compound
VCP	Voluntary Cleanup Program
VSF	VSF Properties, LLC
Whatcom	Whatcom Environmental Services

1 INTRODUCTION

On behalf of VSF Properties, LLC, Maul Foster & Alongi, Inc. (MFA) conducted a supplemental data gap investigation at the North Cascade Ford property at 116 West Ferry Street in Sedro-Woolley, Washington (the Property) in April and May 2017 (see Figure 1-1). The investigation was conducted as part of a remedial investigation (RI) being conducted on the Property and neighboring properties and in accordance with the scope of work outlined in the March 7, 2017 work order, as agreed to by the carrier group and their environmental consultant.

2 BACKGROUND

The Property and an adjacent property owned by the Burlington Northern Santa Fe Railway Company (BNSF) (see Figure 2-1) are included in the North Cascade Ford cleanup site (the Site) (Washington State Department of Ecology [Ecology] facility site identification number 58313566 and cleanup site identification number 12075). An RI is being conducted at the Site in support of obtaining a No Further Action (NFA) opinion for the Property from Ecology through its Voluntary Cleanup Program (VCP).

Previous investigations conducted as part of environmental due diligence and preliminary RI activities have identified environmental impacts in four areas of the Site, referred to as Areas of Concern (AOCs) 1 through 4 (MFA, 2015b and MFA, 2017). AOCs 1 through 4 are presented in Figure 2-1.

AOC 4 was formerly referred to as "Former Gasoline Station," but, given that no evidence of a gasoline station at that location has been identified, the AOC has been re-named "Former Auto Services" to better reflect the historical tire vulcanizing, battery servicing, and gas and oils storage activities. No further action is being conducted in AOC 4 at this time, pending an opinion from Ecology.

An interim action was completed in AOC 2 in fall 2016. The interim action included excavation and removal of underground storage tanks (USTs) and petroleum-contaminated soil, and in situ treatment of petroleum-impacted groundwater within the UST excavation (MFA, 2016). Regenesis's Advanced Oxygen Release Compound (ORC Advanced®) Pellets were used for the in situ groundwater treatment (i.e., bioremediation).

In November 2016, MFA conducted a data gap investigation to further characterize the nature and extent of impacts associated with contaminants of interest (COIs) in AOCs 1 through 3 (MFA, 2017). Following the November 2016 investigation, several data gaps for AOCs 1 through 3 were identified for further assessment (MFA, 2017). A supplemental data gap investigation was conducted in April and May 2017 to assess those data gaps, which included the following activities:

- Install monitoring wells to evaluate groundwater flow conditions and confirm reconnaissance groundwater results in AOCs 1 and 2

- Assess petroleum concentrations in soil to be collected from monitoring well installation locations in AOC 1 to inform remedy selection and design

- Delineate the extent of remaining diesel-range organics (DRO) cleanup level (CUL) exceedances in soil and groundwater and total naphthalenes (i.e., the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene concentrations) CUL exceedances in soil to the northwest of the UST removal and soil excavation area in AOC 2

- Install monitoring wells that may be used during future monitoring events to evaluate the effectiveness of the in situ groundwater treatment in AOC 2

- Evaluate whether DRO CUL exceedances in groundwater in AOC 2 extends south, across the West Ferry Street right-of-way, onto the Property located south of West Ferry Street

- Evaluate whether the possible buried object in AOC 3 is an abandoned UST and further evaluate petroleum-related impacts in soil and groundwater near the possible buried object

However, the following data gaps identified during the November 2016 investigation were not assessed as part of the April and May 2017 investigation:

- AOC 1: Auto Repair Shop. A complete characterization of the lateral and vertical extent of chemically impacted soil and groundwater on the BNSF property within this AOC has not been conducted. Additional investigation on the BNSF property was not conducted due to access restrictions.
- AOC 2: Former USTs. ORC Advanced Pellets are typically effective for up to 12 months; therefore, it may take up to a year (until fall 2017) for post-treatment groundwater conditions to stabilize. Therefore, groundwater monitoring to assess the efficacy of the bioremediation and subsequent groundwater quality conditions was not performed.
- AOC 3: Former Coal Storage Sheds/Possible Buried Object. Data gaps identified in association with the delineation of coal-related impacts in soil were determined to be insignificant for understanding risks associated with the coal material and for selection and design of a cleanup remedy; therefore, they were not addressed. Additional assessment of the nature and extent of impacts related to the possible buried object within this AOC is necessary in order to better inform the placement of potential monitoring wells. Therefore, monitoring wells were not installed within this AOC at this time.

Information collected as part of this supplemental data gap investigation will be used to further characterize environmental conditions and inform selection and design of additional interim actions.

3 FIELD INVESTIGATION ACTIVITIES

Sampling locations from this and previous investigations are shown in Figure 2-1, and sampling details for this investigation are summarized in Table 3-1. As discussed in the previous data gap investigation report, the surveyed Property boundaries and Skagit County parcel boundaries do not coincide (see Figure 2-1); therefore, for the purposes of this report, areas and sampling locations located within the surveyed Property boundaries are considered to be on the Property (MFA, 2017).

During this supplemental data gap investigation, the following work was completed to further evaluate environmental impacts in AOCs 1 through 3: five borings (GP74 through GP78) were advanced for collection of soil and/or reconnaissance groundwater samples; six borings were advanced for completion as groundwater monitoring wells (MW02R and MW04 through MW08)—soil samples were also collected from three of those borings (MW05 through MW07)—and groundwater samples were collected from existing monitoring well MW01 and the newly installed monitoring wells. A ground-penetrating radar (GPR) survey was also conducted in a portion of AOC 3 to assess for the potential presence of an abandoned UST. Work completed during this investigation was conducted on the Property.

The following is a summary of investigation activities completed in each AOC (see Figure 2-1 for sample locations) and any deviations from the original March 7, 2017 scope of work:

AOC 1—Auto Repair Shop:

- Three monitoring wells (MW05, MW07, and MW08 - referred to as locations 03, 02, and 01, respectively, in the March 7, 2017 scope of work) were installed. Soil samples were collected during drilling and/or groundwater samples were collected from the completed monitoring wells and analyzed for COIs associated with AOC 1.
- A groundwater sample was collected from an existing monitoring well (MW01) and analyzed for COIs associated with AOC 1.
- Monitoring well location MW07 (formerly referred to as location 02) was moved slightly southwest due to access and height restrictions for operating the drill rig within the auto repair shop.

AOC 2—Former USTs:

- Three monitoring wells (MW02R, MW04, and MW06 - referred to as locations 05, 06, and 04, respectively, in the March 7, 2017 scope of work) were installed. Soil samples were collected during drilling and/or groundwater samples were collected from the completed monitoring wells and analyzed for COIs associated with AOC 2.
- Two borings (GP74 and GP75 - formerly referred to as locations 07 and 08, respectively, in the March 7, 2017 scope of work) were advanced on the Property south of West Ferry

Street. Reconnaissance groundwater samples were collected and analyzed for COIs associated with AOC 2.

AOC 3—Former Coal Storage Sheds/Possible Buried Object:

- A GPR survey was conducted in the vicinity of GP51 to assess the potential presence of an abandoned UST.
- Three borings (GP76, GP77, and GP78 - formerly referred to as locations 10, 09, and 11, respectively, in the March 7, 2017 scope of work) were advanced in the vicinity of GP51. Soil and reconnaissance groundwater samples were collected and analyzed for COIs associated with a possible abandoned UST.
- Boring GP76 (formerly referred to as location 10) was moved slightly west in order to position the boring east of and immediately adjacent to a raised asphalt area—which may be indicative of the presence of a buried object—and GP51.
- Inner Property parcel boundaries were not marked during this investigation; therefore, borings GP74 and GP75 (formerly referred to as locations 07 and 08, respectively, in the March 7, 2017 scope of work), were moved slightly west to ensure that the borings were advanced on the intended parcels.

Water levels were measured from monitoring wells MW01 through MW08 in April and May 2017, with the exception of MW03 in April 2017.

Field activities were conducted consistent with the project-specific sampling and analysis plan included in MFA's original data gap investigation work plan (MFA, 2015a), as well as the Washington State Model Toxics Control Act (MTCA) regulations (Washington Administrative Code 173-340).

All boring and monitoring well locations were cleared by both private and public utility locators before borehole advancement. Temporary boring locations were decommissioned with bentonite chips after sample collection. Boring locations were located using a handheld global positioning system unit, and monitoring well locations and measuring point elevations were surveyed by a licensed surveyor (see Figure 2-1).

3.1 GPR Survey

A GPR survey was performed by GeoTest Services, Inc. (GeoTest) of Bellingham, Washington, on April 19, 2017 to assess the potential presence of an abandoned UST. The GPR survey report is included as Appendix A.

3.2 Soil Sampling

A direct-push drill rig (Geoprobe™) was used to advance continuous soil cores at 11 boring locations from the ground surface up to 20 feet below ground surface (bgs). Most borings were advanced up to 15 feet bgs to evaluate potential soil impacts, collect shallow reconnaissance groundwater samples, and/or complete as established monitoring wells for collection of shallow groundwater samples.

Generally, samples were collected of unsaturated soil—soil from the capillary fringe above the water table—and saturated soil (see Table 3-1). Unsaturated zone soil samples were collected to evaluate soil conditions within the soil point of compliance. Non-aqueous phase liquids (NAPLs) tend to accumulate and spread along the capillary fringe; therefore, samples were collected at the capillary fringe to evaluate the source and migration potential of petroleum hydrocarbons in the subsurface. Saturated soil samples were collected in combination with groundwater samples in some locations. Groundwater samples are considered representative of dissolved-phase impacts for comparison to groundwater cleanup standards; saturated soil samples represent a combination of soil and groundwater impacts and are not considered representative for comparison to soil or groundwater cleanup standards. Notwithstanding, saturated soil samples were collected to evaluate total chemical mass present in the saturated zone—in both the dissolved and sorbed phases—for the purpose of informing future remedy selection and design.

A photoionization detector (PID) was used to screen soil for organic vapors from borings advanced in AOC 3 due to the presence of volatile organic compounds previously identified in this AOC. Soil in AOCs 1 and 2 was not screened with a PID during drilling because COIs in those AOCs are generally non-volatile constituents. Selected soil samples exhibiting elevated PID readings, sheen, and/or odor were collected for analysis. PID readings, soil conditions, and visual and olfactory observations were recorded on field boring logs (see Appendix B).

3.3 Reconnaissance Groundwater Sampling

Temporary well screens (0.75-inch-diameter, 10-foot-long, polyvinyl chloride, 0.010-inch slotted well screens) were installed at two boring locations for collection of reconnaissance groundwater samples. A peristaltic pump and disposable tubing were used to collect the samples. Water quality parameters (i.e., conductivity, pH, and temperature) and water levels were measured before sample collection (see water field sampling data sheets [FSDSs] included as Appendix C).

3.4 Monitoring Well Installation and Development

Six monitoring wells (MW02R, MW04, MW05, MW06, MW07, and MW08) were installed from the ground surface up to 20 feet bgs for collection of groundwater samples. Monitoring wells were constructed with 2-inch-diameter, polyvinyl chloride, pre-packed, 0.010-inch slotted well screens and completed with flush monuments (see monitoring well completion details on boring logs included as Appendix B).

Monitoring wells were mechanically developed on April 25, 2017, at least 24 hours after installation. Development consisted of using a surge block and tubing to surge and pump at least 10 well volumes of groundwater from the well casing. Groundwater was purged from the wells until it appeared relatively clear.

3.5 Monitoring Well Sampling

Groundwater monitoring and sampling activities began at least 24 hours after completion of mechanical development activities to allow the newly installed monitoring wells to recover and

stabilize. Monitoring well MW01 was redeveloped on November 22, 2016; therefore, it was not redeveloped during this sampling event. The wells were sampled on April 26, 2017. Before sampling, water levels were measured using a water level probe or an oil-water interface probe.

Slight odors were observed in the purge water of the following wells: MW01 (as well as trace sheen), MW02R, MW05, MW07, and MW08. Trace globules of dark brown, viscous free product (i.e., NAPL), approximately 1-millimeter in diameter, were present on the tip of the interface probe at MW01, but apparently not enough free product was present for the oil-water interface probe to register a thickness of free product.

Monitoring wells were purged at a low flow rate before sampling until at least one well volume of water was removed, and the water quality parameters had stabilized. Eight groundwater samples, including a field duplicate from MW01, were collected (see water FSDSs in Appendix C).

3.6 Management of Investigation-Derived Waste

All investigation-derived waste (e.g., soil cuttings and purge water) was drummed, labeled, and stored on the Property, pending appropriate off-site disposal.

4 LABORATORY ANALYSIS

Soil and groundwater samples were collected in laboratory-provided containers, some of which contained preservatives, as appropriate; labeled; and submitted for laboratory analysis to OnSite Environmental, Inc. in Redmond, Washington, under standard chain-of-custody procedures. Samples submitted for laboratory analysis, and the specific chemical analyses performed on those samples, are summarized in Table 3-1.

The following tiered approach was used to select follow-up analyses for some samples:

- If petroleum hydrocarbons were detected in samples analyzed for hydrocarbon identification (HCID) by the Northwest Total Petroleum Hydrocarbon (NWTPH) HCID method (NWTPH-HCID), quantification for that sample was requested by the following additional analyses:
  - DRO and/or heavy-oil-range hydrocarbons (ORO) by the NWTPH-Dx method for samples with DRO or ORO detections.
  - Gasoline-range organics (GRO) by the NWTPH-Gx method for samples with GRO detections.
- If GRO was detected by the NWTPH-HCID method, the sample was also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by U.S. Environmental Protection Agency method 8021B or 8260C.

- Preliminary total naphthalenes, BTEX, and low-level volatile organic compound analytical results for samples collected at GP76 were used to select follow-up analyses for those same constituents at GP77 and GP78. Analytical methods for those analytes are specified in Table 3-1.

5 INVESTIGATION RESULTS

5.1 Geology and Hydrogeology

Subsurface soil conditions encountered in the boreholes were generally consistent with previous observations, as documented in the preliminary RI (MFA, 2015b) and data gap investigation report (MFA, 2017). A fill unit consisting of sandy gravel with silt, gravel, and poorly graded sand was observed from the ground surface to approximately 0.5 to 2.5 feet bgs. The fill unit was underlain by silty sand with intermittent lenses, as well as several-feet-thick units of poorly graded sand which were logged to the maximum drilling depth of 20 feet bgs. Trace amounts of woody debris were observed in the silty sand and sand units and appeared to be more prevalent with depth.

A unit of coal, approximately one foot thick, was observed in shallow soil collected at GP78 while trace amounts of coal were observed in several other borings advanced on the eastern half of the Property. Coal observations were consistent with previous observations, as documented in the preliminary RI (MFA, 2015b) and data gap investigation report (MFA, 2017). In general, the thickness of coal decreased with distance from the former coal sheds. Brick fragments were also commonly observed with the coal fragments.

Eight monitoring wells are now present at the Site. Water levels were measured in April and May 2017 to assess groundwater elevations and groundwater flow direction (see Table 5-1). During those events, groundwater was encountered between approximately 6 and 8 feet bgs across the Property, and groundwater flow directions ranged from southwest, to west, to northwest in April 2017, with the exclusion of MW03, which is located on the west side of the Property (see Figure 5-1); and from southwest, to west, to northwest, to northeast in May 2017, with the inclusion of MW03 (see Figure 5-2). Groundwater elevation measurements from May 2017 suggest a groundwater low or sink in the central portion of the Property, beneath the auto sales and service building. In comparison, data from previous monitoring events indicate that groundwater depths range from approximately 5 to 10 feet bgs and can vary by up to approximately 4.5 feet seasonally (see Table 5-1); and groundwater has been observed to consistently flow toward the southeast (MFA, 2015b). Hydraulic gradients observed in April and May 2017 were approximately 0.03 foot/foot, compared to the approximately 0.003 foot/foot gradients observed during previous investigations (MFA, 2015b).

The lithology does not support the potential presence of a groundwater sink beneath the auto sales and service building. Whereas a greater abundance of woody debris has been observed in previous borings completed in that area (MFA, 2015b and MFA, 2017), and variability exists in the thickness and extent of coarse- versus fine-grained units across the Site. No significant lithologic variations were observed under the building. It is more likely that the groundwater contours observed during this

investigation are a result of localized groundwater flow variations and not a dominant, Property-wide groundwater flow regime. Localized variations in groundwater flow are expected given the relatively low permeability and heterogeneity of soil types present at the Site, which likely results in differing, localized infiltration rates and groundwater ponding. The difference in groundwater flow directions and gradient observed in 2017 versus previous investigations is likely due to the addition of monitoring wells, which has now made it possible to evaluate some of those localized variations. Additional monitoring may indicate whether the groundwater flow patterns, as observed with the addition of the new monitoring wells, vary temporally. Additional monitoring wells and further subsurface characterization, in the form of cross section development, would better inform understanding of localized versus Property-wide groundwater flow patterns. With the currently available information, uncertainty regarding dominant groundwater flow patterns exists. Therefore, a conservative interpretation of groundwater flow conditions is that localized groundwater flow variations may result due to the variabilities of the subsurface soil conditions and hydrogeologic regime at the Property.

5.2 GPR Survey

During the GPR survey, GeoTest did not observe indications of an abandoned UST within the scanned area. However, GeoTest said that they were unable to observe conditions in the subsurface deeper than approximately five feet bgs due to the presence of the groundwater table at that depth during the survey (see Appendix A). GeoTest did observe significant amounts of fill soils within the scanned area, but did not identify anomalies or a specific boundary or area of fill that may suggest the approximate limits of a buried object.

5.3 Laboratory Analytical Results

Laboratory analytical reports are included as Appendix D. The laboratory data were validated by an MFA chemist. A data validation memorandum, which summarizes data evaluation procedures, usability of data, and deviations from field and/or laboratory methods, is included as Appendix E. Analytical data and the laboratory's internal quality assurance and quality control data were reviewed to assess whether data quality objectives had been met. The tiered sampling approach resulted in holding time exceedances for a few samples; some of those values were flagged as estimated. The data were validated and are considered acceptable for their intended use, with the appropriate data qualifiers assigned (see Appendix E).

The following is a summary of chemicals detected in soil and groundwater in each AOC during the 2017 supplemental data gap investigation. A summary of laboratory analyses performed on each sample is included in Table 3-1.

5.3.1 Soil

Soil analytical results from the 2017 supplemental data gap investigation are summarized in Tables 5-2 to 5-4.

As discussed in Section 3.2, soil samples were collected from the unsaturated zone, capillary fringe, and saturated zone. Soil sampling intervals are identified in Table 3-1. Saturated soil samples are identified in Tables 5-2 through 5-4.

5.3.1.1 AOC 1: Auto Repair Shop

Six soil samples were collected from the unsaturated and saturated zones at monitoring well locations MW05 and MW07 and analyzed for hydrocarbon identification. Hydrocarbons were not detected in the saturated zone samples (see Table 5-2). DRO, ORO, and GRO were detected in one shallow, unsaturated zone soil sample collected from MW05 from a depth of 0.6 to 0.9 feet bgs; therefore, GRO, DRO, and ORO were quantified for the sample. DRO and ORO were detected at concentrations of 140 and 530 milligrams per kilogram (mg/kg), respectively. GRO was not quantified above its method reporting limit.

BTEX analyses were also conducted on the shallow soil sample from MW05 with no detections identified above the method reporting limits (see Table 5-2).

5.3.1.2 AOC 2: Former USTs

Three soil samples were collected from the unsaturated zone, capillary fringe, and unsaturated zone, at monitoring well location MW06 and analyzed for naphthalenes (including 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene), DRO, and ORO. Naphthalenes were detected in the unsaturated zone—shallow soil sample from MW06 from a depth of 1.0 to 1.4 feet bgs (see Table 5-3). No other detections were identified in the soil samples analyzed.

5.3.1.3 AOC 3: Former Coal Storage Sheds/Possible Buried Object

Nine soil samples were collected from the unsaturated and saturated zones at boring locations GP76 through GP78 and analyzed for hydrocarbon identification. DRO and/or ORO were detected in four of the samples, from both the unsaturated and saturated zones, from two locations (GP76 and GP78) from depths of 0.8 to 7.2 feet bgs (see Table 5-4). GRO was detected in the saturated zone sample from GP76 from a depth of 6.8 to 7.2 feet bgs. GRO, DRO, and/or ORO were quantified for the samples. Four samples had detections of DRO with concentrations ranging between 120 to 1,400 mg/kg. ORO was detected at a concentration of 320 mg/kg in an unsaturated zone sample from GP78 from a depth of 0.8 to 1.2 feet bgs. GRO was detected at a concentration of 420 mg/kg in a saturated zone sample from GP76 from a depth of 6.8 to 7.2 feet bgs.

Nine samples from three locations were analyzed for BTEX. At least one of the BTEX constituents was detected in four samples from two locations (GP76 and GP78) (see Table 5-4). Detected benzene concentrations ranged between 0.0022 and 0.081 mg/kg, with the highest concentration detected in the unsaturated zone sample from GP76 from a depth of 1.6 and 2.0 feet bgs.

Three samples from one location, GP76, were analyzed for 1,2-dibromoethane, 1,2-dichloroethane, methyl tert-butyl ether, and n-hexane. N-hexane was detected in all three samples at concentrations of 0.094 ug/L to 7.1 ug/L; the highest concentration was detected in the saturated zone sample from

6.8 to 7.2 feet bgs (see Table 5-4). All other constituents were not detected above their method reporting limits.

Six samples from three locations were analyzed for naphthalenes (including 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene). Naphthalenes were detected in five samples from two locations (GP76 and GP78) (see Table 5-4). Total naphthalene concentrations (i.e., the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene concentrations) ranged from 0.14 to 6.6 mg/kg in samples collected from depths of 0.8 and 7.2 feet bgs; the highest concentration was detected in the saturated zone sample collected from GP76 from 6.8 to 7.2 feet bgs.

5.3.2 Groundwater

Groundwater analytical results from the 2017 supplemental data gap investigation are summarized in Tables 5-5 through 5-7.

5.3.2.1 AOC 1: Auto Repair Shop

Five groundwater samples, including one field duplicate, from four monitoring wells were analyzed for GRO, DRO, and ORO. GRO was detected in one sample from monitoring well MW05 (see Table 5-5). DRO was detected in four samples and ORO in three samples from three monitoring wells (MW01, MW05, and MW08). The highest concentrations of DRO and ORO were detected in samples from the same monitoring well, MW05, at 1,300 micrograms per liter (ug/L) and 1,100 ug/L, respectively. GRO, DRO, and ORO were not detected in the sample from monitoring well MW07.

5.3.2.2 AOC 2: Former USTs

Three groundwater samples from three monitoring wells (MW02R, MW04, and MW06) and two groundwater samples from temporary borings (GP74 and GP75) were analyzed for DRO and ORO. Two groundwater samples, from monitoring wells MW02R and MW04, had detections of DRO with the highest concentration identified in MW02R at 750 ug/L (see Table 5-6). No detections of DRO or ORO were identified in the samples from GP74, GP75, or MW06.

5.3.2.3 AOC 3: Former Coal Storage Sheds/Possible Buried Object

Three groundwater samples were collected from three temporary borings (GP76, GP77, and GP78) and analyzed for hydrocarbon identification, naphthalenes, and BTEX. GRO and DRO were detected at one location, GP76, and were subsequently quantified for the sample. GRO and DRO were detected at 6,900 and 2,800 ug/L, respectively, at this location (see Table 5-7). Detections of naphthalenes, benzene, ethylbenzene, and m,p-xylene were identified in one location, GP76.

1,2-dibromoethane, 1,2-dichloroethane, methyl tert-butyl ether, and n-hexane were analyzed from two samples from two locations (GP76 and GP78). N-hexane was detected in one sample with no other constituents detected above their method reporting limits (see Table 5-7).

6 CLEANUP LEVEL EXCEEDANCES

6.1 Preliminary Cleanup Levels

Preliminary CULs used in this report are consistent with those developed for the Site in the 2016 data gap investigation report (MFA, 2017).

6.2 Cleanup Level Exceedances

Soil and groundwater results were compared to preliminary CULs to evaluate potential human health and environmental risks at the Site. Non-detect results were not compared to CULs.

CUL exceedances identified in samples collected during the 2017 supplemental data gap investigation are summarized in the analytical summary tables (Tables 5-2 through 5-7).

CUL exceedances in samples collected from 2012 through 2017, during previous investigations and the supplemental data gap investigation, are summarized in the soil and groundwater analytical summary tables included in Appendix F (Tables F-1 through F-6) and are shown in Figures 6-1 to 6-6. Sample results from the Whatcom Environmental Services (Whatcom) Phase II environmental site assessment (Whatcom, 2011) (borings B-1 through B-9) are included in the figures, but are not included in the analytical summary tables.

Soil analytical results for samples collected during previous investigations from areas that are not included in an AOC ("Other") are included in Appendix F. Sample results from other areas are included, because they are used to supplement understanding of the nature and extent of COI impacts associated with AOCs 1 through 3. Analytical results from previous investigations conducted in AOC 4 are not included in this report. AOC 4 results are not necessary for understanding the nature and extent of COI impacts associated with AOCs 1 through 3, due to the distance between AOC 4 sample locations and AOC 1 through 3 (see Figure 2-1).

Saturated soil sample results are compared to CULs in this report only for reference but are not used to delineate the extent of soil exceedances that may require remediation. Groundwater results are used to characterize the extent of COI impacts below the water table. Saturated soil results may be used to inform future remedy selection and design.

Exceedances identified within AOCs 1 through 3 during the 2017 supplemental data gap investigation are discussed below.

6.2.1 AOC 1: Auto Repair Shop

During this investigation, no COIs were detected in soil above their respective CULs (see Table 5-2 and Figure 6-1).

DRO and ORO were detected above their CULs in groundwater samples from monitoring wells MW01, MW05, and MW08 (see Table 5-5 and Figure 6-2). The highest concentrations of DRO and ORO detected during this investigation were in samples from monitoring well MW05, located to the southeast of the former 10,000 gallon oil aboveground storage tank (AST).

6.2.2 AOC 2: Former USTs

During this investigation, no COIs were detected in soil above their respective CULs (see Table 5-3 and Figure 6-3).

DRO was detected above its CUL in the groundwater sample from monitoring well MW02R, located in the southeast corner of the former UST excavation limits (see Table 5-6 and Figure 6-4).

6.2.3 AOC 3: Former Coal Storage Sheds/Possible Buried Object

Benzene was detected above its CUL in the shallow, unsaturated soil sample collected from 1.6 to 2.0 feet bgs from boring GP76, which was advanced to the adjacent to the southeast corner of the raised asphalt area (see Table 5-2 and Figure 6-5).

GRO and total naphthalenes were also detected above their CULs in a soil sample collected from 6.8 to 7.2 feet bgs from boring GP76. However, this deeper soil sample was collected from the saturated zone and, as discussed in Section 3.2, saturated soil sample results are not considered representative for comparison to soil or groundwater cleanup standards.

Benzene, GRO, DRO, and total naphthalenes were detected above their respective CULs in the shallow groundwater sample collected from boring GP76 from approximately 6 to 15 feet bgs (see Table 5-7 and Figure 6-6).

7 SUMMARY OF ENVIRONMENTAL CONDITIONS

This section summarizes MFA's understanding of environmental conditions identified during the 2017 data gap investigation in the context of information collected during previous investigations.

7.1 AOC 1: Auto Repair Shop

Monitoring wells were installed in AOC 1 to evaluate the groundwater flow direction and collect representative groundwater samples to confirm reconnaissance groundwater results from previous investigations. Soil samples were collected during well installation to further refine understanding of nature and extent of petroleum impacts.

DRO and ORO were detected below their CULs in unsaturated soil samples from MW05, located to the east of the former 10,000 gallon oil AST (see Figure 6-1). Concentrations were generally consistent with those observed in shallow soil at adjacent locations (e.g., MW01, GP42, and GP50). Unsaturated

soil was also analyzed for BTEX and GRO, and saturated soil was analyzed for hydrocarbon identification. There were no detections during this investigation.

DRO and ORO were detected above their CULs in groundwater at monitoring wells MW01, MW05, and MW08 (see Figure 6-2). The locations and concentrations of DRO and ORO exceedances are consistent with previous observations and concentration gradients from nearby reconnaissance borings. The highest concentrations of DRO and ORO continue to be located in the vicinity of the former 10,000 gallon AST and 500 gallon waste oil AST and near the BNSF property boundary.

The west to southwest groundwater flow direction observed with the addition of monitoring wells MW05, MW07, and MW08 suggests that, consistent with previous observations, groundwater flows toward the Property from the BNSF property. However, groundwater observations from this investigation also suggest that there may be localized and intermittent steepened flow gradient and directional changes due to the lithology in AOC 1 and possibly other AOCs.

Variations in groundwater flow direction may contribute to dissolved-phase contaminant spreading, and there is still uncertainty regarding localized flow variations. However, contaminant concentrations trends identified with the 2017 sample results confirm that the extent of dissolved phase impacts in AOC 1 has not changed significantly from previous observations, and groundwater flow observations still suggest groundwater flow from the BNSF property toward the Property. Therefore, the conceptual site model (CSM) for contaminant source and migration pathways has not changed with the addition of the 2017 investigation results in AOC 1 and is not likely to change significantly with the addition of new monitoring wells or additional sample collection.

The 2017 investigation results are generally consistent with environmental impacts identified during previous investigations, as summarized in the preliminary RI and feasibility study report (MFA, 2015b) and the 2017 data gap investigation report (MFA, 2017). These new findings refine our understanding of groundwater flow conditions and chemical occurrence, which will benefit remedy selection and design, but do not change the CSM for the Site.

7.2 AOC 2: Former USTs

Monitoring wells were installed in AOC 2 to evaluate the groundwater flow direction and collect representative groundwater samples to confirm reconnaissance groundwater results from previous investigations. The monitoring wells may be used in the future to monitor effectiveness of the in situ groundwater treatment that was conducted as part of the 2016 interim action.

Based on groundwater flow directions observed during previous investigations, monitoring well MW06 was installed to be upgradient, and MW02R and MW04 were installed to be downgradient, of the UST excavation area. Groundwater samples were collected from the newly installed wells and analyzed for DRO and ORO. Reconnaissance groundwater samples were also collected from borings located in what previous investigation results indicated was a downgradient direction on the Property, to the south of West Ferry Street. Samples from those borings were analyzed for DRO and ORO to determine if dissolved-phase impacts associated with AOC 2 are migrating across West Ferry Street.

DRO was detected in groundwater samples from monitoring wells MW02R and MW04; the concentration detected at MW02R exceeded the CUL (see Figure 6-4). DRO was not detected in groundwater samples from monitoring well MW06 or the borings on the south side of West Ferry Street. ORO was not detected in any of the samples.

During this investigation, groundwater in the UST excavation area was observed to flow toward the northwest, which is opposite to the southeast flow direction that was consistently observed during previous investigations. Based on this flow observation, newly installed monitoring wells MW02R and MW04 may actually be located up- to cross-gradient from the UST excavation, and MW06 may be located downgradient. However, groundwater observations from this investigation suggest that there may be localized and intermittent steepened flow gradient and directional changes associated with lithologic changes across the Property. Additional monitoring may demonstrate whether the groundwater flow directions observed in April and May 2017, with the addition of new wells, is consistent or varies seasonally. And, if additional monitoring wells were installed, other localized groundwater flow variations may be observed.

Variations in groundwater flow direction may contribute to dissolved-phase contaminant spreading, and there is uncertainty regarding localized flow variations. However, contaminant concentrations trends identified with the 2017 sample results indicate that groundwater impacts in AOC 2 are localized. DRO concentrations detected in groundwater samples from borings and monitoring wells surrounding the area are either non-detect or below CULs. DRO concentrations detected above the CUL at MW02R and GP54, located adjacent to the Property boundary, suggest that DRO CUL exceedances may extend into the West Ferry Street right-of-way. However, DRO was not detected in borings GP74 or GP75, which indicates that groundwater impacts associated with AOC 2 are not migrating across West Ferry Street. DRO was non-detect or below its CUL in locations MW04, GP52, and GP16 and MW06, located to the east, northeast, and northwest, respectively, of the UST excavation area. The DRO concentration detected above the CUL at GP34, to the west-northwest of the UST excavation, suggests that DRO CUL exceedances may extend under the auto sales and service building. However, DRO was non-detect at MW06, which appears to be located immediately downgradient of GP34 based on the flow directions observed during this investigation.

Soil samples were collected from the unsaturated zone, capillary fringe, and saturated zone during installation of monitoring well MW06. These samples were collected to further delineate the extent of DRO and total naphthalenes impacts remaining in soil following the interim action soil removal. ORO was also reported with the DRO analytical results. Total naphthalenes were detected below their CUL in the unsaturated soil sample, but were not detected in the capillary fringe and saturated zone soil samples (see Figure 6-3). DRO and ORO were not detected in any of the samples.

Based on soil data collected during this and previous investigations, petroleum contaminated soil (PCS) remains to the west and northwest of the UST excavation area (see Figure 6-3). During the UST and soil removal interim action, PCS was observed in the northwest sidewall of the excavation (MFA, 2016). Further excavation toward the northwest was not feasible due to the excavation setback distance required to protect the integrity of the building foundation. Therefore, PCS in this area was left in place. The PCS appeared to coincide with the former heating oil UST product line, trending northwest and southeast (see Figure 6-3). DRO was not detected in soil samples collected from boring GP35, located less than 10 feet from the line, and DRO was below its CUL at MW06, located west of

the line. DRO and/or naphthalenes (total naphthalenes were calculated for comparison to the CUL) were detected in saturated soil samples from borings GP33 and GP34 (for reference, the concentrations were above the soil MTCA Method A CULs, but are not considered representative for comparison to soil CULs), but not detected in the capillary fringe and unsaturated soil samples from those same locations.

These findings suggest that DRO and total naphthalenes impacts, associated with the former heating oil UST, remain primarily in the saturated zone but, possibly, also in capillary fringe and/or unsaturated soil, depending on water table fluctuations, to the west and northwest of the UST excavation. DRO exceedances in soil and/or groundwater may extend beneath the building, but appear to be localized. A release from the former heating oil UST product line is a suspected source of these impacts (MFA, 2016). The location of the former heating oil furnace, to which the product line was connected, is unknown. However, it may have been located in a room that contains boilers that are now used for heating located to the west of the UST excavation area (see approximate location of boiler room on Figures 6-3 and 6-4). DRO has not been detected in groundwater samples collected as part of AOC 1 investigation activities to the north, northeast, and northwest of the boiler room (see locations GP41, GP02, MW07, GP04, and GP17 on Figure 6-2).

As discussed in Section 2, it typically takes up to a year for subsurface conditions to stabilize following the application of ORC Advanced Pellets. Bioremediation was conducted in early October 2016; therefore, DRO concentrations in groundwater in AOC 2 may decrease through October 2017. After October 2017, if DRO concentrations in groundwater have not decreased to below the CUL, additional bioremediation application may be required. If concentrations are below the CUL, at least four quarters of groundwater monitoring will be required to demonstrate compliance.

7.3 AOC 3: Former Coal Storage Sheds/Possible Buried Object

A possible buried object and what appears to be associated petroleum-related impacts in soil and groundwater were identified in AOC 3 during previous investigations. During this investigation, a GPR survey was conducted to assess the potential presence of an abandoned UST, and borings were advanced to further evaluate the nature and extent of petroleum impacts. No additional investigation was conducted to evaluate impacts associated with the former coal storage sheds; however, coal observations were recorded during drilling that may be used to refine our understanding of the extent of coal-related impacts.

The GPR survey did not positively identify the presence of an abandoned UST above approximately five feet bgs. GeoTest was not able to resolve conditions below approximately five feet bgs due to shallow groundwater table interference. However, it is unlikely that a UST would be installed deeper than five feet bgs at this Property, given that groundwater is often that shallow. The former USTs in AOC 2 were installed at a depth of approximately 2.5 feet bgs.

Soil and groundwater samples were collected from boring locations positioned upgradient (GP77), within the footprint (GP76), and downgradient of previously identified impacts associated with the possible buried object. Gradient directions were based on previous investigation results. As discussed above, the groundwater flow direction observed during this investigation varied from previous observations. Groundwater flow in the vicinity of the possible buried object during this investigation,

based on water level observations in AOCs 1 and 2, was likely toward the west to northwest. Based on those observations, GP77, and former boring location GP17, may be located downgradient of the possible buried object, and GP78 may be upgradient.

The data collected during this and previous investigations are sufficient to evaluate the extent of groundwater impacts, regardless of the flow direction. Petroleum-related impacts in groundwater, including CUL exceedances of GRO, DRO, benzene, and/or total naphthalenes, were identified only in boring locations GP51 and GP76 (see Figure 6-6). COI concentrations in groundwater from borings GP05, GP77, and GP78, located to the northeast, west, and southeast, respectively, of GP51 and GP76, were either non-detect or below CULs. These findings suggest that groundwater impacts are localized to an approximately 100 to 200 square-foot area around the possible buried object.

BETX, GRO, DRO, and ORO were detected in soil from the unsaturated zone, capillary fringe, and saturated zone in boring locations surrounding the possible buried object (see Figure 6-5). CUL exceedances of those COIs were detected in unsaturated and capillary fringe soil from boring locations GP51, GP55, and GP76. COI concentrations in soil from borings surrounding those CUL exceedances were either non-detect or below CULs. These findings suggest that soil impacts are also localized to an approximately 100 to 200 square-foot area around the possible buried object.

The existing data associated with the possible buried object are sufficient for remedy selection and design. Additional investigation could be conducted to further refine our understanding of nature and extent of impacts, and to confirm that no UST is present below approximately 5 feet bgs. That additional information could be used to increase certainty regarding remedial action activities, extent, and costs, but it is not required for remedy selection and design.

During this investigation, coal was observed in shallow soil in borings GP76, GP77, and GP78 (see boring logs in Appendix B). Coal observations are consistent with previous observations, which are discussed in the data gap investigation report (MFA, 2017). As discussed in that report, coal is sufficiently characterized for the purposes of remedy selection and design for an on-Property cleanup action.

8 DATA GAPS

The following is a discussion of data gaps remaining in each AOC.

8.1 AOC 1: Auto Repair Shop

- No data gaps remain on the Property.
- Data gaps remain on the BNSF property, as discussed in the 2017 data gap investigation report (MFA, 2017), that were not addressed during this investigation due to access restrictions.

8.2 AOC 2: Former USTs

- DRO CUL exceedances in groundwater, and possible DRO and/or total naphthalenes CUL exceedances in soil depending on water table fluctuations, may be present but have not been confirmed beneath the auto sales and service building to the west of the UST excavation area and south into the West Ferry Street right-of-way.

- The potential presence of DRO CUL exceedances in groundwater associated with a possible former heating oil furnace location in the boiler room has not been evaluated.

- Uncertainty exists with respect to possible additional localized groundwater flow variations associated with lithologic heterogeneities and seasonal variations.

- DRO concentrations in groundwater need to be evaluated after the in situ groundwater treatment effectiveness expires in October 2017.

8.3 AOC 3: Former Coal Storage Sheds/Possible Buried Object

- No data gaps remain on the Property.

9 CONCLUSIONS AND RECOMMENDATIONS

The following sections summarize conclusions and recommend next steps for each of the AOCs.

9.1 AOC 1: Auto Repair Shop

The nature and extent of impacts on the Property in AOC 1 is sufficiently characterized for the purposes of remedy selection and design. Data gaps remain on the BNSF property, as discussed in the 2017 data gap investigation report (MFA, 2017), that were not addressed during this investigation. However, infrastructure and access constraints exist on the BNSF property that limit our ability to collect additional characterization data and that may limit the extent of cleanup activities. Therefore, with the extensive characterization data collected on the Property and the limited but focused characterization data collected on the BNSF property, sufficient data exist for remedy selection and design in AOC 1.

Cleanup options for addressing impacts in AOC 1 were evaluated as part of a preliminary feasibility study (FS) (MFA, 2015b). Those cleanup options should be reconsidered and refined using data collected since the RI/FS. However, subsurface lithologic and chemical data from this and previous investigations should be compiled for inclusion in geologic cross sections to further inform remedy selection and design.

In an April 20, 2016 opinion letter (Ecology, 2016), based on its review of the preliminary RI/FS (MFA, 2015b), Ecology indicated that both active treatment (e.g., in situ bioremediation and/or excavation) and treatment on the BNSF property would be required to obtain a Property-specific NFA opinion. Ecology indicates that a passive cleanup approach, such as monitored natural attenuation, would likely result in too long of a restoration time frame and not be effective for all contaminants of concern to be a viable cleanup option for this Site. Ecology also indicates that a cleanup alternative that extends north of the Property boundary would be necessary to obtain a Property-specific NFA opinion.

Based on Ecology's written opinion, and given that data collected since the RI/FS have only refined but not changed our understanding of conditions in AOC 1, MFA does not recommend requesting another opinion from Ecology at this time. Ecology's response times under the VCP can be up to a calendar year. Therefore, delaying progress toward cleanup for another written opinion from Ecology is not recommended at this time. MFA recommends preparing a revised FS, using data collected since the RI/FS and including a disproportionate cost analysis, which considers active treatment on both the Property and the BNSF property. Following that, MFA recommends independent (i.e., without a formal, written Ecology opinion) selection of a preferred cleanup action and then pursuing access to the BNSF property to implement it. However, it would be prudent to obtain informal, verbal feedback from Ecology before pursuing access for cleanup with BNSF. If BNSF does not allow access to its property for cleanup activities, then it may be beneficial to re-engage with Ecology on alternative cleanup actions that address impacts on only the Property.

COI impacts are present beneath the building in AOC 1. It may not be feasible to excavate soil beneath or immediately adjacent to the building. It may be possible to treat impacts beneath the building via in situ injections (e.g., bioremediation), but it is likely impacts will remain underneath the building after cleanup has been completed. Therefore, the final remedy for this AOC may include a soil cap (e.g., existing pavement and building foundation), environmental covenant, and soil management plan. Additional groundwater monitoring wells and a compliance monitoring program may also be required.

9.2 AOC 2: Former USTs

Impacts associated with the former heating oil UST—potentially including DRO and total naphthalenes in soil but primarily dissolved-phase DRO impacts in groundwater—remain to the west and northwest of the UST excavation area and at the south Property boundary along West Ferry Street. DRO-impacted groundwater likely extends south into the West Ferry Street right-of-way and to the west-northwest beneath the auto sales and service building. The source area for groundwater impacts may extend along a former heating oil product line and beneath a possible former heating oil furnace location in the existing boiler room. Additional characterization of impacts beneath the building may help to refine potential source areas for additional in situ treatment, if needed, but sampling conducted in the vicinity suggests that impacts are localized.

Uncertainty exists regarding localized and seasonal groundwater flow variations, which may contribute to contaminant spreading. As discussed above, sampling results indicate that impacts are localized; however, monitoring of groundwater flow directions should continue to determine if the existing well network is sufficient to capture potential contaminant migration.

Groundwater monitoring is required after the in situ treatment effectiveness expires in October 2017 to evaluate whether DRO CUL exceedances remain. Additional remedial action may be required if CUL exceedances persist and would likely consist of in situ groundwater treatment via injections beneath the building, targeting possible source areas.

It is not feasible to excavate soil beneath or immediately adjacent to the building. Therefore, the final remedy for this AOC may need to include a soil cap (e.g., existing pavement and building foundation), environmental covenant, and soil management plan. Another option may be to target remaining soil impacts with in situ treatment, if conducted to address groundwater impacts, but confirmation sampling would need to be conducted after treatment to confirm CUL compliance.

MFA recommends evaluating potential cleanup options, as needed, after additional groundwater monitoring is conducted.

9.3 AOC 3: Former Coal Storage Sheds/Possible Buried Object

Petroleum-related impacts associated with a possible buried object are present in AOC 3. Sufficient data have been collected for remedy selection and design. Whereas additional sampling could be conducted to increase certainty during remedial action activities (e.g., confirm the presence/absence of an abandoned UST below approximately 5 feet bgs) and refine anticipated cleanup costs, it is not required. MFA recommends evaluating cleanup options, which should include soil excavation and offsite disposal, in situ groundwater treatment, and groundwater monitoring; and selecting a preferred remedy. Given that petroleum cleanups, such as what would be required in this AOC, are often routine, MFA does not recommend requesting a formal written opinion from Ecology through the VCP before implementing cleanup. However, MFA does recommend informing Ecology of any cleanup plans and requesting informal feedback.

Coal-related impacts associated with the former coal storage sheds in AOC 3 are sufficiently characterized for the purposes of remedy selection and design for an on-Property cleanup action. Excavation and offsite disposal and capping cleanup options were evaluated as part of the preliminary RI/FS (MFA, 2015b). MFA recommends re-evaluating cleanup options using additional data collected since the RI/FS, conducting a disproportionate cost analysis, and selecting a preferred remedy. Cleanup of coal-related impacts is not considered routine; therefore, if the project timeframe allows, MFA recommends requesting a formal opinion from Ecology on the selected remedy before implementation.

9.4 AOC 4: Former Auto Services

MFA recommends compiling information collected during previous investigations into a summary report for Ecology review and submitting for an NFA opinion under the VCP.

LIMITATIONS

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

REFERENCES

Ecology. 2016. Letter (re: opinion pursuant to WAC 173-340-515(5) on proposed remedial action for the following hazardous waste site: North Cascade Ford, 116 Ferry Street, Sedro-Woolley, WA 98294) to K. Peterson, VSF Properties, from D. Escobedo, Washington State Department of Ecology. April 20.

MFA. 2015a. Data gap investigation work plan, North Cascade Ford property, Sedro-Woolley, Washington. Maul Foster & Alongi, Inc., Bellingham, Washington. December 9.

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MFA. 2017. Letter (re: 2016 data gap investigation results, North Cascade Ford property, Sedro-Woolley, Washington) to L. Setchell, Helsell Fetterman LLP, from H. Good and J. Clary, Maul Foster & Alongi, Inc., Bellingham, Washington. January 24.

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TABLES



Table 3-1
Sampling and Analysis Summary
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

AOC	Location Type	Total Depth (ft bgs)	Location ID	Sample ID	Sample Matrix	Sample Date	Soil Sample Interval	Sample Collection Depth (ft bgs)[a]	Analytical Suite						
									HCID	GRO	DRO/ORO	Naphth.	cPAHs	BTEX	Low-level VOCs
AOC 1: Auto Repair Shop	Monitoring Well	16	MW08	MW08-GW-042617	GW	4/26/2017	NA	7.83-15.80	--	X	X	--	--	--	--
		20	MW07	MW07-S-1.2	Soil	4/25/2017	unsaturated zone	1.0 - 1.5	X	--	--	--	--	--	--
				MW07-S-5.5		4/25/2017	unsaturated zone	5.2 - 5.8	X	--	--	--	--	--	--
				MW07-S-6.5		4/25/2017	saturated zone	6.2 - 6.8	X	--	--	--	--	--	--
				MW07-GW-042617	GW	4/26/2017	NA	7.85-19.74	--	X	X	--	--	--	--
		11	MW05	MW05-S-0.8	Soil	4/24/2017	unsaturated zone	0.6 - 0.9	X	X	X	--	--	X	--
				MW05-S-2.3		4/24/2017	unsaturated zone	2.0 - 2.3	X	--	--	--	--	--	--
				MW05-S-5.5		4/24/2017	saturated zone	5.2 - 5.8	X	--	--	--	--	--	--
				MW05-GW-042617	GW	4/26/2017	NA	5.76-10.60	--	X	X	--	--	--	--
	Existing Monitoring Well	13.5	MW01	MW01-GW-042617 MWDUP-GW-042617	GW	4/26/2017	NA	5.35-13.40	--	X	X	--	--	--	--
AOC 2: Former USTs	Monitoring Well	20	MW06	MW06-S-1.2	Soil	4/24/2017	unsaturated zone	1.0 - 1.4	--	--	X	X	--	--	--
				MW06-S-5.2		4/24/2017	capillary fringe	5.0 - 5.3	--	--	X	X	--	--	--
				MW06-S-5.8		4/24/2017	saturated zone	5.5 - 6.0	--	--	X	X	--	--	--
				MW06-GW-042617	GW	4/26/2017	NA	7.66-19.74	--	--	X	--	--	--	--
		15	MW02R	MW02R-GW-042617	GW	4/26/2017	NA	6.60-14.80	--	--	X	--	--	--	--
		14	MW04	MW04-GW-042617	GW	4/26/2017	NA	6.39-13.60	--	--	X	--	--	--	--
	Boring	15	GP74	GP74-W-9.0	GW	4/25/2017	NA	6.51-15.0	--	--	X	--	--	--	--
		13	GP75	GP75-W-10.0	GW	4/25/2017	NA	7.0-13.0	--	--	X	--	--	--	--
AOC 3: Buried Object	Boring	15	GP76	GP76-S-1.8	Soil	4/25/2017	unsaturated zone	1.6 - 2.0	X	--	--	X	--	X	X
				GP76-S-2.8		4/25/2017	unsaturated zone	2.6 - 3.0	X	--	X	X	--	X	X
				GP76-S-7.0		4/25/2017	saturated zone	6.8 - 7.2	X	X	X	X	--	X	X
				GP76-W-10.0	GW	4/25/2017	NA	6.0-15.0	X	X	X	X	--	X	X
		15	GP77	GP77-S-1.2	Soil	4/25/2017	unsaturated zone	1.0 - 1.4	X	--	--	--	--	X	--
				GP77-S-3.0		4/25/2017	unsaturated zone	2.8 - 3.2	X	--	--	--	--	X	--
				GP77-S-6.5		4/25/2017	saturated zone	6.3 - 6.8	X	--	--	X	--	X	--
				GP77-W-10.0	GW	4/25/2017	NA	6.30-15.0	X	--	--	X	--	X	--
		15	GP78	GP78-S-1.0	Soil	4/25/2017	unsaturated zone	0.8 - 1.2	X	--	X	X	--	X	--
				GP78-S-2.5		4/25/2017	unsaturated zone	2.5 - 2.8	X	--	--	--	--	X	--
				GP78-S-7.0		4/25/2017	saturated zone	6.8 - 7.2	X	--	X	X	--	X	--
				GP78-W-10.0	GW	4/25/2017	NA	6.70-14.0	X	--	--	X	--	X	X

Table 3-1
Sampling and Analysis Summary
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Monitoring wells were constructed using 5- to 15-foot-long well screens, depending on observed soil conditions, set one to two feet above the top of the seasonal high water table.

One field duplicate groundwater sample was collected from MW01 during monitoring well sampling.

-- = not analyzed.

AOC = area of concern.

BTEX = benzene, toluene, ethylbenzene, and xylenes analyses by USEPA Method 8021B or 8260C.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons analyses by USEPA Method 8270 selective ion monitoring.

DRO/ORO = diesel- and heavy-oil-range organics analyses by the Northwest Total Petroleum Hydrocarbons Dx method.

ft bgs = feet below ground surface.

GW = groundwater.

GRO = gasoline-range organics analysis by the Northwest Total Petroleum Hydrocarbons Gx method.

HCID = hydrocarbon identification by the Northwest Total Petroleum Hydrocarbons HCID method.

ID = identification.

Low-level VOCs = low-level volatile organic compounds (n-hexane, methyl tert-butyl ether, 1,2-dibromoethane, and 1,2-dichloroethane) analyses by USEPA Method 8260C.

NA = not applicable.

Naphth. = naphthalenes (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) analyses by USEPA Method 8270 selective ion monitoring.

USEPA = U.S. Environmental Protection Agency.

UST = underground storage tank.

X = analyzed.

[a]Sample collection depths for groundwater are from the top of the water table or the top of the screened interval, whichever is deeper, to the bottom of the screened interval.

Table 5-1
Water Level Measurements
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

Location	MP Elevation (feet, NAVD 88)	Measurement Date	NAPL Thickness (feet)	Depth to Water (feet)	NAPL-Corrected Depth to Water (feet)[a]	Groundwater Elevation (feet, NAVD 88)	Difference in Max/Min Groundwater Elevations (feet)
MW01	56.17	05/15/2012	--	5.61	NA	50.56	4.52
		10/09/2012	--	9.87	NA	46.30	
		12/03/2012	--	6.96	NA	49.21	
		04/10/2014	NM[b]	NM[b]	NA	NM[b]	
		06/17/2014	[c]	6.01	NA	50.16	
		06/18/2014	--	6.09	NA	50.08	
		09/10/2014	[c]	7.74	NA	48.43	
		12/10/2014	0.01[d]	6.09	6.08	50.09	
		04/26/2017	--	5.35	NA	50.82	
		05/31/2017	--	5.96	NA	50.21	
MW02 (decommissioned in September 2016)	56.73	05/15/2012	--	6.65	NA	50.08	3.17
		10/09/2012	--	9.29	NA	47.44	
		12/03/2012	--	8.45	NA	48.28	
		04/10/2014	--	6.12	NA	50.61	
		06/17/2014	--	6.96	NA	49.77	
		06/18/2014	--	6.98	NA	49.75	
		09/10/2014	--	8.37	NA	48.36	
		12/10/2014	--	7.11	NA	49.62	
MW02R (replacement well for MW02)	56.68	04/26/2017	--	6.60	NA	50.08	
		05/31/2017	--	7.07	NA	49.61	
MW03	56.27	05/15/2012	--	5.40	NA	50.87	3.11
		10/09/2012	--	8.11	NA	48.16	
		12/03/2012	--	5.28	NA	50.99	
		04/10/2014	--	5.00	NA	51.27	
		06/17/2014	--	5.66	NA	50.61	
		06/18/2014	--	5.87	NA	50.40	
		09/10/2014	--	6.94	NA	49.33	
		12/10/2014	--	5.10	NA	51.17	
		05/31/2017	--	5.75	NA	50.52	
MW04	56.40	04/26/2017	--	6.39	NA	50.01	0.49
		05/31/2017	--	6.88	NA	49.52	
MW05	56.33	04/26/2017	--	5.76	NA	50.57	0.59
		05/31/2017	--	6.35	NA	49.98	
MW06	56.67	04/26/2017	--	7.66	NA	49.01	0.40
		05/31/2017	--	8.06	NA	48.61	
MW07	56.54	04/26/2017	--	7.85	NA	48.69	0.17
		05/31/2017	--	8.02	NA	48.52	
MW08	56.57	04/26/2017	--	7.38	NA	49.19	0.63
		05/31/2017	--	8.01	NA	48.56	

NOTES:

-- = NAPL not observed.

Max = maximum.

Min = minimum.

MP = measuring point.

NA = not applicable.

NAPL = non-aqueous-phase liquid.

NAVD 88 = North American Vertical Datum of 1988.

NM = not measured.

[a]Water level corrected for presence of NAPL using an assumed product density of 0.8 gram per cubic centimeter.

[b]NAPL was observed, but an interface probe was not available to measure a NAPL thickness and water level.

[c]NAPL was observed on probe and tubing, but a measurable and extractable quantity was not present.

[d]NAPL thickness was measured, but an extractable quantity was not present.

Table 5-2
2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

			Location	MW05	MW05	MW05[a]	MW07	MW07	MW07[a]
			Sample Name	MW05-S-0.8	MW05-S-2.3	MW05-S-5.5	MW07-S-1.2	MW07-S-5.5	MW07-S-6.5
			Sample Date	4/24/2017	4/24/2017	4/24/2017	4/25/2017	4/25/2017	4/25/2017
			Sample Depth Interval (ft bgs)	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8	1.0 - 1.5	5.2 - 5.8	6.2 - 6.8
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source						
Volatile Organic Compounds (mg/kg)									
Benzene	0.0274	0.03	Method A	0.02 U	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	0.059 U	--	--	--	--	--
m,p-Xylene	NV	NV	NV	0.059 U	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	0.059 U	--	--	--	--	--
Toluene	4.52	7	Method A	0.059 U	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)									
Gasoline-Range Organics	NV	NV	NV	**DETECT**	ND	ND	ND	ND	ND
Diesel-Range Organics	NV	NV	NV	**DETECT**	ND	ND	ND	ND	ND
Heavy-Oil-Range Organics	NV	NV	NV	**DETECT**	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons (mg/kg)									
Gasoline-Range Organics	NV	30	Method A	5.9 U	--	--	--	--	--
Diesel-Range Organics	NV	2000	Method A	**140**	--	--	--	--	--
Heavy-Oil-Range Organics	NV	2000	Method A	**530**	--	--	--	--	--
Calculated Totals (mg/kg)									
Total Xylenes	14.4	9	Method A	ND	--	--	--	--	--

Table 5-2
2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detected concentrations are compared to MTCA Method A, Unrestricted Land Use CULs, or MTCA Method B CULs if no MTCA Method A value is available. Results are also compared to soil concentrations protective of groundwater at 13 degrees Celsius. None of the values exceed a MTCA A/B CUL or a soil concentrations protective of groundwater.

Detections in **bold**.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

CUL = cleanup level.

ft bgs = feet below ground surface.

GW = groundwater.

mg/kg = milligrams per kilogram (parts per million).

Method A = MTCA Method A CUL for unrestricted land use.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

MTCA = Model Toxics Control Act.

ND = not detected.

NV = no value.

U = analyte not detected at or above the method reporting limit.

[a]Saturated soil sample. Results are compared to CULs only for reference purposes and will not be included in the characterization of extent of contamination requiring remediation. Groundwater results will be used to characterize the extent of contamination below the water table. Saturated soil results will inform future remedial design, if in situ groundwater treatment cleanup options are considered.

Table 5-3
2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	MW06	MW06	MW06[a]
				Sample Name	MW06-S-1.2	MW06-S-5.2	MW06-S-5.8
				Sample Date	4/24/2017	4/24/2017	4/24/2017
				Sample Depth Interval (ft bgs)	1.0 - 1.4	5.0 - 5.3	5.5 - 6.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source				
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)							
1-Methylnaphthalene	NV	35	Method B CAR		**0.06**	0.0088 U	0.0091 U
2-Methylnaphthalene	NV	320	Method B NCAR		**0.022**	0.0088 U	0.0091 U
Naphthalene	4.45	5	Method A		**0.02**	0.0088 U	0.0091 U
Total Petroleum Hydrocarbons (mg/kg)							
Diesel-Range Organics	NV	2000	Method A		32 U	33 U	34 U
Heavy-Oil-Range Organics	NV	2000	Method A		64 U	66 U	69 U
Calculated Totals (mg/kg)							
Total Naphthalenes by 8270 SIM	4.46	5	Method A		**0.102**	ND	ND

Table 5-3
2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detected concentrations are compared to MTCA Method A, Unrestricted Land Use CULs, or MTCA Method B CULs if no MTCA Method A value is available. Results are also compared to soil concentrations protective of groundwater at 13 degrees Celsius. None of the values exceed a MTCA A/B CUL or a soil concentration protective of groundwater.

Detections in **bold**.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

CUL = cleanup level.

ft bgs = feet below ground surface.

GW = groundwater.

mg/kg = milligrams per kilogram (parts per million).

Method A = MTCA Method A, Unrestricted Land Use Table Value, CUL.

Method B CAR = MTCA Method B, Standard Formula Value, CUL for carcinogenic compounds.

Method B NCAR = MTCA Method B, Standard Formula Value, CUL for noncarcinogenic compounds.

MTCA = Model Toxics Control Act.

ND = not detected.

NV = no value.

U = analyte not detected at or above method reporting limit.

[a]Saturated soil sample. Results are compared to CULs only for reference purposes and will not be included in the characterization of extent of contamination requiring remediation. Groundwater results will be used to characterize the extent of contamination below the water table. Saturated soil results will inform future remedial design, if in situ groundwater treatment cleanup options are considered.

Table 5-4
2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP76	GP76	GP76[a]	GP77	GP77	GP77[a]	GP78	GP78	GP78[a]
				Sample Name	GP76-S-1.8	GP76-S-2.8	GP76-S-7.0	GP77-S-1.2	GP77-S-3.0	GP77-S-6.5	GP78-S-1.0	GP78-S-2.5	GP78-S-7.0
				Sample Date	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	1.6 - 2.0	2.6 - 3.0	6.8 - 7.2	1.0 - 1.4	2.8 - 3.2	6.3 - 6.8	0.8 - 1.2	2.5 - 2.8	6.8 - 7.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source										
Volatile Organic Compounds (mg/kg)													
1,2-Dibromoethane	NV	0.005	Method A		0.0014 U	0.0013 U	0.001 U	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR		0.0014 U	0.0013 U	0.001 U	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A		**0.081**	**0.007**	**0.0022**	0.0012 U	0.0012 U	0.0013 U	0.00092 U	0.00084 U	0.00098 U
Ethylbenzene	6.05	6	Method A		**0.46**	**0.12**	**0.15**	0.067 U	0.0012 U	0.0013 U	0.00092 U	0.00084 U	0.00098 U
m,p-Xylene	NV	NV	NV		**1.2**	**0.086**	**0.0075**	0.13 U	0.0023 U	0.0026 U	0.0018 U	0.0017 U	**0.0024**
Methyl tert-butyl ether	0.103	0.1	Method A		0.0014 U	0.0013 U	0.001 U	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR		**0.82**	**0.094**	**7.1**	--	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR		**0.053**	**0.0052**	0.001 U	0.067 U	0.0012 U	0.0013 U	0.00092 U	0.00084 U	**0.0037**
Toluene	4.52	7	Method A		**0.026**	0.0067 U	0.0051 U	0.0059 U	0.0058 U	0.0064 U	0.0046 U	0.0042 U	0.0049 U
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	Method B CAR		**0.72**	**0.78**	**1.9**	--	--	0.0089 U	**0.32**	--	**0.013**
2-Methylnaphthalene	NV	320	Method B NCAR		**1.1**	**1.1**	**3.2**	--	--	0.0089 U	**0.37**	--	**0.017**
Naphthalene	4.45	5	Method A		**0.7**	**0.19**	**1.5**	--	--	0.0089 U	**0.3**	--	**0.11**
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range Organics	NV	NV	NV		ND	ND	**DETECT**	ND	ND	ND	ND	ND	ND
Diesel-Range Organics	NV	NV	NV		ND	**DETECT**	**DETECT**	ND	ND	ND	ND	ND	**DETECT**
Heavy-Oil-Range Organics	NV	NV	NV		ND	ND	ND	ND	ND	ND	**DETECT**	ND	ND
Total Petroleum Hydrocarbons (mg/kg)													
Gasoline-Range Organics	NV	30	Method A		--	--	**420 J**	--	--	--	--	--	--
Diesel-Range Organics	NV	2000	Method A		--	**130**	**510**	--	--	--	**120 J**	--	**1400**
Heavy-Oil-Range Organics	NV	2000	Method A		--	67 U	65 U	--	--	--	**320**	--	140 U
Calculated Totals (mg/kg)													
Total Naphthalenes by 8270 SIM	4.46	5	Method A		**2.52**	**2.07**	**6.6**	--	--	ND	**0.99**	--	**0.14**

Table 5-4
2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detected concentrations are compared to MTCA Method A, Unrestricted Land Use CULs, or MTCA Method B CULs if no MTCA Method A value is available. Results are also compared to soil concentrations protective of groundwater at 13 degrees Celsius.

Detections in **bold**.

Exceedances of both MTCA Method A/B CULs and soil concentrations protective of groundwater are shaded purple.

Exceedances of only the MTCA Method A/B CULs are shaded green.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

CUL = cleanup level.

ft bgs = feet below ground surface.

GW = groundwater.

J = result is an estimated value.

mg/kg = milligrams per kilogram (parts per million).

Method A = MTCA Method A CUL for unrestricted land use.

Method B CAR = MTCA Method B standard formula value CUL for carcinogenic compounds.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

MTCA = Model Toxics Control Act.

ND = not detected.

NV = no value.

U = analyte not detected at or above method reporting limit.

[a]Saturated soil sample. Results are compared to CULs only for reference purposes and will not be included in the characterization of extent of contamination requiring remediation. Groundwater results will be used to characterize the extent of contamination below the water table. Saturated soil results will inform future remedial design, if in situ groundwater treatment cleanup options are considered.

Table 5-5
2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

Location		MW01	MW01	MW05	MW07	MW08
Sample Name		MW01-GW-042617	MWDUP-GW-042617	MW05-GW-042617	MW07-GW-042617	MW08-GW-042617
Collection Date		4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
Sample Collection Depth (ft bgs)[a]		5.35-13.40	5.35-13.40	5.76-10.60	7.85-19.74	7.83-15.80
	MTCA Method A CUL (ug/L)					
Total Petroleum Hydrocarbons (ug/L)						
Gasoline-Range Organics	800	100 U	100 U	**490**	100 U	400 U
Diesel-Range Organics	500	**620**	**560**	**1300**	260 U	**1000**
Heavy-Oil-Range Organics	500	**510 J**	410 U	**1100**	410 U	**690**

Table 5-5
2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

NOTES:

Detected concentrations are compared to MTCA Method A CULs for groundwater.

Detections in **bold.**

CUL exceedances highlighted.

CUL = cleanup level.

ft bgs = feet below ground surface.

J = result is an estimated value.

MTCA = Model Toxics and Control Act.

U = analyte not detected at or above the method reporting limit.

ug/L = micrograms per liter (parts per billion).

[a]Sample collection depths are from the top of the water table or the top of the screened interval, whichever is deeper, to the bottom of the screened interval.

Table 5-6
2017 Groundwater Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

Location		GP74	GP75	MW02R	MW04	MW06
Sample Name		GP74-W-9.0	GP75-W-10.0	MW02R-GW-042617	MW04-GW-042617	MW06-GW-042617
Collection Date		4/25/2017	4/25/2017	4/26/2017	4/26/2017	4/26/2017
Sample Collection Depth (ft bgs)[a]		6.51-15.0	7.0-13.0	6.60-14.80	6.39-13.60	7.66-19.74
	MTCA Method A CUL (ug/L)					
Total Petroleum Hydrocarbons (ug/L)						
Diesel-Range Organics	500	260 U	260 U	**750**	**260**	260 U
Heavy-Oil-Range Organics	500	420 U	420 U	410 U	420 U	410 U

Table 5-6
2017 Groundwater Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

NOTES:

Detected concentrations are compared to MTCA Method A CULs for groundwater.

Detections in **bold.**

CUL exceedances highlighted.

CUL = cleanup level.

ft bgs = feet below ground surface.

MTCA = Model Toxics and Control Act.

U = analyte not detected at or above the method reporting limit.

ug/L = micrograms per liter (parts per billion).

[a]Sample collection depths are from the top of the water table or the top of the screened interval, whichever is deeper, to the bottom of the screened interval.

Table 5-7
2017 Groundwater Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

	Location		GP76	GP77	GP78
	Sample Name		GP76-W-10.0	GP77-W-10.0	GP78-W-10.0
	Collection Date		4/25/2017	4/25/2017	4/25/2017
	Sample Collection Depth (ft bgs)[a]		6.0-15.0	6.30-15.0	6.70-14.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source			
Volatile Organic Compounds (ug/L)					
1,2-Dibromoethane	0.01	Method A	0.0096 U	--	0.0095 U
1,2-Dichloroethane	5	Method A	2 U	--	0.2 U
Benzene	5	Method A	**5.8**	0.2 U	0.2 U
Ethylbenzene	700	Method A	**230**	0.2 U	0.2 U
m,p-Xylene	1000	Method A	**7.4**	0.4 U	0.4 U
Methyl tert-butyl ether	20	Method A	2 U	--	0.2 U
n-Hexane	480	Method B NCAR	**76**	--	1 U
o-Xylene	1600	Method B NCAR	2 U	0.2 U	0.2 U
Toluene	1000	Method A	10 U	1 U	1 U
Semi-volatile Organic Compounds by 8270 SIM (ug/L)					
1-Methylnaphthalene	160	Method A	**98**	0.094 U	0.098 U
2-Methylnaphthalene	160	Method A	**150**	0.094 U	0.098 U
Naphthalene	160	Method A	**180**	0.094 U	0.098 U
Hydrocarbon Identification (Presence/Absence)					
Gasoline-Range Organics	NA	NA	**DETECT**	ND	ND
Diesel-Range Organics	NA	NA	**DETECT**	ND	ND
Heavy-Oil-Range Organics	NA	NA	ND	ND	ND
Total Petroleum Hydrocarbons (ug/L)					
Gasoline-Range Organics	800	Method A	**6900**	--	--
Diesel-Range Organics	500	Method A	**2800 J**	--	--
Heavy-Oil-Range Organics	500	Method A	420 U	--	--
Calculated Totals					
Total naphthalenes by 8270 SIM	160	Method A	**428**	ND	ND
Total Xylenes	1000	Method A	**8.4**	ND	ND

Table 5-7
2017 Groundwater Analytical Results—Areas of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

NOTES:

Detected concentrations are compared to MTCA Method A CULs for groundwater or MTCA Method B CULs if no MTCA Method A value is available.

Detections in **bold.**

CUL exceedances highlighted.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

CUL = cleanup level.

ft bgs = feet below ground surface.

J = result is an estimated value.

Method A = MTCA Method A CUL for groundwater.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

MTCA = Model Toxics and Control Act.

NA = not applicable.

ND = not detected.

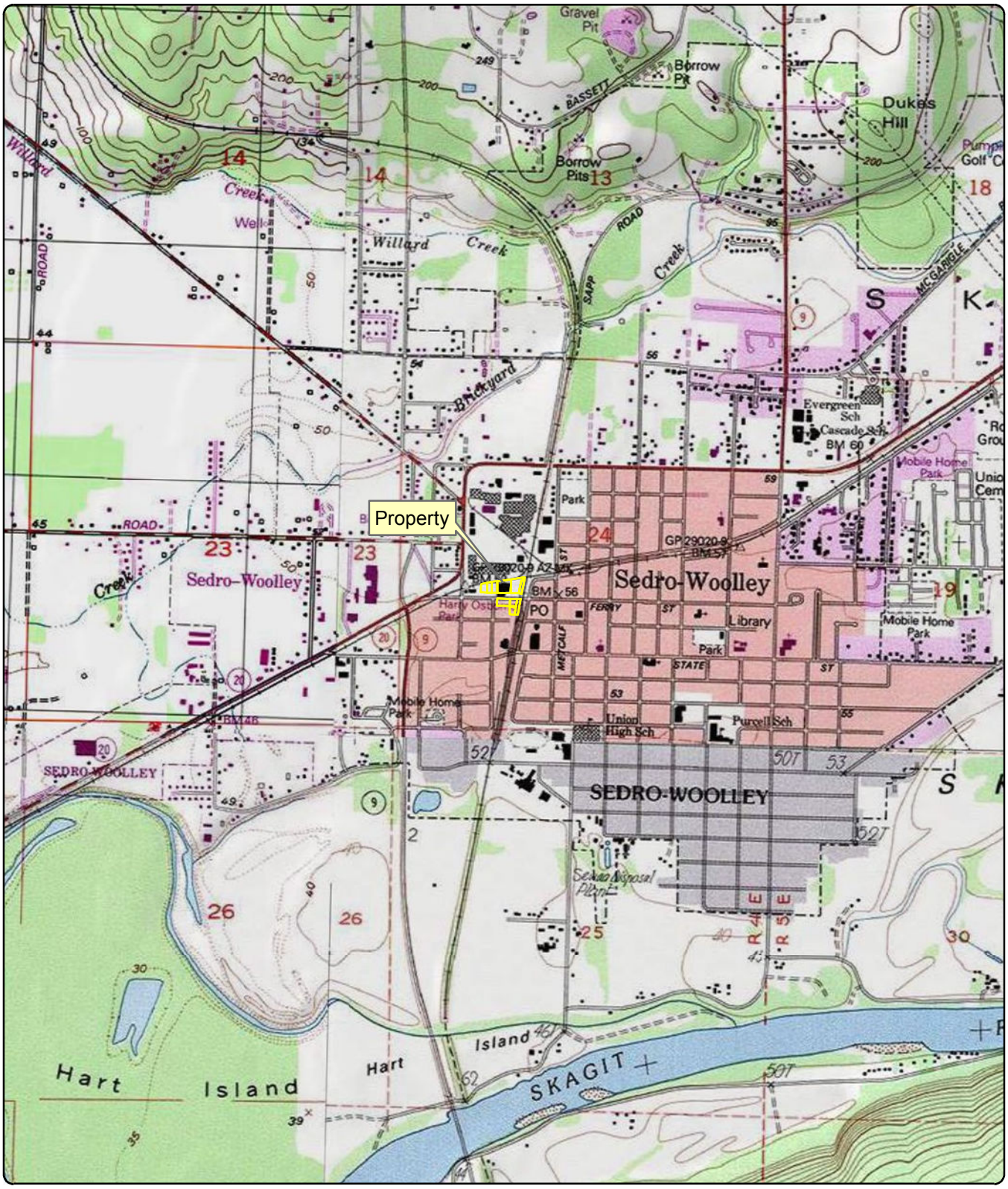
U = analyte not detected at or above the method reporting limit.

ug/L = micrograms per liter (parts per billion).

[a]Sample collection depths are from the top of the water table or the top of the screened interval, whichever is deeper, to the bottom of the screened interval.

FIGURES





Property Address: 116 W Ferry Street, Sedro-Woolley, Washington
Source: US Geological Survey (1990) 7.5-minute
topographic quadrangle: Sedro-Woolley North
Section 24, Township 35 North, Range 4 East

Legend

Property Parcel

Figure 1-1
Property Location

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington

0 1,000 2,000
Feet

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Path: X:\0747.01\Projects\06\Data Gaps Report\Fig1-1_Property Location.mxd
Print Date: 7/28/2017
Approved By: H. Good
Produced By: jschane
Project: 0747.01.06

Figure 2-1
Site Features and Sample Locations

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington



Legend

- Excavation Extent
- Property Parcel
- BNSF-owned Parcel
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Monitoring Well Location (Decommissioned)
- Phase II ESA Boring Location
- Phase II ESA Boring Location (no longer representative)
- MFA Boring, Groundwater
- MFA Boring, Soil
- MFA Boring, Soil and Groundwater

Notes:
1. AOC = area of concern.
2. AOC boundaries represent the extent of investigation locations included in the assessment of environmental impacts associated with potential releases within each AOC and are not necessarily representative of the extent of contamination associated with each AOC.
3. AOC 4 was formerly referred to as the "Former Gasoline Station."
4. AST = aboveground storage tank.
5. BNSF = Burlington Northern Santa Fe Railway.
6. ESA = environmental site assessment.
7. MFA = Maul Foster & Alongi, Inc.
8. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, there is an overlap between the Property and BNSF parcels.
9. UST = underground storage tank.

0 40 80
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Print Date: 7/28/2017
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Project: 0747.01.07

Path: X:\0747.01\Projects\06\Data Gaps Report\Fig5-1_Groundwater_Elevation_Contours_April 2017.mxd



Figure 5-1
Groundwater Elevation Contours - April 2017

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington

Legend

- Monitoring Well Location
- Property Parcel
- BNSF-owned Parcel
- Groundwater Elevation Contour (feet NAVD 88; 0.2-foot interval)
- Groundwater Flow Direction

Notes:
1. BNSF = Burlington Northern Santa Fe Railway.
2. ft = feet.
3. NAVD = North American Vertical Datum of 1988.
4. Water levels measured on April 26, 2017.
5. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, there is an overlap between the Property and BNSF parcels.

0 25 50
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Figure 5-2
Groundwater Elevation Contours - May 2017

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington



Legend

- Monitoring Well Location
- Property Parcel
- BNSF-owned Parcel
- Groundwater Elevation Contour (feet NAVD 88; 0.2-foot interval)
- Groundwater Flow Direction

Notes:
1. BNSF = Burlington Northern Santa Fe Railway.
2. ft = feet.
3. NAVD = North American Vertical Datum of 1988.
4. Water levels measured on May 31, 2017.
5. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, there is an overlap between the Property and BNSF parcels.

0 25 50
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Figure 6-1
Area of Concern 1
Total Petroleum Hydrocarbons in Soil

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington

Cleanup Levels[2]	
Analyte	MTCA Method A, Unrestricted Land Use (mg/kg)
GRO	30[3]
DRO	2,000
ORO	2,000

Loc ID.	GP44		
Date	11/16/2016		
Depth	3.2 - 3.8	6.0 - 6.5	10.2 - 10.6[4]
GRO	**1,300 J**	40 U	**100 J**
DRO	**8,100**	**2,600**	**300**
ORO	**31,000**	**1,700**	**230**

Loc ID.	GP50		
Date	11/16/2016		
Depth	1.0 - 1.75	6.3 - 7.3	13.0 - 14.0[4]
GRO	6.7 U	8.5 U	7.7 U
DRO	31 U	33 U	32 U
ORO	**92**	67 U	65 U

Loc ID.	GP39		
Date	11/15/2016		
Depth	3.0 -3.6	5.5 - 6.5	7.5 - 8.5[4]
GRO	ND	ND	ND
DRO	ND	ND	ND
ORO	ND	ND	ND

Loc ID.	GP01	
Date	5/6/2012	
Depth	1.0 - 3.4	
GRO	**1,400**	
DRO	**4,000**	
ORO	**10,000**	

Loc ID.	B-1	
Date	11/15/2011	
Depth	5.0	
GRO	**810**	
DRO	**16,000**	
ORO	**32,000**	

Loc ID.	GP43		
Date	11/15/2016		
Depth	1.25 - 1.75	6.5 - 7.1	13.0 - 14.0[4]
GRO	ND	**700 J**	ND
DRO	**80**	**4,200**	ND
ORO	**450**	**5,700**	ND

Loc ID.	B-2	
Date	11/15/2011	
Depth	14.0[4]	
GRO	**750**	
DRO	**2,400**	
ORO	**1,900**	

Loc ID.	GP10	
Date	12/3/2012	
Depth	1.3 -2.8	
GRO	9.3 U	
DRO	**58**	
ORO	**160**	

Loc ID.	GP38		
Date	11/15/2016		
Depth	4.0- 5.0	5.0 - 6.0	7.0 - 8.0
GRO	ND	8.2 UJ	9 UJ
DRO	ND	33 U	35 U
ORO	ND	67 U	69 U

Loc ID.	GP37		
Date	11/14/2016		
Depth	5.8 - 6.2	8.3 - 8.7	10.8 - 11.2[4]
GRO	**3,000 J**	ND	ND
DRO	**7,700 J**	36 U	ND
ORO	**8,500**	**140**	ND

Loc ID.	MW01		
Date	5/7/2012		
Depth	1.2 - 5.0		
GRO	8.9 U		
DRO	**58**		
ORO	**160**		

Loc ID.	GP40		
Date	11/15/2016		
Depth	3.0 - 4.0	5.5 - 6.5	10.0 - 11.0[4]
GRO	8.1 UJ	8.7 UJ	9.8 UJ
DRO	34 U	34 U	37 U
ORO	69 U	69 U	74 U

Loc ID.	GP11	
Date	12/2/2012	
Depth	0.5 - 2.0	
GRO	**590**	
DRO	**1,700**	
ORO	**6,500**	

Loc ID.	GP13	
Date	12/2/2012	
Depth	0.5-2.7	
GRO	8.9 U	
DRO	6.5 U	
ORO	13 U	

Loc ID.	GP42		
Date	11/15/2016		
Depth	1.0 - 2.2	5.8 - 6.8	12.0 - 13.0[4]
GRO	10 UJ	8.4 UJ	9.2 UJ
DRO	**210**	34 U	36 U
ORO	**500**	68 U	**210**

Loc ID.	MW05		
Date	4/24/2017		
Depth	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8[4]
GRO	5.9 U	ND	ND
DRO	**140**	ND	ND
ORO	**530**	ND	ND

Loc ID.	GP41		
Date	11/15/2016		
Depth	2.0 - 2.8	5.5 - 6.5	8.0 - 9.0[4]
GRO	ND	7.5 UJ	8.8 UJ
DRO	ND	35 U	35 U
ORO	ND	69 U	71 U

Loc ID.	GP02	
Date	5/6/2012	
Depth	0.0 - 2.2	
GRO	ND	
DRO	ND	
ORO	ND	

Loc ID.	GP36		
Date	11/14/2016		
Depth	4.8 - 5.2	6.8 - 7.2	8.8 - 9.2[4]
GRO	7.2 UJ	9.4 UJ	8.6 UJ
DRO	32 U	36 U	35 U
ORO	64 U	72 U	**79**

Loc ID.	MW07		
Date	4/25/2017		
Depth	1.0 - 1.5	5.2 - 5.8	6.2 - 6.8[4]
GRO	ND	ND	ND
DRO	ND	ND	ND
ORO	ND	ND	ND

Loc ID.	B-3	
Date	11/15/2011	
Depth	5	
GRO	25 U	
DRO	50 U	
ORO	2 U	

Loc ID.	GP17	
Date	12/3/2012	
Depth	8.0 - 11.0[4]	
GRO	NS	
DRO	**13**	
ORO	**51**	

GP45 GP46 GP47 GP48 GP50 GP39 GP01 GP44 B-1 GP43 B-2 GP12 NS GP10 GP38 MW08 SV1 GP37 GP11 GP13 GP36 MW07 GP42 MW05 GP40 GP41 GP02 GP04 B-3 GP17 MW01

Puddles with Sheen

Former 500 gallon Waste Oil AST

Former 10,000 gallon Oil AST

Legend

- Exceeds MTCA Method A CUL
- Property Parcel
- BNSF-owned Parcel
- Skagit County Parcel
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Phase II ESA Boring Location
- MFA Boring, GW
- MFA Boring, Soil
- MFA Boring, Soil and GW

Notes:
1. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, there is an overlap between the Property and BNSF parcels.
2. MTCA Method A CULs for GRO, DRO, and ORO are protective of groundwater.
3. The MTCA Method A CUL for GRO is the CUL for gasoline mixtures with benzene present.
4. Saturated soil sample. Results will be used only for remedial design. CUL exceedances are noted only for reference.
5. All collection depths are in feet below ground surface.
6. All values are in milligrams per kilogram (parts per million).
7. AST = aboveground storage tank.
8. BNSF = Burlington Northern Santa Fe Railway.
9. CUL = cleanup level.
10. DRO = diesel-range organics.
11. Detections are shown in bold.
12. Grayed out locations were not sampled for soil.
13. GRO = gasoline-range organics.
14. GW = groundwater.
15. J = result is an estimated value.
16. Loc. ID = location identification.
17. MFA = Maul Foster & Alongi, Inc.
18. mg/kg = milligrams per kilogram.
19. MTCA = Model Toxics Control Act.
20. ND = not detected by Northwest Total Petroleum Hydrocarbon, hydrocarbon identification analysis.
21. NS = not sampled for the analyte(s) included in figure.
22. ORO = heavy-oil-range organics.
23. U = analyte not detected at or above the method reporting limit.

0 10 20
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Project: 0747.01.07

Figure 6-2
Area of Concern 1
Total Petroleum Hydrocarbons in Groundwater

North Cascade Ford Property
Sedro-Woolley, Washington

Cleanup Levels	
Analyte	MTCA Method A, Unrestricted Land Use (ug/L)
GRO	800
DRO	500
ORO	500

Loc ID.	GP47
Date	11/16/2016
Depth	10.0 - 15.0
GRO	NS
DRO	280 U
ORO	440 U

Loc ID.	GP46
Date	11/16/2016
Depth	10.0 - 15.0
GRO	NS
DRO	270 U
ORO	440 U

Loc ID.	GP45
Date	11/16/2016
Depth	11.0 - 15.0
GRO	NS
DRO	270 U
ORO	440 U

Loc ID.	GP39
Date	11/15/2016
Depth	10.0 - 15.0
GRO	NS
DRO	**480**
ORO	430 U

Loc ID.	GP38
Date	11/15/2016
Depth	10.0 - 15.0
GRO	**390**
DRO	**920**
ORO	430 U

Loc ID.	GP01
Date	5/6/2012
Depth	5.50 - 10.0
GRO	**1,800**
DRO	**3,300**
ORO	**1,100**

Loc ID.	B-1
Date	11/15/2011
Depth	NA
GRO	**200**
DRO	**430**
ORO	250 U

Loc ID.	GP43
Date	11/15/2016
Depth	10.0 - 15.0
GRO	NS
DRO	**1,400**
ORO	**910**

Loc ID.	B-2
Date	11/15/2011
Depth	NA
GRO	**1,400**
DRO	**13,000**
ORO	**8,600**

Loc ID.	GP12	
Date	12/2/2012	
Depth	7.95 - 10.0	23.0 - 28.0
GRO	250 U	NS
DRO	**710**	100 UJ
ORO	**400**	200 UJ

Loc ID.	GP48
Date	11/16/2016
Depth	11.80 - 15.0
GRO	NS
DRO	280 U
ORO	450 U

Loc ID.	GP10
Date	12/3/2012
Depth	5.83 - 10.0
GRO	250 U
DRO	100 U
ORO	200 U

Loc ID.	MW08
Date	4/26/2017
Depth	7.83 - 15.80
GRO	400 U
DRO	**1,000**
ORO	**690**

Loc ID.	GP44
Date	11/16/2016
Depth	10.0 - 15.0
GRO	NS
DRO	**880**
ORO	**570**

Loc ID.	MW05
Date	4/26/2017
Depth	5.76 - 10.60
GRO	**490**
DRO	**1,300**
ORO	**1,100**

Loc ID.	GP11
Date	12/2/2012
Depth	15.0 - 20.0
GRO	250 U
DRO	**980**
ORO	**310**

Loc ID.	GP36
Date	11/14/2016
Depth	11.0 - 16.0
GRO	100 UJ
DRO	**280**
ORO	**440**

Loc ID.	MW01	
Date	4/26/2017	
Depth	5.35 - 13.40	
GRO	100 U	100 U
DRO	**620**	**560**
ORO	**510 J**	410 U

Loc ID.	GP42
Date	11/15/2016
Depth	9.5 - 14.5
GRO	100 U
DRO	260 U
ORO	420 U

Loc ID.	GP50
Date	11/16/2016
Depth	10.20 - 15.0
GRO	NS
DRO	280 U
ORO	440 U

Loc ID.	GP40
Date	11/15/2016
Depth	6.55 - 11.0
GRO	NS
DRO	260 U
ORO	410 U

Loc ID.	GP41
Date	11/15/2016
Depth	11.10 - 15.0
GRO	NS
DRO	260 U
ORO	420 U

Loc ID.	GP02
Date	5/6/2012
Depth	5.80 - 15.0
GRO	250 U
DRO	100 U
ORO	200 U

Loc ID.	GP37
Date	11/14/2016
Depth	9.90 - 14.0
GRO	**400**
DRO	**1,500**
ORO	**880**

Loc ID.	MW07
Date	4/26/2017
Depth	7.85 - 19.74
GRO	100 U
DRO	260 U
ORO	410 U

Loc ID.	GP04
Date	5/7/2012
Depth	8.0 - 12.0
GRO	250 U
DRO	100 U
ORO	200 U

Loc ID.	GP17
Date	12/3/2012
Depth	10.0 - 15.0
GRO	250 U
DRO	110 U
ORO	220 U

Puddles with Sheen

Former 500 gallon Waste Oil AST

Former 10,000 gallon Oil AST

GP47 GP46 GP45 GP39 GP38 GP01 B-1 GP43 B-2 GP12 GP48 GP10 MW08 SV1 GP44 MW01 MW05 GP40 GP11 GP37 GP13 GP42 GP50 GP36 MW07 GP41 GP02 GP04 GP17 B-3

Legend

- Exceeds MTCA Method A CUL
- Property Parcel
- BNSF-owned Parcel
- Skagit County Parcel
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Phase II ESA Boring Location
- MFA Boring, Groundwater
- MFA Boring, Soil
- MFA Boring, Soil and Groundwater

Notes:
1. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, there is an overlap between the Property and BNSF parcels.
2. All values are in micrograms per liter (parts per billion).
3. Detected values are bolded.
4. Detected values that exceed a MTCA Method A CUL are highlighted green.
5. Grayed out boring locations were not sampled for groundwater.
6. AST = aboveground storage tank.
7. BNSF = Burlington Northern Santa Fe Railway.
8. CUL = cleanup level.
9. Depth = groundwater sample collection depth in feet below ground surface.
10. DRO = diesel-range organics.
11. ESA = environmental site assessment.
12. GRO = gasoline-range organics.
13. J = result is an estimated value.
14. Loc. ID = location identification.
15. MFA = Maul Foster & Alongi, Inc.
16. MTCA = Model Toxics Control Act.
17. NA = not available.
18. NS = not sampled for analyte(s) described in the figure.
19. ORO = heavy-oil-range organics.
20. U = analyte not detected at or above the method reporting limit.
21. ug/L = micrograms per liter.

0 10 20
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Figure 6-3
Area of Concern 2
DRO and Total Naphthalenes in Soil

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington

Loc. ID	GP34		
Date	11/14/2016		
Depth	2.3 - 2.7	6.2 - 6.6	7.3 - 7.7[4]
DRO	32 U	34 U	**3,100**
Total Naphth.	ND	ND	**2.18**

Loc. ID	GP35		
Date	11/14/2016		
Depth	5.3 - 5.7	6.3 - 6.7	11.8 - 12.2[4]
DRO	34 U	34 U	34 U
Total Naphth.	ND	ND	ND

Loc. ID	NSW02
Date	9/30/2016
Depth	7.5
DRO	**14,000**
Total Naphth.	**53.2**

Loc. ID	ESW02
Date	9/30/2016
Depth	7.5
DRO	**270**
Total Naphth.	**0.138**

Loc. ID	GP57
Date	11/17/2016
Depth	0.5 - 1.3
DRO	NS
Total Naphth.	**0.204**

Loc. ID	MW06		
Date	4/24/2017		
Depth	1.0 - 1.4	5.0 - 5.3	5.5 - 6.0[4]
DRO	32 U	33 U	34 U
Total Naphth.	**0.102**	ND	ND

Loc. ID	BASE02
Date	9/27/2016
Depth	7.5[4]
DRO	33 U
Total Naphth.	ND

Loc. ID	GP55	
Date	11/17/2016	
Depth	1.0 - 2.0	2.5 - 3.5
DRO	280 UJ	33 UJ
Total Naphth.	NS	NS

Loc. ID	GP33		
Date	11/14/2016		
Depth	5.8 - 6.2	6.8 - 7.2	7.8 - 8.2[4]
DRO	31 U	33 U	**8,000**
Total Naphth.	ND	ND	**5.55**

Loc. ID	GP53
Date	11/17/2016
Depth	0.0 - 1.6
DRO	**140 J**
Total Naphth.	**0.92**

Loc. ID	WSW02
Date	9/30/2016
Depth	7.5
DRO	**9,600**
Total Naphth.	**27.4**

Loc. ID	ESW01
Date	9/27/2016
Depth	7.5
DRO	33 U
Total Naphth.	ND

Loc. ID	BASE03
Date	9/29/2016
Depth	7.5[4]
DRO	40 U
Total Naphth.	**0.04**

Loc. ID	SSW01
Date	9/27/2016
Depth	7.5
DRO	28 U
Total Naphth.	**0.045**

Loc. ID	SSW03
Date	9/29/2016
Depth	7.5
DRO	28 U
Total Naphth.	ND

Loc. ID	SSW02
Date	9/27/2016
Depth	7.5
DRO	**820**
Total Naphth.	ND

GP03 NS
GP16
GP35
GP57
GP55
GP34
MW06
GP52
GP33
NSW02
ESW02
B-4
B-5
WSW02
BASE03
NSW01
WSW01
BASE02
ESW01
MW02
MW02R
GP54
MW04
GP53
SSW03
BASE01
SSW02
SSW01
GP74
GP75

Approximate Location of Boilers

Former 1,000 gallon Leaded Gasoline UST

Former 1,000 gallon Heating Oil UST

FERRY STREET

Cleanup Levels		
Analyte	MTCA Method A, Unrestricted Land Use (mg/kg)	Soil Concentration Protective of GW @ 13 degrees C (mg/kg)
DRO	2,000	NA
Total Naphth.	5	4.46

Notes:
1. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, the Property and adjacent parcels overlap.
2. All collection depths are in feet below ground surface.
3. All values are in milligrams per kilogram (parts per million).
4. Saturated soil sample. Results will be used only for remedial design. CUL exceedances are noted only for reference.
5. Analytical results for samples collected in soil that has since been removed as part of the interim remedial action (from locations B-4, B-5, and MW02) are not included.
6. Detected values are bolded.
7. Detected values that exceed the MTCA Method A CUL, or the MTCA Method A CUL and the soil concentration protective of groundwater, are highlighted.
8. Grayed out locations were not sampled for soil.
9. The higher of the naphthalenes concentrations from the 8270 and 8270 SIM methods is displayed, where applicable.
10. C = Celsius.
11. CUL = cleanup level.
12. DRO = diesel-range organics.
13. ESA = environmental site assessment.
14. GW = groundwater.
15. J = result is an estimated value.
16. Loc. ID = location identification.
17. mg/kg = milligrams per kilogram.
18. MTCA = Model Toxics Control Act.
18. NA = not available.
19. ND = DRO not detected by Northwest Total Petroleum Hydrocarbon, hydrocarbon identification analysis, or individual compounds included in the total naphthalenes sum were not detected at or above their method reporting limits.
20. Naphth. = naphthalenes.
21. NS = not sampled for the analyte(s) included in figure.
22. U = analyte not detected at or above the method reporting limit.
23. UST = underground storage tank.

Legend

- Exceeds both MTCA Method A CUL and Soil Concentration Protective of GW
- Exceeds MTCA Method A CUL
- Excavation Extent
- Property Parcel
- Skagit County Parcel
- Former Product Line
- Monitoring Well
- Monitoring Well (Decommissioned)
- Phase II ESA Boring Location (no longer representative)
- MFA Boring, GW
- MFA Boring, Soil
- MFA Boring, Soil and GW
- Confirmation Sample Location

0 10 20
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Parcels obtained from survey. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Project: 0747.01.07

Figure 6-4
Area of Concern 2
DRO in Groundwater

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington



Cleanup Level	
Analyte	MTCA Method A, Unrestricted Land Use (ug/L)
DRO	500

Legend

- Exceeds MTCA Method A CUL
- Excavation Extent
- Skagit County Parcel
- Former Product Line
- Monitoring Well
- Monitoring Well (Decommissioned)
- Phase II ESA Boring Location (no longer representative)
- MFA Boring, Groundwater
- MFA Boring, Soil
- MFA Boring, Soil and Groundwater

Notes:
1. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, the Property and adjacent parcels overlap.
2. All collection depths are in feet below ground surface.
3. All values are in micrograms per liter (parts per billion).
4. Detected values are bolded.
5. Detected values that exceed the MTCA Method A CUL are highlighted green.
6. Grayed out locations were not sampled for groundwater.
7. Pre-interim action groundwater analytical results from locations B-4, B-5, and MW-02 are not included.
8. CUL = cleanup level.
9. Depth = groundwater sample collection depth in feet below ground surface.
10. DRO = diesel-range organics.
11. ESA = environmental site assessment.
12. MFA = Maul Foster & Alongi, Inc.
13. MTCA = Model Toxics Control Act.
14. U = analyte not detected at or above the method reporting limit.
15. UST = underground storage tank.
16. ug/L = micrograms per liter.

0 10 20
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Parcels obtained from survey. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Figure 6-5
Area of Concern 3
Possible Buried Object - Total Petroleum Hydrocarbons and BTEX in Soil

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington

Legend

- Exceeds both MTCA Method A CUL and Soil Concentration Protective of GW
- Exceeds MTCA Method A CUL
- Property Parcel
- Skagit County Parcel
- Phase II ESA Boring Location
- MFA Boring, GW
- MFA Boring, Soil
- MFA Boring, Soil and GW

Notes:
1. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, the Property and adjacent parcels overlap.
2. MTCA Method A CULs for GRO, DRO, and ORO are protective of groundwater.
3. The MTCA Method A CUL for GRO is the CUL for gasoline mixtures with benzene present.
4. Saturated soil sample. Results will be used only for remedial design. CUL exceedances are noted only for reference.
5. Analytical results for chemicals associated with the former coal sheds, which are also included in area of concern 3, are not included in this figure.
6. All collection depths are in feet below ground surface.
7. All values are in milligrams per kilogram (parts per million).
8. AOC = area of concern.
9. BTEX = benzene, toluene, ethylbenzene, and xylenes.
10. C = Celsius.
11. CUL = cleanup level.
12. Detected values are bolded.
13. DRO = diesel-range organics.
14. ESA = environmental site assessment.
15. Grayed out locations were not sampled for soil.
16. GRO = gasoline-range organics.
17. GW = groundwater.
18. J = result is an estimated value.
19. Loc. ID = location identification.
20. MFA = Maul Foster & Alongi, Inc.
21. mg/kg = milligrams per kilogram.
22. MTCA = Model Toxics Control Act.
23. NA = not available.
24. ND = not detected.
25. NS = not sampled for analytes included in figure.
26. ORO = heavy-oil-range organics.
27. U = analyte not detected at or above the method reporting limit.

0 10 20
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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Loc ID.	GP42		
Date	11/15/2016		
Depth	1.0 - 2.2	5.8 - 6.8	12.0 - 13.0[4]
Benzene	NS	NS	NS
Toluene	NS	NS	NS
Ethylbenzene	NS	NS	NS
Xylenes	NS	NS	NS
GRO	10 UJ	8.4 UJ	9.2 UJ
DRO	**210**	34 U	36 U
ORO	**500**	68 U	**210**

Loc ID.	GP50		
Date	11/16/2016		
Depth	1.0 - 1.75	6.3 - 7.3	13.0 - 14.0[4]
Benzene	NS	NS	NS
Toluene	NS	NS	NS
Ethylbenzene	NS	NS	NS
Xylenes	NS	NS	NS
GRO	6.7 U	8.5 U	7.7 U
DRO	31 U	33 U	32 U
ORO	**92**	67 U	65 U

Loc ID.	GP05	
Date	5/8/2012	
Depth	1.5 - 2.6	5.0 - 6.3
Benzene	NS	NS
Toluene	NS	NS
Ethylbenzene	NS	NS
Xylenes	NS	NS
GRO	ND	ND
DRO	**460**	ND
ORO	**710**	ND

Loc ID.	B-3
Date	11/15/2011
Depth	5
Benzene	0.021 U
Toluene	0.036 U
Ethylbenzene	0.036 U
Xylenes	0.14 U
GRO	25 U
DRO	50 U
ORO	2 U

Loc ID.	GP77		
Date	4/25/2017		
Depth	1.0 - 1.4	2.8 - 3.2	6.3 - 6.8[4]
Benzene	0.0012 U	0.0012 U	0.0013 U
Toluene	0.0059 U	0.0058 U	0.0064 U
Ethylbenzene	0.067 U	0.0012 U	0.0013 U
Xylenes	0.0985 U	0.0018 U	0.002 U
GRO	ND	ND	ND
DRO	ND	ND	ND
ORO	ND	ND	ND

Loc ID.	GP76		
Date	4/25/2017		
Depth	1.6 - 2.0	2.6 - 3.0	6.8 - 7.2[4]
Benzene	**0.081**	**0.007**	**0.0022**
Toluene	**0.026**	0.0067 U	0.0051 U
Ethylbenzene	**0.46**	**0.12**	**0.15**
Xylenes	**1.253**	**0.0912**	**0.008**
GRO	ND	ND	**420 J**
DRO	ND	**130**	**510**
ORO	ND	67 U	65 U

Loc ID.	GP56
Date	11/17/2016
Depth	1.0 - 1.8
Benzene	NS
Toluene	NS
Ethylbenzene	NS
Xylenes	NS
GRO	ND
DRO	ND
ORO	ND

Loc ID.	GP17
Date	12/3/2012
Depth	8.0 - 11.0[4]
Benzene	NS
Toluene	NS
Ethylbenzene	NS
Xylenes	NS
GRO	NS
DRO	**13**
ORO	**51**

Loc ID.	GP51		
Date	11/16/2016		
Depth	1.2 - 1.7	2.7 - 3.0	7.1 - 7.8
Benzene	NS	**7.7 J**	**0.16 J**
Toluene	NS	1.5 UJ	0.063 UJ
Ethylbenzene	NS	**99 J**	**8.7 J**
Xylenes	NS	**457 J**	**7.01 J**
GRO	ND	**5,300 J**	**1,000 J**
DRO	280 U	**4,300 J**	**940 J**
ORO	**3,100**	82 U	100 U

Loc ID.	GP55	
Date	11/17/2016	
Depth	1.0 - 2.0	2.5 - 3.5
Benzene	0.02 UJ	0.02 UJ
Toluene	0.061 UJ	0.082 UJ
Ethylbenzene	0.061 UJ	0.082 UJ
Xylenes	ND	ND
GRO	6.1 UJ	8.2 UJ
DRO	280 UJ	33 UJ
ORO	**3,100 J**	65 UJ

Loc ID.	GP78		
Date	4/25/2017		
Depth	0.8 - 1.2	2.5 - 2.8	6.8 - 7.2[4]
Benzene	0.00092 U	0.00084 U	0.00098 U
Toluene	0.0046 U	0.0042 U	0.0049 U
Ethylbenzene	0.00092 U	0.00084 U	0.00098 U
Xylenes	0.00136 U	0.00127 U	**0.0061**
GRO	ND	ND	ND
DRO	**120 J**	ND	**1,400**
ORO	**320**	ND	140 U

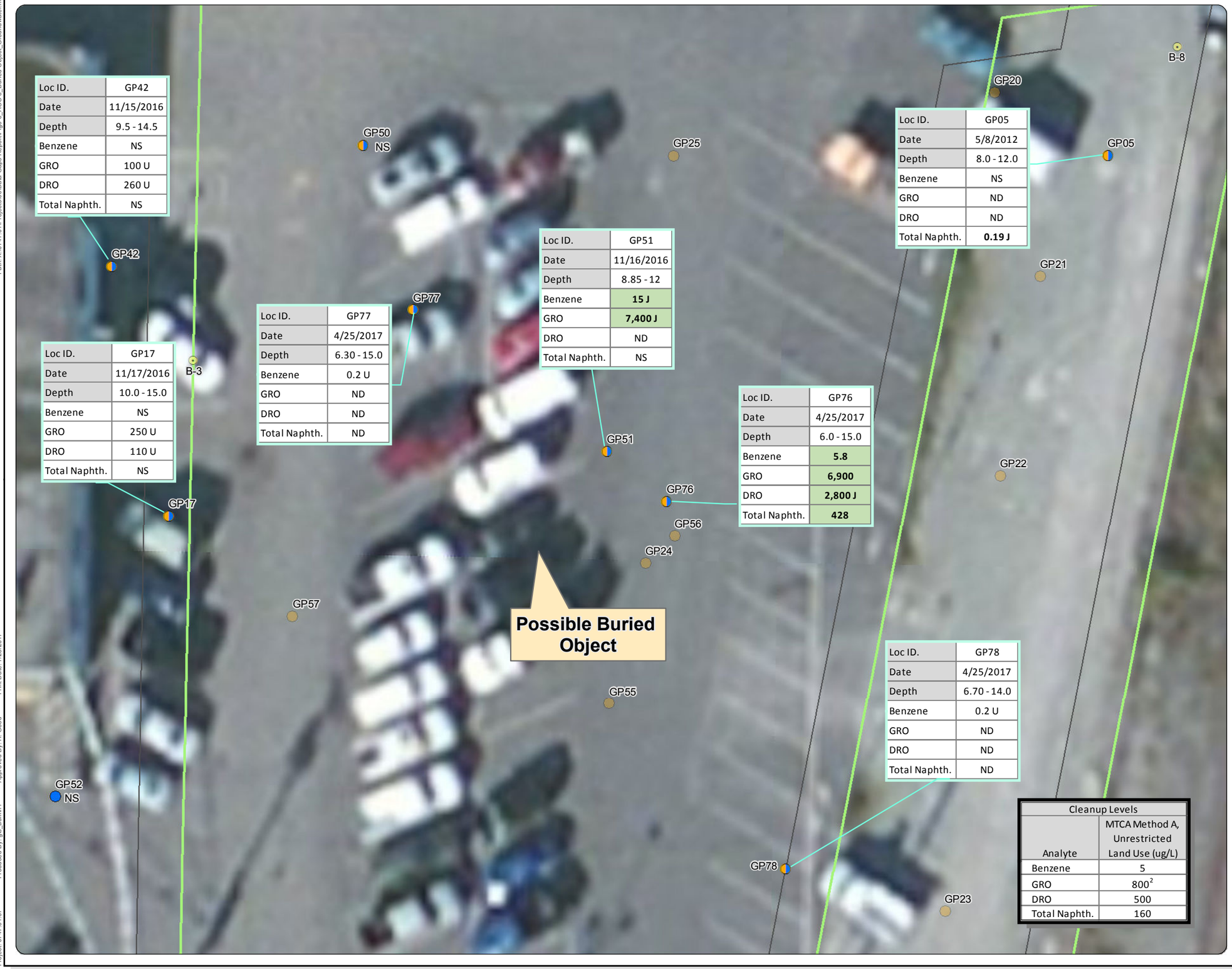
Cleanup Levels[2]		
Analyte	MTCA Method A, Unrestricted Land Use (mg/kg)	Soil Concentration Protective of GW @ 13 degrees C (mg/kg)
Benzene	0.03	0.0274
Toluene	7	4.52
Ethylbenzene	6	6.05
Xylenes	9	14.4
GRO	30[3]	NA
DRO	2,000	NA
ORO	2,000	NA

Possible Buried Object

GP50 GP25 NS GP05 GP20 NS B-8 NS GP42 GP77 B-3 GP21 NS GP51 GP76 GP56 GP22 NS GP17 GP24 NS GP57 NS GP52 GP55 GP78 GP23 NS

Project: 0747.01.07 Produced By: rroberts Approved By: H. Good Print Date: 7/28/2017

Path: X:\0747.01\Projects\06\Data Gaps Report\Fig6-6_AOC 3_Buried Object_Groundwater.mxd
Print Date: 7/28/2017
Approved By: H. Good
Produced By: gis_admin1
Project: 0747.01.07



Loc ID.	GP42
Date	11/15/2016
Depth	9.5 - 14.5
Benzene	NS
GRO	100 U
DRO	260 U
Total Naphth.	NS

Loc ID.	GP17
Date	11/17/2016
Depth	10.0 - 15.0
Benzene	NS
GRO	250 U
DRO	110 U
Total Naphth.	NS

Loc ID.	GP77
Date	4/25/2017
Depth	6.30 - 15.0
Benzene	0.2 U
GRO	ND
DRO	ND
Total Naphth.	ND

Loc ID.	GP51
Date	11/16/2016
Depth	8.85 - 12
Benzene	**15 J**
GRO	**7,400 J**
DRO	ND
Total Naphth.	NS

Loc ID.	GP05
Date	5/8/2012
Depth	8.0 - 12.0
Benzene	NS
GRO	ND
DRO	ND
Total Naphth.	**0.19 J**

Loc ID.	GP76
Date	4/25/2017
Depth	6.0 - 15.0
Benzene	**5.8**
GRO	**6,900**
DRO	**2,800 J**
Total Naphth.	**428**

Loc ID.	GP78
Date	4/25/2017
Depth	6.70 - 14.0
Benzene	0.2 U
GRO	ND
DRO	ND
Total Naphth.	ND

Cleanup Levels	
Analyte	MTCA Method A, Unrestricted Land Use (ug/L)
Benzene	5
GRO	800[2]
DRO	500
Total Naphth.	160

Figure 6-6
Area of Concern 3
Possible Buried Object - Benzene, GRO, DRO, and Total Naphthalenes in Groundwater

North Cascade Ford Property
116 West Ferry Street
Sedro-Woolley, Washington

Legend

- Exceeds MTCA Method A CUL
- Property Parcel
- Skagit County Parcel
- Phase II ESA Boring Location
- MFA Boring, Groundwater
- MFA Boring, Soil
- MFA Boring, Soil and Groundwater

Notes:
1. The surveyed Property parcel boundaries do not coincide with the adjacent parcel boundaries obtained from Skagit County; therefore, the Property and adjacent parcels overlap.
2. The MTCA Method A CUL for GRO is the CUL for gasoline mixtures with benzene present.
3. Analytical results for chemicals associated with the former coal sheds, which are also included in area of concern 3, are not included in this figure.
4. All collection depths are in feet below ground surface.
5. All values are in micrograms per liter (parts per billion).
6. Detected values are bolded.
4. Grayed out boring locations were not sampled for groundwater.
5. DRO = diesel-range organics.
6. Depth = groundwater sample collection depth in feet below ground surface.
7. ESA = environmental site assessment.
8. GRO = gasoline-range organics.
9. J = result is an estimated value.
10. Loc. ID = location identification.
11. MFA = Maul Foster & Alongi, Inc.
12. MTCA = Model Toxics Control Act.
13. ND = GRO or DRO not detected by Northwest Total Petroleum Hydrocarbon, hydrocarbon identification analysis, or individual compounds included in the total naphthalenes sum were not detected at or above their method reporting limits.
14. NS = not sampled for analyte(s) included in figure.
15. Total Naphth. = total naphthalenes.
16. U = analyte not detected at or above the method reporting limit.
17. ug/L = micrograms per liter.

0 10 20
Feet

Source: Aerial photograph (2015) obtained from Skagit County iMap. Property parcel boundaries surveyed by Wilson Engineering, LLC. Adjacent parcel boundaries obtained from Skagit County.

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APPENDIX A

GPR SURVEY

GEOTEST

741 Marine Drive
Bellingham, WA 98225

20611-67th Avenue NE
Arlington, WA 98223

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360 733_7318

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UTILITY SURVEY GROUND PENETRATING RADAR (GPR) EVALUATION REPORT NUMBER: GPR001					
Project Name	116 West Ferry Street - GPR	**GTS Job No.**	17-0223	**Date**	4/25/17
Client	Maul Foster & Alongi, Inc. 400 E. Mill Plain Blvd., Ste 400 Vancouver, WA 98660				
Attention	Carolyn Wise				

PROJECT DESCRIPTION					
GPR Scan Type	Utility	**Date of Scan**	4/19/17	**Operator(s)**	JS
Site Plan	Yes	**Photos**	Yes	**GPR Cross-Sections**	No
Location	Eastern Parking Lot of Dwayne Lane's North Cascade Ford				
Equipments	GSSI SIR 300 w/ 270 MHz antenna				

The primary purpose of our scanning was to determine the existence of possible historic underground storage tank(s) (UST) within a location specified by our client and approximate location of any USTs found during our investigation. The equipment utilized consisted of a SIR-3000 Ground Penetrating Radar (GPR) with a 270 MHz antenna.

Findings:

- GeoTest did not observe any indications of the existence of a UST within the scanned area.
  - Due to the presence of shallow groundwater, observed at approximately 5 feet below ground surface (BGS) according to our scanning, GeoTest was unable to observe conditions deeper than 5 feet BGS.
- GeoTest observed indications of fill soils at numerous areas within the scanned area. At the request of our client GeoTest did not further delineate the locations of the fill within the area scanned.

The extent of the area scanned was marked with white paint. A follow up scan performed after an extended period of dry weather, with groundwater encountered at an increased depth, may provide information at depths greater than 5 feet BGS.

EQUIPMENT AND METHODOLOGY

GSSI SIR 3000 Ground Penetrating Radar (GPR)

The GSSI SIR 3000 GPR is used to detect changes in subsurface composition and to identify features underground by interpreting reflected radar waves emitted from a scanning antenna. The reflected radar waves detect changes in dielectric properties of subsurface features such as metals, bedrock, varying soil, plastic, concrete, clay pipe and organic material. The GSSI SIR 3000 unit displays cross-sectional images of the subsurface on a video monitor which can then be utilized to interpret underground features. Scanning was performed utilizing a 270 MHz antenna. Typical scan depth utilizing a 270 MHz antenna can range from 5 feet to 15 feet below the ground surface depending on soil type and overlying mediums such as water, concrete and asphalt. GTS marked all apparent utilities or buried structures along with approximate depth with marking paint. All utilities and/or underground structures of known origin were marked in field within corresponding color according to AWPA Uniform Color Code for Marking Underground Facilities. Utilities and/or underground structures of unknown origin were marked in field with pink paint representing temporary survey markings.

LIMITATIONS

GeoTest Services has prepared this report for the exclusive use by Maul Foster & Alongi, Inc. and their representatives for the specific application described in the project description section of this report. Use of this report by others is at the user's sole risk.

Because depth of exploration is dependent upon the electrical properties of material(s) inspected and interpretations are opinions based on judgments made from those acquired signals and/or other data, GeoTest Services Inc. does not extend any warranties or guaranties as to the accuracy or correctness of interpretations and GeoTest Services Inc. will not accept liability or responsibility for any loss, damage, or expense that may be incurred or sustained by any services or interpretations performed by GeoTest Services, Inc. or others.

Metrotech scanning cannot distinguish the difference between utilities and/or subsurface target 100% of the time. It can only detect the center and approximate depth of targets. GeoTest Services, Inc. recognizes that other conditions may vary from those encountered at the location where geophysical or other explorations are made. The data interpretations and recommendations made by GeoTest Services, Inc. are based solely on the information available to them at the time of performance; and GeoTest Services, Inc. shall not be responsible for the interpretation, by others, of the information developed.

Submitted By	 Joe Schmidt, E.I.T. Lead GPR Operator



Figure 1: Area of Scan, Looking Northeast



Figure 2: Area Scanned Shown in Red

APPENDIX B

BORING LOGS

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**GP74**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry Street, Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**4/25/17 to 4/25/17**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7822DT**	Easting	
Geologist/Engineer	**C. Wise and A. Kaparos**	Hole Depth	**15.0-feet**
Sample Method	**Direct-Push**	Outer Hole Diam	**2.25-inch**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			**56**	**GP**					0.0 to 0.5 feet: ASPHALT; black/gray; 20% fines; 20% sand, fine to coarse, angular to subangular; 60% gravel, fine to medium, angular to subangular; loose; no odor; dry.
2									0.5 to 1.3 feet: SANDY SILT (ML); reddish brown; 70% fines; 30% sand, very fine to fine; stiff; no odor; dry.
3									@ 0.8 to 0.9 feet: trace vesicular black fragments, approximately 1-milimeter in diameter.
4									1.3 to 2.8 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, fine; dense; no odor; dry to moist.
5									2.8 to 5.0 feet: no recovery.
6	▽		**52**	**GW**					5.0 to 5.3 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, fine; dense; no odor; dry to moist.
7	▼			**GP**					5.3 to 6.4 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, fine to coarse, angular to subangular; no odor; wet.
8									6.4 to 7.6 feet: SANDY SILT (ML); light brown; 70% fines; 30% sand, very fine to fine; stiff; no odor; wet.
9									7.6 to 15.0 feet: no recovery.
10				**WS**		**GP74-W-9.0**			
11			**0**	**GP**					
12									
13									
14									
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 5.0 to 15.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 15.0 feet bgs: Bentonite chips hydrated with potable water.

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. GW = groundwater sample, dashed graphic indicates screened interval. 5. WS = reconnaissance groundwater sample.*

▽ ***Water level 5.3 feet bgs at time of drilling.***

▼ ***Water level 6.51 feet bgs during sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	GP75	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry Street, Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	4/25/17 to 4/25/17	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7822DT	Easting	
Geologist/Engineer	C. Wise and A. Kaparos	Hole Depth	15.0-feet
Sample Method	Direct-Push	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			46	GP					0.0 to 0.7 feet: GRAVELLY SAND WITH SILT (SW-SM); grayish brown; 30% fines; 40% sand, fine to medium, angular to subangular; 30% gravel, fine, angular to subangular; trace woody debris; no odor; dry.
2									0.7 to 1.0 feet: SANDY SILT (ML); light brown; 80% fines; 20% sand, very fine; stiff; no odor; dry.
3									1.0 to 2.3 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; dense; no odor; dry to moist.
4				GW					2.3 to 5.0 feet: no recovery.
5									
6	▽		72	GP					5.0 to 7.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; dense; no odor; moist to wet.
7	▼								
8									7.0 to 8.6 feet: POORLY GRADED SAND (SP); brown; 10% fines; 90% sand, fine to medium, angular to subangular; dense to loose; no odor; wet.
9									8.6 to 10.0 feet: no recovery.
10			80	GP WS		GP75-W-10.0			10.0 to 11.4 feet: POORLY GRADED SAND (SP); brown; 10% fines; 90% sand, fine to medium, angular to subangular; dense to loose; no odor; wet.
11									
12									11.4 to 14.0 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; soft; trace woody debris; no odor; wet.
13									
14									14.0 to 15.0 feet: no recovery.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 3.0 to 13.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 15.0 feet bgs: Bentonite chips hydrated with potable water.

NOTES: 1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. GW = groundwater sample, dashed graphic indicates screened interval. 5. WS = reconnaissance groundwater sample.

▽ **Water level 5.5 feet bgs at time of drilling.**

▼ **Water level 7.0 feet bgs during sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	GP76	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry Street, Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	4/25/17 to 4/25/17	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7822DT	Easting	
Geologist/Engineer	C. Wise and A. Kaparos	Hole Depth	15.0-feet
Sample Method	Direct-Push	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			60	GP					0.0 to 0.7 feet: ASPHALT; gray; 20% fines; 40% sand, fine to coarse, angular; 40% gravel, fine to coarse, angular; no odor; dry.
1						PID = 3.2 ppm			0.7 to 1.1 feet: SANDY SILT (ML); brownish black; 80% fines; 20% sand, very fine to fine; trace coal fragments; slight odor; dry.
						PID = 449.3 ppm			
2				GRAB		GP76-S-1.8			1.1 to 3.0 feet: SANDY SILT (ML); light brownish gray; 70% fines; 30% sand, very fine to fine; stiff; strong odor; moist.
						PID = 3.8 ppm			
3				GRAB		GP76-S-2.8			
						PID = 452.4 ppm			3.0 to 5.0 feet: no recovery.
4									
5			58	GW GP					5.0 to 5.7 feet: SANDY SILT (ML); gray; 70% fines; 30% sand, very fine to fine; stiff to soft; strong odor; moist to wet.
6									@ 5.7 feet: wet.
7				GRAB		GP76-S-7.0			5.7 to 7.9 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; strong odor and sheen; wet.
						PID = 478.6 ppm			
8									7.9 to 10.0 feet: no recovery.
9									
10			70	GP WS		PID = 477.4 ppm			10.0 to 10.5 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; strong odor and sheen; wet.
						GW76-W-10.0			
11						PID = 7.3 ppm			10.5 to 13.5 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; stiff to soft; no odor; wet.
12									
13									
14									13.5 to 15.0 feet: no recovery.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 5.0 to 15.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 15.0 feet bgs: Bentonite chips hydrated with potable water.

NOTES: 1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. GW = groundwater sample, dashed graphic indicates screened interval. 5. ppm = parts per million. 6. PID = photoionization detector. 7. WS = reconnaissance groundwater sample.

▽ **Water level 5.8 feet bgs at time of drilling.**

▼ **Water level 6.0 feet bgs during sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	GP77	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry Street, Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	4/25/17 to 4/25/17	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7822DT	Easting	
Geologist/Engineer	C. Wise and A. Kaparos	Hole Depth	15.0-feet
Sample Method	Direct-Push	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			64	GP					0.0 to 0.6 feet: ASPHALT; black; 20% fines; 40% sand, fine to medium; 40% gravel, fine to medium, angular to subrounded; dense; trace brick fragments; no odor; dry.
				GRAB		GP77-S-1.2 PID = 6.9 ppm			0.6 to 1.0 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, fine to medium, angular to subrounded; no odor; dry. (FILL)
2									1.0 to 1.4 feet: SANDY SILT (ML); black; 70% fines; 30% sand, very fine to fine; stiff; trace coal fragments; no odor; dry.
3				GRAB		GP77-S-3.0 PID = 4.8 ppm			1.4 to 3.2 feet: SILTY SAND (SM); gray brown; 30% fines; 70% sand, very fine to fine; dense; no odor; dry to moist.
4									3.2 to 5.0 feet: no recovery.
5			62	GW GP		PID = 5.7 ppm			5.0 to 6.2 feet: SILTY SAND (SM); gray brown; 30% fines; 70% sand, very fine to fine; dense; no odor; moist to wet.
6	▽ ▼								@ 5.5 feet: wet.
7				GRAB		GP77-S-6.5 PID = 5.5 ppm PID = 0.1 ppm			6.2 to 6.8 feet: POORLY GRADED SAND (SP); gray brown; 10% fines; 90% sand, fine to medium, angular to subangular; dense; no odor; wet.
8									6.8 to 7.5 feet: SILT (ML); gray; 100% fines; soft; no odor; wet.
									7.5 to 8.1 feet: SILTY SAND (SM); gray brown; 30% fines; 70% sand, very fine to fine; dense; no odor; wet.
9									8.1 to 10.0 feet: no recovery.
10			76	GP WS		GP77-W-10.0			10.0 to 11.0 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; dense; no odor; wet.
11									11.0 to 12.3 feet: SILT (ML); gray; 95% fines; 5% sand; soft; no odor; wet.
12									
13									12.3 to 13.8 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; dense; no odor; wet.
14									13.8 to 15.0 feet: no recovery.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 5.0 to 15.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 15.0 feet bgs: Bentonite chips hydrated with potable water.

NOTES: 1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. GW = groundwater sample, dashed graphic indicates screened interval. 5. ppm = parts per million. 6. PID = photoionization detector. 7. WS = reconnaissance groundwater sample.

▽ **Water level 5.5 feet bgs at time of drilling.**

▼ **Water level 6.3 feet bgs during sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**GP78**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry Street, Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**4/25/17 to 4/25/17**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7822DT**	Easting	
Geologist/Engineer	**C. Wise and A. Kaparos**	Hole Depth	**15.0-feet**
Sample Method	**Direct-Push**	Outer Hole Diam	**2.25-inch**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			**56**	**GP**					*0.0 to 0.8 feet: ASPHALT; black; 10% fines; 50% sand, fine to coarse, angular to subangular; 40% gravel, fine to coarse, angular; no odor; dry.*
				GRAB		**GP78-S-1.0 PID = 2.8 ppm**			*0.8 to 1.8 feet: COAL; black; 10% fines; 40% sand, fine to coarse, angular; 50% gravel, fine to medium, angular; trace woody debris and brick fragments; dense; no odor; dry.*
2									*1.8 to 2.8 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; dense; no odor; dry to moist.*
3				**GRAB**		**GP78-S-2.5 PID = 3.1 ppm**			*2.8 to 5.0 feet: no recovery.*
4									
5			**52**	**GW GP**					*5.0 to 6.6 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; dense; no odor; moist to wet.*
6	▽								*@ 5.5 feet: wet.*
7	▼			**GRAB**		**GP78-S-7.0 PID = 77.0 ppm**			*6.6 to 7.6 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular; sheen; odor; wet.*
8									*7.6 to 10.0 feet: no recovery.*
9									
10			**46**	**GP WS**		**GP76-W-10.0**			*10.0 to 12.3 feet: POORLY GRADED SAND (SP); brown; 5% fines; 95% sand, medium, angular; no odor; wet.*
11									
12									
13									*12.3 to 15.0 feet: no recovery.*
14									
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 5.0 to 15.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 15.0 feet bgs: Bentonite chips hydrated with potable water.

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. GW = groundwater sample, dashed graphic indicates screened interval. 5. ppm = parts per million. 6. PID = photoionization detector. 7. WS = reconnaissance groundwater sample.*

▽ ***Water level 5.5 feet bgs at time of drilling.***

▼ ***Water level 6.7 feet bgs during sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**MW02R**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry Street, Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**4/24/17 to 4/24/17**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7822DT**	Easting	
Geologist/Engineer	**C. Wise and A. Kaparos**	Hole Depth	**15.0-feet**
Sample Method	**Direct-Push**	Outer Hole Diam	**2.25-inch**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			**54**	**GP**					*0.0 to 0.5 feet: ASPHALT.*
2									*0.5 to 2.7 feet: SANDY GRAVEL WITH SILT (GW-GM); brownish gray; 20% fines; 40% sand, fine to coarse, angular to subangular; 40% gravel, fine to medium, angular to subangular; loose; trace micaceous fragments; no odor; dry. (FILL)*
3									*2.7 to 5.0 feet: no recovery.*
4									
5			**68**	**GP**					*5.0 to 6.1 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine, angular to subangular; medium dense; no odor; dry.*
6									*6.1 to 6.5 feet: POORLY GRADED SAND (SP); brown; 5% fines; 95% sand, medium, angular to subangular; no odor; moist to wet.*
7									*6.5 to 8.4 feet: POORLY GRADED SAND (SP); light brown; 10% fines; 90% sand, very fine to medium, angular to subangular; very loose; sheen; slight odor; trace wood debris; wet.*
8									
9									*8.4 to 10.0 feet: no recovery.*
10			**20**	**GP GW**	**MW02R-GW-042617**				*10.0 to 11.0 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular;*
11									*11.0 to 15.0 feet: no recovery.*
12									
13									
14									
15									

Total Depth = 15.0 feet bgs.

Borehole Completion Details:

0.0 to 15.0 feet: 3.75-inch borehole.
0.0 to 2.0 feet: Concrete.
2.0 to 3.0 feet: Bentonite chips hydrated with potable water.
3.0 to 15.0 feet: 10x20 silica sand filter pack.

Monitoring Well Completion Details:

Washington State Department of Ecology Well Tag Number: BKY-216
Traffic-grade, flush-mounted, monitoring well vault.
0.0 to 5.0 feet: 2-inch diameter, schedule 40, polyvinyl chloride, riser pipe.
5.0 to 14.8 feet: 2-inch diameter, schedule 40, polyvinyl chloride, 0.010 machine slot, prepacked well screen.
14.8 to 15.0 feet: 2-inch, schedule 40, polyvinyl chloride pipe end cap.

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.*

▽ ***Water level 6.5 feet bgs at time of drilling.***

▼ ***Water level 6.6 feet bgs during sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**MW04**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry Street, Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**4/24/17 to 4/24/17**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7822DT**	Easting	
Geologist/Engineer	**C. Wise and A. Kaparos**	Hole Depth	**15.0-feet**
Sample Method	**Direct-Push**	Outer Hole Diam	**2.25-inch**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			54	GP					0.0 to 0.7 feet: ASPHALT.
1									0.7 to 2.7 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine, angular to subangular; medium dense; no odor; dry to moist.
2									@ 2.7 feet: moist.
3									2.7 to 5.0 feet: no recovery.
4									
5			60	GP					5.0 to 7.3 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine, angular to subangular; trace medium sand; loose to medium dense; no odor; wet.
6									
7									7.3 to 8.0 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; loose; no odor; wet.
8									8.0 to 10.0 feet: no recovery.
9				GW	MW04-GW-042617				
10			50	GP					10.0 to 11.3 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; loose; no odor; wet.
11									11.3 to 12.5 feet: SILT (ML); gray; 95% fines, very soft; 5% sand, very fine to fine; no odor; wet.
12									12.5 to 15.0 feet: no recovery.
13									
14									
15									

Total Depth = 15.0 feet bgs.

Borehole Completion Details:

0.0 to 15.0 feet: 3.75-inch borehole.
0.0 to 1.0 feet: Concrete.
1.0 to 2.0 feet: Bentonite chips hydrated with potable water.
2.0 to 15.0 feet: 10x20 silica sand filter pack.

Monitoring Well Completion Details:

Washington State Department of Ecology Well Tag Number: BKY-215
Traffic-grade, flush-mounted, monitoring well vault.
0.0 to 4.0 feet: 2-inch diameter, schedule 40, polyvinyl chloride, riser pipe.
4.0 to 13.8 feet: 2-inch diameter, schedule 40, polyvinyl chloride, 0.010 machine slot, prepacked well screen.
13.8 to 14.0 feet: 2-inch, schedule 40, polyvinyl chloride pipe end cap.

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.*

▽ ***Water level 5.0 feet bgs at time of drilling.***

▼ ***Water level 6.39 feet bgs during sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**MW05**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry Street, Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**4/24/17 to 4/24/17**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7822DT**	Easting	
Geologist/Engineer	**C. Wise and A. Kaparos**	Hole Depth	**15.0-feet**
Sample Method	**Direct-Push**	Outer Hole Diam	**2.25-inch**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			30	GP					0.0 to 0.6 feet: ASPHALT.
1				GRAB		MW05-S-0.8			0.6 to 0.9 feet: SANDY GRAVEL WITH SILT (GW-GM); gray; 10% fines; 30% sand, fine to coarse, angular to subangular; 60% gravel, fine to medium, angular to subangular; loose; slight odor; dry.
2				GRAB		MW05-S-2.3			@ 0.6 to 0.7 feet: large rock.
3									0.9 to 2.3 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine, angular to subangular; dense; no odor; dry to moist.
4									2.3 to 5.0 feet: no recovery.
5	▽		70	GP					
6	▼			GRAB		MW05-S-5.5			5.0 to 6.4 feet: SANDY SILT (ML); gray; 70% fines, soft; 30% sand, very fine to fine; slight odor; wet.
7									6.4 to 7.2 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium angular to subangular; loose; no odor; wet.
8				GW		MW05-GW-042617			7.2 to 8.5 feet: SANDY SILT (ML); gray; 70% fines, soft; 30% sand, very fine; no odor; wet.
9									8.5 to 10.0 feet: no recovery.
10			100	GP					
11									10.0 to 11.5 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; no odor; wet.
12									11.5 to 15.0 feet: SANDY SILT (ML); gray; 70% fines, soft to stiff; 30% sand, very fine; no odor; wet.
13									
14									
15									

Total Depth = 15.0 feet bgs.

Borehole Completion Details:

0.0 to 15.0 feet: 3.75-inch borehole.
0.0 to 2.0 feet: Concrete.
2.0 to 4.0 feet: Bentonite chips hydrated with potable water.
4.0 to 14.0 feet: 10x20 silica sand filter pack.

Monitoring Well Completion Details:

Washington State Department of Ecology Well Tag Number: BKY-217
Traffic-grade, flush-mounted, monitoring well vault.
0.0 to 6.0 feet: 2-inch diameter, schedule 40, polyvinyl chloride, riser pipe.
6.0 to 10.8 feet: 2-inch diameter, schedule 40, polyvinyl chloride, 0.010 machine slot, prepacked well screen.
10.8 to 11.0 feet: 2-inch, schedule 40, polyvinyl chloride pipe end cap.

NOTES: 1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.

▽ **Water level 5.0 feet bgs at time of drilling.**

▼ **Water level 5.76 feet bgs during sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	MW06	1 of 2

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry Street, Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	4/24/17 to 4/24/17	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7822DT	Easting	
Geologist/Engineer	C. Wise and A. Kaparos	Hole Depth	20.0-feet
Sample Method	Direct-Push	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			46	GP					0.0 to 0.5 feet: WELL GRADED GRAVEL (GW); gray; 5% sand, fine to coarse, angular to subrounded; 95% gravel, fine to coarse, angular to subrounded; no odor; dry.
				GRAB		MW06-S-1.2			0.5 to 2.3 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine, angular to subangular; no odor; dry to moist.
2									
3									2.3 to 5.0 feet: no recovery.
4									
5	▽		64	GRAB		MW06-S-5.2			5.0 to 8.2 feet: SANDY SILT (ML); light brown; 70% fines, soft to stiff; 30% sand, very fine to fine; no odor; moist to wet.
				GP					
6				GRAB		MW06-S-5.8			
7									
8	▼								8.2 to 10.0 feet: no recovery.
9									
10			66	GP					10.0 to 13.2 feet: SILT (ML); gray; 95% fines, soft; 5% sand, very fine; soft; intermittent lenses of fine sand; no odor; wet.
11									
12									
13				GW		MW06-GW-042617			13.2 to 15.0 feet: no recovery.
14									
15			60	GP					15.0 to 16.2 feet: SILT (ML); gray; 95% fines, soft; 5% sand; no odor; wet.
16									16.2 to 18.0 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; no odor; wet.
17									
18									18.0 to 20.0 feet: no recovery.
19									
20									

NOTES: 1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.

▽ **Water level 5.0 feet bgs at time of drilling.**

▼ **Water level 7.66 feet bgs during sampling.**

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Maul Foster & Alongi, Inc.	Geologic Borehole Log/Well Construction		
	Project Number **0747.01.07**	Well Number **MW06**	Sheet **2 of 2**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Sample Data: Percent Recovery	Sample Data: Collection Method	Sample Data: Number	Sample Data: Name (Type)	Sample Data: Blows/6"	Lithologic Column	Soil Description

Total Depth = 20.0 feet bgs.

Borehole Completion Details:
0.0 to 20.0 feet: 3.75-inch borehole.
0.0 to 1.5 feet: Concrete.
1.5 to 3.0 feet: Bentonite chips hydrated with potable water.
3.0 to 20.0 feet: 10x20 silica sand filter pack.

Monitoring Well Completion Details:
Washington State Department of Ecology Well Tag Number: BKY-218
Traffic-grade, flush-mounted, monitoring well vault.
0.0 to 5.0 feet: 2-inch diameter, schedule 40, polyvinyl chloride, riser pipe.
5.0 to 19.8 feet: 2-inch diameter, schedule 40, polyvinyl chloride, 0.010 machine slot, prepacked well screen.
19.8 to 20.0 feet: 2-inch, schedule 40, polyvinyl chloride pipe end cap.

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.*

▽ ***Water level 5.0 feet bgs at time of drilling.***

▼ ***Water level 7.66 feet bgs during sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**MW07**	**1 of 2**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry Street, Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**4/25/17 to 4/25/17**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7822DT**	Easting	
Geologist/Engineer	**C. Wise and A. Kaparos**	Hole Depth	**20.0-feet**
Sample Method	**Direct-Push**	Outer Hole Diam	**2.25-inch**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			**46**	**GP**					*0.0 to 0.6 feet: WELL GRADED GRAVEL (GW); gray; 5% sand, coarse, angular to subangular; 95% gravel, fine to medium, angular to subrounded; trace reddish brick fragments; no odor; dry. (FILL)*
				GRAB		**MW07-S-1.2**			*0.6 to 2.3 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine; dense to loose; no odor; dry.*
2									
3									*2.3 to 5.0 feet: no recovery.*
4									
5			**96**	**GP**					*5.0 to 6.0 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine; dense to loose; no odor; dry to moist.*
				GRAB		**MW07-S-5.5**			
6				**GRAB**		**MW07-S-6.5**			*6.0 to 7.5 feet: SANDY SILT (ML); brownish gray; 70% fines, soft; 30% sand, very fine to fine; no odor; moist to wet.*
7	▽								*@ 7.0 feet: wet.*
8	▼								*7.5 to 9.8 feet: SILT (ML); light brown; 95% fines, soft; 5% sand, very fine; no odor; wet.*
9									*@ 8.5 feet: color change to gray.*
10									*9.8 to 10.0 feet: no recovery.*
			60	**GP**					*10.0 to 12.0 feet: SILT (ML); gray; 95% fines, soft; 5% sand, very fine; trace woody debris; no odor; wet.*
11				**GW**		**MW07-GW-042617**			
12									*12.0 to 13.0 feet: POORLY GRADED SAND (SP); gray; 5% fines, loose to dense; 95% sand, medium, angular to subangular; no odor; wet.*
13									*13.0 to 15.0 feet: no recovery.*
14									
15			**20**	**GP**					*15.0 to 16.0 feet: POORLY GRADED SAND (SP); gray; 5% fines, loose to dense; 95% sand, medium, angular to subangular; no odor; wet.*
16									*16.0 to 20.0 feet: no recovery.*
17									
18									
19									
20									

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.*

▽ ***Water level 7.0 feet bgs at time of drilling.***

▼ ***Water level 7.85 feet bgs during sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**MW07**	**2 of 2**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Sample Data: Percent Recovery	Sample Data: Collection Method	Sample Data: Number	Sample Data: Name (Type)	Sample Data: Blows/6"	Lithologic Column	Soil Description

Total Depth = 20.0 feet bgs.

Borehole Completion Details:
0.0 to 20.0 feet: 3.75-inch borehole.
0.0 to 1.5 feet: Concrete.
1.5 to 3.0 feet: Bentonite chips hydrated with potable water.
3.0 to 20.0 feet: 10x20 silica sand filter pack.

Monitoring Well Completion Details:
Washington State Department of Ecology Well Tag Number: BKY-219
Traffic-grade, flush-mounted, monitoring well vault.
0.0 to 5.0 feet: 2-inch diameter, schedule 40, polyvinyl chloride, riser pipe.
5.0 to 19.8 feet: 2-inch diameter, schedule 40, polyvinyl chloride, 0.010 machine slot, prepacked well screen.
19.8 to 20.0 feet: 2-inch, schedule 40, polyvinyl chloride pipe end cap.

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.*

▽ ***Water level 7.0 feet bgs at time of drilling.***

▼ ***Water level 7.85 feet bgs during sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	MW08	1 of 2

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry Street, Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	4/25/17 to 4/25/17	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7822DT	Easting	
Geologist/Engineer	C. Wise and A. Kaparos	Hole Depth	16.0-feet
Sample Method	Direct-Push	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			55	GP					0.0 to 0.8 feet: SANDY GRAVEL WITH SILT (GW-GM); brown; 20% fines; 40% sand, medium to coarse, angular to subrounded; 40% gravel, fine to medium, angular to subrounded; loose; no odor; dry. (FILL)
2									0.8 to 1.1 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine; dense; no odor; dry.
			55	GP					1.1 to 2.0 feet: no recovery.
3									2.0 to 2.7 feet: POORLY GRADED SAND (SP); light brown; 15% fines; 85% sand, very fine to fine; dense; no odor; dry to moist.
4									2.7 to 3.1 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine, loose; no odor; dry to moist.
			65	GP					3.1 to 4.0 feet: no recovery.
5	▽								4.0 to 5.3 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine; loose; no odor; moist to wet.
6									@ 5.0 feet: increase in fines, wet.
									5.3 to 6.0 feet: no recovery.
			40	GP					6.0 to 6.8 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine; dense; no odor; wet.
7	▼								@ 6.8 feet: medium sand.
8									6.8 to 8.0 feet: no recovery.
			60	GP					8.0 to 8.2 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; no odor; wet.
9									8.2 to 9.2 feet: SILT (ML); gray; 90% fines, stiff to soft; 10% sand, very fine; no odor; wet.
10									9.2 to 10.0 feet: no recovery.
			100	GP					10.0 to 10.5 feet: SILT (ML); gray; 90% fines, very soft; 10% sand, medium, angular; no odor; wet.
11				GW	MW08-GW-042617				10.5 to 11.9 feet: SILT (ML); gray; 95% fines, soft; 5% sand, very fine; no odor; wet.
12			100	GP					11.9 to 12.0 feet: SANDY SILT (ML); gray; 70% fines, stiff; 30% sand, very fine to fine; no odor; wet.
13									12.0 to 13.8 feet: SILT (ML); gray; 90% fines, soft; 10% sand, very fine; no odor; wet.
14									13.8 to 14.0 feet: no recovery.
			100	GP					14.0 to 16.0 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular to subangular; no odor; wet.
15									
16									

Total Depth = 16.0 feet bgs.

Borehole Completion Details:
0.0 to 16.0 feet: 3.75-inch borehole.
0.0 to 2.0 feet: Concrete.
2.0 to 4.0 feet: Bentonite chips hydrated with potable water.
4.0 to 16.0 feet: 10x20 silica sand filter pack.

Monitoring Well Completion Details:
Washington State Department of Ecology Well Tag Number: BKY-220
Traffic-grade, flush-mounted, monitoring well vault.

NOTES: 1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.

▽ **Water level 5.0 feet bgs at time of drilling.**

▼ **Water level 7.38 bgs during sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.07	**MW08**	**2 of 2**

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
									0.0 to 6.0 feet: 2-inch diameter, schedule 40, polyvinyl chloride, riser pipe. *6.0 to 15.8 feet: 2-inch diameter, schedule 40, polyvinyl chloride, 0.010 machine slot, prepacked well screen.* *15.8 to 16.0 feet: 2-inch, schedule 40, polyvinyl chloride pipe end cap.*

NOTES: *1. bgs = below ground surface. 2. Depths are relative to feet bgs. 3. GP = Geoprobe macro-core sampler. 4. ppm = parts per million.*

▽ ***Water level 5.0 feet bgs at time of drilling.***

▼ ***Water level 7.38 bgs during sampling.***

GBLWC W:\GINT\GINTWPROJECTS\0747.01\MW02R TO MW08_GP74 TO GP78.GPJ 8/9/17

APPENDIX C

WATER FIELD SAMPLING DATA SHEETS



Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP74		
Project #	0747.01.07	**Sampler**	A. Kaparos		
Project Name	North Cascade Ford	**Sampling Date**	4/25/2017		
Sampling Event	April 2017	**Sample Name**	GP74-W-9.0		
Sub Area		**Sample Depth**	9		
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/25/2017	13:40	14		6.51		7.49	0.17

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	1:42:00 PM	0.3	0.2	7.7	13.1	186.9			
	1:48:00 PM	0.6	0.2	7.43	12.3	165.3			
Final Field Parameters	1:52:00 PM	0.9	0.2	7.18	12	163.7			

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Turbid brown. No odor. Started to clear at 13:41. Mostly clear at 13:50.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	1:40:00 PM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments Began purge at 13:40.

Signature _____

Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP75
Project #	0747.01.07	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	4/25/2017
Sampling Event	April 2017	**Sample Name**	GP75-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	EMC 5/5/2017	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/25/2017	14:00	13		7		6	0.14

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	2:13:00 PM	0.6	0.2	6.31	13.6	297			
Final Field Parameters	2:18:00 PM	0.75	0.2	6.21	13.4	283			

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Initially silty. Starting to clear at 14:15. No odor or sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	2:15:00 PM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments

Began purge at 14:00.

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP76		
Project #	0747.01.07	**Sampler**	A. Kaparos		
Project Name	North Cascade Ford	**Sampling Date**	4/25/2017		
Sampling Event	April 2017	**Sample Name**	GP76-W-10.0		
Sub Area		**Sample Depth**	10		
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/25/2017	15:00	15		6		9	0.21

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	3:08:00 PM	0.4	0.2	6.59	14.5	698			
	3:12:00 PM	0.6	0.2	6.61	13.7	705			
Final Field Parameters	3:20:00 PM	1.1	0.2	6.62	13.4	718			

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Very cloudy/silty. Slight sheen and odor.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	3:20:00 PM	VOA-Glass	7	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	11	

General Sampling Comments Began purge at 15:00.

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP77
Project #	0747.01.07	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	4/25/2017
Sampling Event	April 2017	**Sample Name**	GP77-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	EMC 5/5/2017	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/25/2017	16:08	15		6.3		8.7	0.2

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	4:18:00 PM	0.25	0.2	6.56	13.3	682			
	4:21:00 PM	0.5	0.2	6.47	12.6	679			
Final Field Parameters	4:24:00 PM	0.75	0.2	6.45	12.4	682			

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Initially silty/cloudy. Slightly turbid. No odor or sheen. Started to clear at 16:15.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	4:30:00 PM	VOA-Glass	7	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	11	

General Sampling Comments

Began purge at 16:10.

Signature _____

Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP78		
Project #	0747.01.07	**Sampler**	A. Kaparos		
Project Name	North Cascade Ford	**Sampling Date**	4/25/2017		
Sampling Event	April 2017	**Sample Name**	GP78-W-10.0		
Sub Area		**Sample Depth**	10		
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/25/2017	17:05	14		6.7		7.3	0.17

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	5:15:00 PM	0.25	0.2	6.38	12.4	296			
	5:20:00 PM	0.5	0.2	6.2	12.2	289			
Final Field Parameters	5:25:00 PM	0.75	0.2	6.18	12	282			

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Brown, turbid/silty. No odor or sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	5:30:00 PM	VOA-Glass	7	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	11	

General Sampling Comments Began purge at 17:10.

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	MW01				
Project #	0747.01.07	**Sampler**	C. Wise				
Project Name	North Cascade Ford	**Sampling Date**	4/26/2017				
Sampling Event	April 2017	**Sample Name**	MW01-GW-042617				
Sub Area		**Sample Depth**	9				
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/26/2017	11:00	13.4		5.35		8.05	1.32

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	11:55:00 AM	2.38	0.1	7.14	11.1	317	0.67	-42.8	13.8
	12:00:00 PM	2.51	0.1	7.15	11.1	318	0.66	-44	13
	12:05:00 PM	2.64	0.1	7.15	11.12	317	0.64	-45.2	12.3
	12:10:00 PM	2.77	0.1	7.15	11.11	316	0.62	-45.6	13.2
	12:15:00 PM	2.9	0.1	7.16	11.08	318	0.59	-46.4	12.8
	12:20:00 PM	3.03	0.1	7.16	11.07	319	0.58	-46.8	13.4
Final Field Parameters	12:25:00 PM	3.16	0.1	7.16	11.06	320	0.54	-47.1	12.6

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear. Slight odor. Trace sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	12:30:00 PM	VOA-Glass	4	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	8	

General Sampling Comments Began purge at 11:15. Trace amount of dark brown free product. Collected MWDUP-GW-042617.

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	MW02R		
Project #	0747.01.07	**Sampler**	C. Wise		
Project Name	North Cascade Ford	**Sampling Date**	4/26/2017		
Sampling Event	April 2017	**Sample Name**	MW02R-GW-042617		
Sub Area		**Sample Depth**	10		
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/26/2017	7:45	14.8		6.6		8.2	1.34

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	8:10:00 AM	1.25	0.2	7.16	10.73	209	3.24	-11	6.95
	8:15:00 AM	1.5	0.2	7.16	10.71	207	3.12	-12.5	6.13
	8:20:00 AM	1.75	0.2	7.16	10.68	206	3.02	-12.7	6.47
	8:25:00 AM	2	0.2	7.18	10.68	205	1.36	-13.4	6.71
	8:30:00 AM	2.25	0.2	7.18	10.67	204	1.24	-13.8	6.11
	8:35:00 AM	2.5	0.2	7.19	10.65	203	1.18	-14.2	6.03
Final Field Parameters	8:40:00 AM	2.75	0.2	7.19	10.64	203	1.13	-14.4	5.96

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear. Slight odor. No sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	8:45:00 AM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments

Began purge at 8:00.

Signature _____

Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	MW04				
Project #	0747.01.07	**Sampler**	C. Wise				
Project Name	North Cascade Ford	**Sampling Date**	4/26/2017				
Sampling Event	April 2017	**Sample Name**	MW04-GW-042617				
Sub Area		**Sample Depth**	9				
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/26/2017	9:00	13.6		6.39		7.21	1.18

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	9:15:00 AM	1.25	0.2	7.12	11.62	347	1.11	-4.7	4.07
	9:20:00 AM	1.5	0.2	7.12	11.64	345	0.94	-5.3	4.38
	9:25:00 AM	1.75	0.2	7.13	11.66	346	0.71	-6.5	3.73
	9:30:00 AM	2	0.2	7.13	11.65	343	0.61	-7.3	2.88
	9:35:00 AM	2.25	0.2	7.13	11.65	342	0.6	-7.5	2.93
Final Field Parameters	9:40:00 AM	2.5	0.2	7.13	11.65	343	0.58	-7.7	2.74

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear. No odor or sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	9:45:00 AM	VOA-Glass		
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	2	

General Sampling Comments Began purge at 9:00.

Signature _____

Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	MW05		
Project #	0747.01.07	**Sampler**	C. Wise		
Project Name	North Cascade Ford	**Sampling Date**	4/26/2017		
Sampling Event	April 2017	**Sample Name**	MW05-GW-042617		
Sub Area		**Sample Depth**	7		
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/26/2017	9:55	10.6		5.76		4.84	0.79

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	10:10:00 AM	0.75	0.2	6.95	11.19	377	0.85	-7.5	15.2
	10:15:00 AM	1	0.2	6.99	11.18	373	0.66	-11.9	13.8
	10:20:00 AM	1.25	0.2	7.03	11.17	371	0.54	-16.4	11.4
	10:25:00 AM	1.5	0.2	7.04	11.17	370	0.51	-18.7	12.3
	10:30:00 AM	1.75	0.2	7.07	11.17	369	0.5	-21	12.7
Final Field Parameters	10:35:00 AM	2	0.2	7.07	11.15	368	0.48	-22.3	11.8

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear. Slight odor. No sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	10:45:00 AM	VOA-Glass	2	No
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments Began purge at 10:00.

Signature _____

Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	MW06				
Project #	0747.01.07	**Sampler**	C. Wise				
Project Name	North Cascade Ford	**Sampling Date**	4/26/2017				
Sampling Event	April 2017	**Sample Name**	MW06-GW-042617				
Sub Area		**Sample Depth**	13				
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/26/2017	14:40	19.74		7.66		12.09	1.97

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	3:00:00 PM	2	0.2	6.67	16.22	328	1.71	-7.6	3.86
	3:05:00 PM	2.25	0.2	6.71	16.22	328	1.64	-9.5	3.16
	3:10:00 PM	2.5	0.2	6.71	16.22	327	1.58	-10	2.81
	3:15:00 PM	2.75	0.2	6.73	16.21	327	1.48	-10.8	1.73
	3:20:00 PM	3	0.2	6.74	16.21	328	1.4	-11.5	2.11
	3:25:00 PM	3.25	0.2	6.75	16.17	328	1.35	-12.1	2.33
Final Field Parameters	3:30:00 PM	3.5	0.2	6.75	16.17	328	1.29	-12.5	1.83

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear. No odor or sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	3:30:00 PM	VOA-Glass	3	No
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	5	

General Sampling Comments

Began purge at 14:40.

Signature _____

Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	MW07		
Project #	0747.01.07	**Sampler**	C. Wise		
Project Name	North Cascade Ford	**Sampling Date**	4/26/2017		
Sampling Event	April 2017	**Sample Name**	MW07-GW-042617		
Sub Area		**Sample Depth**	11		
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/26/2017	13:15	19.74		7.85		11.89	1.93

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	1:45:00 PM	2	0.2	6.94	16.05	367	1.02	-23.8	5.56
	1:50:00 PM	2.25	0.2	6.93	16.08	367	0.74	-25.5	5.37
	1:55:00 PM	2.5	0.2	6.93	16.08	367	0.68	-25.9	4.38
	2:00:00 PM	2.75	0.2	6.92	16.09	368	0.59	-27	2.21
	2:05:00 PM	3	0.2	6.92	16.09	369	0.57	-27.3	2.74
Final Field Parameters	2:10:00 PM	3.25	0.2	6.92	16.1	370	0.56	-27.7	1.76

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear. Slight odor. No sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	2:15:00 PM	VOA-Glass	2	No
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments Began purge at 13:25.

Signature _____

Maul Foster & Alongi, Inc.

400 E. Mill Plain Blvd, Suite 400, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	MW08				
Project #	0747.01.07	**Sampler**	C. Wise				
Project Name	North Cascade Ford	**Sampling Date**	4/26/2017				
Sampling Event	April 2017	**Sample Name**	MW08-GW-042617				
Sub Area		**Sample Depth**	11				
FSDS QA:	EMC 5/5/2017	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/26/2017	15:40	15.8		7.38		8.42	1.37

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**ORP**	**Turbidity**
(2) Peristaltic Pump	3:55:00 PM	1.25	0.2	6.8	13.03	513	1.41	-15.2	9.07
	4:00:00 PM	1.5	0.2	6.88	12.8	513	0.78	-20.7	8.52
	4:05:00 PM	1.75	0.2	6.89	12.83	510	0.74	-21.9	6.54
	4:10:00 PM	2	0.2	6.91	12.86	511	0.72	-23	5.64
	4:15:00 PM	2.25	0.2	6.92	12.87	511	0.7	-23.4	5.3
	4:20:00 PM	2.5	0.2	6.93	12.89	508	0.69	-24.3	5.12
Final Field Parameters	4:25:00 PM	2.75	0.2	6.94	12.88	507	0.7	-24.9	4.89

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear. Slight odor. No sheen.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	4:30:00 PM	VOA-Glass	3	No
			Amber Glass	2	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	5	

General Sampling Comments Began purge at 15:40.

Signature _____

APPENDIX D

ANALYTICAL LABORATORY RESULTS

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 9, 2017

Heather Good
Maul Foster & Alongi, Inc.
Bay Vista Tower
2815 2nd Avenue, Suite 540
Seattle, WA 98121

Re: Analytical Data for Project 0747.01.07
Laboratory Reference No. 1704-232

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on April 25, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

Case Narrative

Samples were collected on April 24 and 25, 2017 and received by the laboratory on April 25, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW05-S-0.8**					
Laboratory ID:	04-232-01					
Gasoline Range Organics	**Detected**	22	NWTPH-HCID	4-27-17	4-27-17	
Diesel Range Organics	**Detected**	55	NWTPH-HCID	4-27-17	4-27-17	
Lube Oil	**Detected**	110	NWTPH-HCID	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*115*	*50-150*				
Client ID:	**MW05-S-2.3**					
Laboratory ID:	04-232-02					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	4-27-17	4-27-17	
Diesel Range Organics	**ND**	64	NWTPH-HCID	4-27-17	4-27-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*112*	*50-150*				
Client ID:	**MW05-S-5.5**					
Laboratory ID:	04-232-03					
Gasoline Range Organics	**ND**	27	NWTPH-HCID	4-27-17	4-27-17	
Diesel Range Organics	**ND**	68	NWTPH-HCID	4-27-17	4-27-17	
Lube Oil Range Organics	**ND**	140	NWTPH-HCID	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				
Client ID:	**MW07-S-1.2**					
Laboratory ID:	04-232-07					
Gasoline Range Organics	**ND**	30	NWTPH-HCID	4-27-17	4-28-17	
Diesel Range Organics	**ND**	76	NWTPH-HCID	4-27-17	4-28-17	
Lube Oil Range Organics	**ND**	150	NWTPH-HCID	4-27-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*116*	*50-150*				
Client ID:	**MW07-S-5.5**					
Laboratory ID:	04-232-08					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	4-27-17	4-28-17	
Diesel Range Organics	**ND**	65	NWTPH-HCID	4-27-17	4-28-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-27-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*120*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW07-S-6.5**					
Laboratory ID:	04-232-09					
Gasoline Range Organics	**ND**	27	NWTPH-HCID	4-27-17	4-27-17	
Diesel Range Organics	**ND**	67	NWTPH-HCID	4-27-17	4-27-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*111*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-HCID
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427S2					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	4-27-17	4-28-17	
Diesel Range Organics	**ND**	50	NWTPH-HCID	4-27-17	4-28-17	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	4-27-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-HCID
CONTINUING CALIBRATION SUMMARY

Lab ID	Instrument Response	True Value
SPCCV0427R-V1	23126521	10 ppm
SPCCV0428R-V1	23941696	10 ppm
SPCCV0428F-T1	41601501	10 ppm
SPCCV0428R-T1	21577719	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0427R-V2	100	101	-0.8	+/-15%
CCV0427R-V3	100	99.2	0.8	+/-15%
CCV0427R-V4	100	108	-8.5	+/-15%
CCV0428F-T1	100	90.4	9.6	+/-15%
CCV0428F-T2	100	103	-3.3	+/-15%
CCV0428R-T1	100	98.8	1.2	+/-15%
CCV0428R-T2	100	92.5	7.5	+/-15%
CCV0428R-V1	100	100.2	-0.2	+/-15%
CCV0428R-V2	100	86.3	13.7	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV0427R-V1	200	176	12	+/-15%
LOCCV0428R-T1	200	183	8	+/-15%
LOCCV0428F-T1	200	189	5	+/-15%
LOCCV0428R-V1	200	184	8	+/-15%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW05-S-0.8**					
Laboratory ID:	04-232-01					
Benzene	**ND**	0.020	EPA 8021B	5-2-17	5-3-17	
Toluene	**ND**	0.059	EPA 8021B	5-2-17	5-3-17	
Ethyl Benzene	**ND**	0.059	EPA 8021B	5-2-17	5-3-17	
m,p-Xylene	**ND**	0.059	EPA 8021B	5-2-17	5-3-17	
o-Xylene	**ND**	0.059	EPA 8021B	5-2-17	5-3-17	
Gasoline	**ND**	5.9	NWTPH-Gx	5-2-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*63-124*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0502S2					
Benzene	**ND**	0.020	EPA 8021B	5-2-17	5-2-17	
Toluene	**ND**	0.050	EPA 8021B	5-2-17	5-2-17	
Ethyl Benzene	**ND**	0.050	EPA 8021B	5-2-17	5-2-17	
m,p-Xylene	**ND**	0.050	EPA 8021B	5-2-17	5-2-17	
o-Xylene	**ND**	0.050	EPA 8021B	5-2-17	5-2-17	
Gasoline	**ND**	5.0	NWTPH-Gx	5-2-17	5-2-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*79*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-026-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*82*	*81*	*63-124*			
SPIKE BLANKS											
Laboratory ID:	SB0502S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.836**	**0.848**	1.00	1.00		**84**	**85**	70-124	1	12	
Toluene	**0.836**	**0.860**	1.00	1.00		**84**	**86**	73-119	3	12	
Ethyl Benzene	**0.847**	**0.877**	1.00	1.00		**85**	**88**	74-117	3	12	
m,p-Xylene	**0.865**	**0.876**	1.00	1.00		**87**	**88**	75-117	1	13	
o-Xylene	**0.853**	**0.877**	1.00	1.00		**85**	**88**	75-116	3	12	
Surrogate:											
Fluorobenzene						*80*	*80*	*63-124*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD0502G-1	5.00	4.64	7	+/- 20%
CCVD0502G-2	5.00	4.62	8	+/- 20%
CCVD0503G-1	5.00	4.69	6	+/- 20%
CCVD0503G-2	5.00	4.49	10	+/- 20%

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

BTEX by
EPA 8021B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Benzene	CCVD0502B-1	50.0	48.9	2	+/- 15%
Toluene	CCVD0502B-1	50.0	50.2	0	+/- 15%
Ethyl Benzene	CCVD0502B-1	50.0	51.1	-2	+/- 15%
m,p-Xylene	CCVD0502B-1	50.0	52.0	-4	+/- 15%
o-Xylene	CCVD0502B-1	50.0	50.8	-2	+/- 15%
Benzene	CCVD0502B-2	50.0	49.2	2	+/- 15%
Toluene	CCVD0502B-2	50.0	50.0	0	+/- 15%
Ethyl Benzene	CCVD0502B-2	50.0	51.0	-2	+/- 15%
m,p-Xylene	CCVD0502B-2	50.0	50.5	-1	+/- 15%
o-Xylene	CCVD0502B-2	50.0	50.7	-1	+/- 15%
Benzene	CCVD0503B-1	50.0	48.5	3	+/- 15%
Toluene	CCVD0503B-1	50.0	49.8	0	+/- 15%
Ethyl Benzene	CCVD0503B-1	50.0	50.6	-1	+/- 15%
m,p-Xylene	CCVD0503B-1	50.0	51.6	-3	+/- 15%
o-Xylene	CCVD0503B-1	50.0	50.5	-1	+/- 15%
Benzene	CCVD0503B-2	50.0	49.0	2	+/- 15%
Toluene	CCVD0503B-2	50.0	49.6	1	+/- 15%
Ethyl Benzene	CCVD0503B-2	50.0	50.8	-2	+/- 15%
m,p-Xylene	CCVD0503B-2	50.0	50.1	0	+/- 15%
o-Xylene	CCVD0503B-2	50.0	50.2	0	+/- 15%

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW06-S-1.2**					
Laboratory ID:	04-232-04					
Diesel Range Organics	**ND**	32	NWTPH-Dx	4-27-17	5-1-17	
Lube Oil Range Organics	**ND**	64	NWTPH-Dx	4-27-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW06-S-5.2**					
Laboratory ID:	04-232-05					
Diesel Range Organics	**ND**	33	NWTPH-Dx	4-27-17	4-27-17	
Lube Oil Range Organics	**ND**	66	NWTPH-Dx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				
Client ID:	**MW06-S-5.8**					
Laboratory ID:	04-232-06					
Diesel Range Organics	**ND**	34	NWTPH-Dx	4-27-17	4-28-17	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	4-27-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	4-27-17	4-27-17	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-254-01										
	ORIG	DUP									
Diesel Range Organics	**100**	**96.8**	NA	NA		NA		NA	3	NA	
Lube Oil Range Organics	**60.8**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*69*	*70*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB0427S1										
Diesel Fuel #2	**104**		100		NA	**104**		58-132	NA	NA	
Surrogate:											
o-Terphenyl						*107*		*50-150*			

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0428F-T1	100	90.4	9.6	+/-15%
CCV0428F-T2	100	103	-3.3	+/-15%
CCV0427R-V3	100	99.2	0.8	+/-15%
CCV0427R-V4	100	108	-8.5	+/-15%
CCV0428R-V1	100	100.2	-0.2	+/-15%
CCV0428R-V2	100	86.3	13.7	+/-15%
CCV0427F-T3	100	94.8	5.2	+/-15%
CCV0427F-T4	100	95.8	4.2	+/-15%
CCV0427R-T3	100	92.9	7.1	+/-15%
CCV0427R-T4	100	95.0	5.0	+/-15%
CCV0501F-T4	100	98.7	1.3	+/-15%
CCV0501F-T5	100	96.2	3.8	+/-15%

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW05-S-0.8**					
Laboratory ID:	04-232-01					
Diesel Range Organics	**140**	27	NWTPH-Dx	5-5-15	5-8-17	
Lube Oil	**530**	55	NWTPH-Dx	5-5-15	5-8-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0505S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	5-5-15	5-5-17	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	5-5-15	5-5-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-018-02									
	ORIG	DUP								
Diesel Fuel #2	**490**	**276**	NA	NA		NA	NA	56	NA	
Lube Oil	**599**	**255**	NA	NA		NA	NA	81	NA	
Surrogate:										
o-Terphenyl						*88* *77*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB0505S1									
Diesel Fuel #2	**126**		100		NA	**126**	58-132	NA	NA	
Surrogate:										
o-Terphenyl						*69*	*50-150*			

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0505F-T2	100	93.5	6.5	+/-15%
CCV0505F-T3	100	97.4	2.6	+/-15%
CCV0505R-T2	100	91.3	8.7	+/-15%
CCV0505R-T3	100	90.1	9.9	+/-15%
CCV0508F-T1	100	87.4	12.6	+/-15%
CCV0508F-T2	100	97.1	2.9	+/-15%
CCV0508R-T1	100	85.8	14.2	+/-15%
CCV0508R-T2	100	92.0	8.0	+/-15%
CCV0508F-V1	100	98.9	1.1	+/-15%
CCV0508F-V2	100	99.0	1.0	+/-15%

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW06-S-1.2**					
Laboratory ID:	04-232-04					
Naphthalene	**0.020**	0.0085	EPA 8270D/SIM	5-1-17	5-3-17	
2-Methylnaphthalene	**0.022**	0.0085	EPA 8270D/SIM	5-1-17	5-3-17	
1-Methylnaphthalene	**0.060**	0.0085	EPA 8270D/SIM	5-1-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*62*	*32 - 122*				
Pyrene-d10	*63*	*33 - 125*				
Terphenyl-d14	*62*	*36 - 118*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW06-S-5.2**					
Laboratory ID:	04-232-05					
Naphthalene	**ND**	0.0088	EPA 8270D/SIM	5-1-17	5-3-17	
2-Methylnaphthalene	**ND**	0.0088	EPA 8270D/SIM	5-1-17	5-3-17	
1-Methylnaphthalene	**ND**	0.0088	EPA 8270D/SIM	5-1-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*32 - 122*				
Pyrene-d10	*76*	*33 - 125*				
Terphenyl-d14	*74*	*36 - 118*				

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW06-S-5.8**					
Laboratory ID:	04-232-06					
Naphthalene	**ND**	0.0091	EPA 8270D/SIM	5-1-17	5-3-17	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	5-1-17	5-3-17	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	5-1-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*79*	*32 - 122*				
Pyrene-d10	*79*	*33 - 125*				
Terphenyl-d14	*77*	*36 - 118*				

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0501S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	5-1-17	5-3-17	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	5-1-17	5-3-17	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	5-1-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*84*	*32 - 122*				
Pyrene-d10	*85*	*33 - 125*				
Terphenyl-d14	*82*	*36 - 118*				

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0501S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0690**	**0.0730**	0.0833	0.0833	83	88	58 - 114	6	18	
Surrogate:										
2-Fluorobiphenyl					*89*	*92*	*32 - 122*			
Pyrene-d10					*90*	*94*	*33 - 125*			
Terphenyl-d14					*86*	*89*	*36 - 118*			

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Date of Report: May 9, 2017
Samples Submitted: April 25, 2017
Laboratory Reference: 1704-232
Project: 0747.01.07

% MOISTURE

Date Analyzed: 4-27-17

Client ID	Lab ID	% Moisture
MW05-S-0.8	04-232-01	9
MW05-S-2.3	04-232-02	22
MW05-S-5.5	04-232-03	26
MW06-S-1.2	04-232-04	21
MW06-S-5.2	04-232-05	25
MW06-S-5.8	04-232-06	27
MW07-S-1.2	04-232-07	34
MW07-S-5.5	04-232-08	23
MW07-S-6.5	04-232-09	25

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Maul Foster Alongi
Project Number: 0747.01.07
Project Name: N. Cascade Ford
Project Manager: Heather Good
Sampled by: Carolyn Wise

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 04-232

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID *	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Naphthalenes 8270 **				% Moisture
1	MW05-S-0.8	4/24/17	1340	S	5	X	(X)		(X)																		X
2	MW05-S-2.3	4/24/17	1345	S	5	X																					X
3	MW05-S-5.5	4/24/17	1350	S	5	X																					X
4	MW06-S-1.2	4/24/17	1507	S	1				X														X				X
5	MW06-S-5.2	4/24/17	1510	S	1				X														X				X
6	MW06-S-5.8	4/24/17	1512	S	1				X														X				X
7	MW07-S-1.2	4/25/17	835	S	2	X																					X
8	MW07-S-5.5	4/25/17	840	S	2	X																					X
9	MW07-S-6.5	4/25/17	845	S	2	X																					X
	Trip Blank	"	"																								

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	4/25/17	1300
Received	[illegible]	ALPHA	4/25/17	1300
Relinquished	Bruce P.	ALPHA	4/25/17	1400
Received	[illegible]	[illegible]	4/25/17	1400
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

* Run NWTPH-Gx & Dx follow-ups immediately if detection!

** 1-Methyl, 2-~~Methyl~~ Methyl, Naphthalene only.

☒ Added 5/1/17. DB (STA)

Data Package: Standard ☐ Level III ☒ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

Sample/Cooler Receipt and Acceptance Checklist

Client: MFA

Client Project Name/Number: 0747.01.07

OnSite Project Number: 04-232

Initiated by: MV

Date Initiated: 4/25/17

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	Yes	No		1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	Temperature: 1	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A		
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

2.4) Sample 2) MW05-S-23 on COC *
MW05-S-2.0 on labels

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 10, 2017

Heather Good
Maul Foster & Alongi, Inc.
1329 North State Street, Suite #301
Bellingham, WA 98225

Re: Analytical Data for Project 0747.01.07
Laboratory Reference No. 1704-253

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on April 26, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

Case Narrative

Samples were collected on April 25 and 26, 2017 and received by the laboratory on April 26, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH-Gx and Volatiles EPA 8260C (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

EDB by EPA 8011 Analysis

The percent recovery for the surrogate TCMX in the Spike Blank was 149%, above the quality control limits of 25 – 143%. Since the samples were non-detect for EDB and the surrogate recovery showed high bias, no further action was performed.

Semivolatiles EPA 8270D/SIM (water) Analysis

Sample GP78-W-10.0 had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-S-7.0**					
Laboratory ID:	04-253-01					
Gasoline Range Organics	**ND**	65	NWTPH-HCID	4-28-17	4-28-17	U1,
Diesel Range Organics	**Detected**	61	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	120	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				
Client ID:	**GP76-S-1.8**					
Laboratory ID:	04-253-11					
Gasoline Range Organics	**ND**	27	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	67	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**GP76-S-2.8**					
Laboratory ID:	04-253-12					
Gasoline Range Organics	**ND**	27	NWTPH-HCID	4-28-17	4-28-17	U1
Diesel Range Organics	**Detected**	67	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				
Client ID:	**GP76-S-7.0**					
Laboratory ID:	04-253-13					
Gasoline Range Organics	**Detected**	26	NWTPH-HCID	4-28-17	4-28-17	
Diesel Fuel #2	**Detected**	65	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**GP77-S-1.2**					
Laboratory ID:	04-253-15					
Gasoline Range Organics	**ND**	25	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	62	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	120	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP77-S-3.0**					
Laboratory ID:	04-253-16					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	65	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*65*	*50-150*				
Client ID:	**GP77-S-6.5**					
Laboratory ID:	04-253-17					
Gasoline Range Organics	**ND**	27	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	67	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**GP78-S-1.0**					
Laboratory ID:	04-253-19					
Gasoline Range Organics	**ND**	25	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	62	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**Detected**	120	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				
Client ID:	**GP78-S-2.5**					
Laboratory ID:	04-253-20					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	64	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*119*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-HCID
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S3					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	50	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-HCID
CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPCCV0428F-T1	41601501	10 ppm
SPCCV0428R-T1	21577719	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0428F-T1	100	90.4	9.6	+/-15%
CCV0428F-T2	100	103	-3.3	+/-15%
CCV0428F-T3	100	97	3.1	+/-15%
CCV0428F-T4	100	98	1.5	+/-15%
CCV0428F-T5	100	98	1.9	+/-15%
CCV0428F-T6	100	103	-2.9	+/-15%
CCV0428R-T1	100	98.8	1.2	+/-15%
CCV0428R-T2	100	92.5	7.5	+/-15%
CCV0428R-T3	100	93.4	6.6	+/-15%
CCV0428R-T4	100	95.1	4.9	+/-15%
CCV0428R-T5	100	95.8	4.2	+/-15%
CCV0428R-T6	100	98.8	1.2	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV0428R-T1	200	183	8	+/-15%
LOCCV0428F-T1	200	189	5	+/-15%

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Project: 0747.01.07

NWTPH-HCID

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-W-10.0**					
Laboratory ID:	04-253-02					
Gasoline Range Organics	**ND**	0.10	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	0.26	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	0.41	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*106*	*50-150*				
Client ID:	**GP76-W-10.0**					
Laboratory ID:	04-253-14					
Gasoline Range Organics	**Detected**	0.10	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**Detected**	0.26	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	0.42	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				
Client ID:	**GP77-W-10.0**					
Laboratory ID:	04-253-18					
Gasoline Range Organics	**ND**	0.10	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	0.26	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	0.42	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-HCID
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428W1					
Gasoline Range Organics	**ND**	0.10	NWTPH-HCID	4-28-17	4-28-17	
Diesel Range Organics	**ND**	0.25	NWTPH-HCID	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	0.40	NWTPH-HCID	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-HCID
CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPCCV0428R-V1	23941696	10 ppm
SPCCV0428F-T1	41601501	10 ppm
SPCCV0428R-T1	21577719	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0428F-T1	100	90.4	9.6	+/-15%
CCV0428F-T2	100	103	-3.3	+/-15%
CCV0428F-T3	100	97	3.1	+/-15%
CCV0428F-T4	100	98	1.5	+/-15%
CCV0428F-T5	100	98	1.9	+/-15%
CCV0428F-T6	100	103	-2.9	+/-15%
CCV0428R-T1	100	98.8	1.2	+/-15%
CCV0428R-T2	100	92.5	7.5	+/-15%
CCV0428R-T3	100	93.4	6.6	+/-15%
CCV0428R-T4	100	95.1	4.9	+/-15%
CCV0428R-T5	100	95.8	4.2	+/-15%
CCV0428R-T6	100	98.8	1.2	+/-15%
CCV0428R-V1	100	100.2	-0.2	+/-15%
CCV0428R-V2	100	86.3	13.7	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV0428R-T1	200	183	8	+/-15%
LOCCV0428F-T1	200	189	5	+/-15%
LOCCV0428R-V1	200	184	8	+/-15%

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-1.8**					
Laboratory ID:	04-253-11					
Methyl t-Butyl Ether	ND	0.0014	EPA 8260C	4-27-17	4-27-17	
Benzene	0.081	0.0014	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	4-27-17	4-27-17	
Toluene	0.026	0.0070	EPA 8260C	4-27-17	4-27-17	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	0.46	0.086	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	1.2	0.17	EPA 8260C	4-27-17	4-27-17	
o-Xylene	0.053	0.0014	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*73-134*				
Toluene-d8	*103*	*81-124*				
4-Bromofluorobenzene	*91*	*80-131*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-2.8**					
Laboratory ID:	04-253-12					
Methyl t-Butyl Ether	ND	0.0013	EPA 8260C	4-27-17	4-27-17	
Benzene	0.0070	0.0013	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0067	EPA 8260C	4-27-17	4-27-17	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	0.12	0.0013	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	0.086	0.0027	EPA 8260C	4-27-17	4-27-17	
o-Xylene	0.0052	0.0013	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*73-134*				
Toluene-d8	*109*	*81-124*				
4-Bromofluorobenzene	*120*	*80-131*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-7.0**					
Laboratory ID:	04-253-13					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Benzene	0.0022	0.0010	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0051	EPA 8260C	4-27-17	4-27-17	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	0.15	0.0010	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	0.0075	0.0020	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*73-134*				
Toluene-d8	*108*	*81-124*				
4-Bromofluorobenzene	*116*	*80-131*				

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Date of Report: May 10, 2017
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Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0427S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Benzene	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0050	EPA 8260C	4-27-17	4-27-17	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.0020	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*73-134*				
Toluene-d8	*105*	*81-124*				
4-Bromofluorobenzene	*114*	*80-131*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0427S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0440**	**0.0429**	0.0500	0.0500	88	86	66-127	3	15	
Benzene	**0.0470**	**0.0469**	0.0500	0.0500	94	94	76-122	0	15	
Trichloroethene	**0.0492**	**0.0509**	0.0500	0.0500	98	102	78-120	3	15	
Toluene	**0.0526**	**0.0539**	0.0500	0.0500	105	108	83-120	2	15	
Chlorobenzene	**0.0531**	**0.0515**	0.0500	0.0500	106	103	81-120	3	15	
Surrogate:										
Dibromofluoromethane					*87*	*85*	*73-134*			
Toluene-d8					*97*	*98*	*81-124*			
4-Bromofluorobenzene					*106*	*106*	*80-131*			

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Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-S-7.0**					
Laboratory ID:	04-253-01					
Benzene	ND	0.00098	EPA 8260C	4-28-17	4-28-17	
Toluene	ND	0.0049	EPA 8260C	4-28-17	4-28-17	
Ethylbenzene	ND	0.00098	EPA 8260C	4-28-17	4-28-17	
m,p-Xylene	0.0024	0.0020	EPA 8260C	4-28-17	4-28-17	
o-Xylene	0.0037	0.00098	EPA 8260C	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*120*	*73-134*				
Toluene-d8	*101*	*81-124*				
4-Bromofluorobenzene	*113*	*80-131*				

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Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP77-S-1.2**					
Laboratory ID:	04-253-15					
Benzene	ND	0.0012	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0059	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.067	EPA 8260C	4-28-17	4-28-17	
m,p-Xylene	ND	0.13	EPA 8260C	4-28-17	4-28-17	
o-Xylene	ND	0.067	EPA 8260C	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*73-134*				
Toluene-d8	*99*	*81-124*				
4-Bromofluorobenzene	*102*	*80-131*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP77-S-3.0**					
Laboratory ID:	04-253-16					
Benzene	ND	0.0012	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0058	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.0012	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.0023	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.0012	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*73-134*				
Toluene-d8	*104*	*81-124*				
4-Bromofluorobenzene	*117*	*80-131*				

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Laboratory Reference: 1704-253
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BTEX
EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP77-S-6.5**					
Laboratory ID:	04-253-17					
Benzene	ND	0.0013	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0064	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.0013	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.0026	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.0013	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*73-134*				
Toluene-d8	*106*	*81-124*				
4-Bromofluorobenzene	*113*	*80-131*				

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Project: 0747.01.07

BTEX
EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-S-1.0**					
Laboratory ID:	04-253-19					
Benzene	ND	0.00092	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0046	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.00092	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.0018	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.00092	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*73-134*				
Toluene-d8	*98*	*81-124*				
4-Bromofluorobenzene	*76*	*80-131*				Q

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-S-2.5**					
Laboratory ID:	04-253-20					
Benzene	ND	0.00084	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0042	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.00084	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.0017	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.00084	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*73-134*				
Toluene-d8	*106*	*81-124*				
4-Bromofluorobenzene	*116*	*80-131*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0427S1					
Benzene	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	0.0050	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.0020	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.0010	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*73-134*				
Toluene-d8	*105*	*81-124*				
4-Bromofluorobenzene	*114*	*80-131*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0428S1					
Benzene	ND	0.0010	EPA 8260C	4-28-17	4-28-17	
Toluene	ND	0.0050	EPA 8260C	4-28-17	4-28-17	
Ethylbenzene	ND	0.0010	EPA 8260C	4-28-17	4-28-17	
m,p-Xylene	ND	0.0020	EPA 8260C	4-28-17	4-28-17	
o-Xylene	ND	0.0010	EPA 8260C	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*73-134*				
Toluene-d8	*111*	*81-124*				
4-Bromofluorobenzene	*109*	*80-131*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0427S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0440**	**0.0429**	0.0500	0.0500	88	86	66-127	3	15	
Benzene	**0.0470**	**0.0469**	0.0500	0.0500	94	94	76-122	0	15	
Trichloroethene	**0.0492**	**0.0509**	0.0500	0.0500	98	102	78-120	3	15	
Toluene	**0.0526**	**0.0539**	0.0500	0.0500	105	108	83-120	2	15	
Chlorobenzene	**0.0531**	**0.0515**	0.0500	0.0500	106	103	81-120	3	15	
Surrogate:										
Dibromofluoromethane					*87*	*85*	*73-134*			
Toluene-d8					*97*	*98*	*81-124*			
4-Bromofluorobenzene					*106*	*106*	*80-131*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0428S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0529**	**0.0544**	0.0500	0.0500	106	109	66-127	3	15	
Benzene	**0.0511**	**0.0537**	0.0500	0.0500	102	107	76-122	5	15	
Trichloroethene	**0.0523**	**0.0528**	0.0500	0.0500	105	106	78-120	1	15	
Toluene	**0.0550**	**0.0545**	0.0500	0.0500	110	109	83-120	1	15	
Chlorobenzene	**0.0522**	**0.0525**	0.0500	0.0500	104	105	81-120	1	15	
Surrogate:										
Dibromofluoromethane					*97*	*108*	*73-134*			
Toluene-d8					*101*	*103*	*81-124*			
4-Bromofluorobenzene					*101*	*110*	*80-131*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-W-10.0**					
Laboratory ID:	04-253-02					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Benzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	1.0	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.40	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*77-129*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*93*	*80-125*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blanks**					
Laboratory ID:	04-253-05					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Benzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	1.0	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.40	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*77-129*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*89*	*80-125*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-W-10.0**					
Laboratory ID:	04-253-14					
Methyl t-Butyl Ether	ND	2.0	EPA 8260C	4-27-17	4-27-17	
Benzene	5.8	2.0	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	2.0	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	10	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	230	2.0	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	7.4	4.0	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	2.0	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*77-129*				
Toluene-d8	*96*	*80-127*				
4-Bromofluorobenzene	*96*	*80-125*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

BTEX
EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP77-W-10.0**					
Laboratory ID:	04-253-18					
Benzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	1.0	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.40	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*77-129*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*95*	*80-125*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0427W1					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Benzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Toluene	ND	1.0	EPA 8260C	4-27-17	4-27-17	
Ethylbenzene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
m,p-Xylene	ND	0.40	EPA 8260C	4-27-17	4-27-17	
o-Xylene	ND	0.20	EPA 8260C	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*87*	*77-129*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*95*	*80-125*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0427W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**8.60**	**8.62**	10.0	10.0	86	86	63-127	0	17	
Benzene	**9.26**	**9.35**	10.0	10.0	93	94	76-121	1	12	
Trichloroethene	**9.45**	**9.53**	10.0	10.0	95	95	64-120	1	15	
Toluene	**9.70**	**10.0**	10.0	10.0	97	100	82-120	3	13	
Chlorobenzene	**9.67**	**9.84**	10.0	10.0	97	98	80-120	2	14	
Surrogate:										
Dibromofluoromethane					*89*	*88*	*77-129*			
Toluene-d8					*102*	*103*	*80-127*			
4-Bromofluorobenzene					*94*	*97*	*80-125*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW05-GW-042617**					
Laboratory ID:	04-253-08					
Gasoline	**490**	100	NWTPH-Gx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*61-118*				
Client ID:	**MW01-GW-042617**					
Laboratory ID:	04-253-09					
Gasoline	**ND**	100	NWTPH-Gx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*61-118*				
Client ID:	**MWDUP-GW-042617**					
Laboratory ID:	04-253-10					
Gasoline	**ND**	100	NWTPH-Gx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*61-118*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427W1					
Gasoline	**ND**	100	NWTPH-Gx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-253-09										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*91*	*91*	*61-118*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVH0427G-1	5.00	5.91	-18	+/- 20%
CCVH0427G-2	5.00	5.67	-13	+/- 20%

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-7.0**					
Laboratory ID:	04-253-13					
Gasoline	**420**	7.7	NWTPH-Gx	4-27-17	4-27-17	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*63-124*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427S1					
Gasoline	**ND**	5.0	NWTPH-Gx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*76*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-253-11										
	ORIG	DUP									
Gasoline	**29.6**	**31.8**	NA	NA		NA		NA	7	30	
Surrogate:											
Fluorobenzene						*106*	*105*	*63-124*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD0427G-1	5.00	4.10	18	+/- 20%
CCVD0427G-2	5.00	4.19	16	+/- 20%

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-W-10.0**					
Laboratory ID:	04-253-14					
Gasoline	**6900**	400	NWTPH-Gx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*61-118*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427W2					
Gasoline	**ND**	100	NWTPH-Gx	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*76*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-253-02										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*77*	*79*	*61-118*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD0427G-1	5.00	4.10	18	+/- 20%
CCVD0427G-2	5.00	4.19	16	+/- 20%

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-S-7.0**					
Laboratory ID:	04-253-01					
Diesel Fuel #2	**1400**	31	NWTPH-Dx	5-3-17	5-4-17	
Lube Oil Range Organics	**ND**	140	NWTPH-Dx	5-3-17	5-4-17	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				
Client ID:	**GP76-S-2.8**					
Laboratory ID:	04-253-12					
Diesel Fuel #2	**130**	33	NWTPH-Dx	5-3-17	5-4-17	
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	5-3-17	5-4-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*76*	*50-150*				
Client ID:	**GP76-S-7.0**					
Laboratory ID:	04-253-13					
Diesel Fuel #2	**510**	33	NWTPH-Dx	5-3-17	5-4-17	
Lube Oil Range Organics	**ND**	65	NWTPH-Dx	5-3-17	5-4-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*76*	*50-150*				
Client ID:	**GP78-S-1.0**					
Laboratory ID:	04-253-19					
Diesel Range Organics	**120**	31	NWTPH-Dx	5-3-17	5-4-17	N
Lube Oil Range Organics	**320**	62	NWTPH-Dx	5-3-17	5-4-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*61*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	5-3-17	5-3-17	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	5-3-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	04-282-01									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*89* *93*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB0503S1									
Diesel Fuel #2	**96.3**		100		NA	**96**	58-132	NA	NA	
Surrogate:										
o-Terphenyl						*109*	*50-150*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0504F-T1	100	89.2	10.8	+/-15%
CCV0504F-T2	100	94.3	5.7	+/-15%
CCV0504F-V1	100	92.0	8.0	+/-15%
CCV0504F-V2	100	97.6	2.4	+/-15%
CCV0504R-T1	100	90.1	9.9	+/-15%
CCV0504R-T2	100	88.8	11.2	+/-15%
CCV0503R-T1	100	90.7	9.3	+/-15%
CCV0503R-T2	100	91.9	8.1	+/-15%
CCV0503F-T1	100	91.4	8.6	+/-15%
CCV0503F-T2	100	94.2	5.8	+/-15%

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP74-W-9.0**					
Laboratory ID:	04-253-03					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**GP75-W-10.0**					
Laboratory ID:	04-253-04					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Client ID:	**MW02R-GW-042617**					
Laboratory ID:	04-253-06					
Diesel Range Organics	**0.75**	0.26	NWTPH-Dx	5-2-17	5-3-17	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	5-2-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				
Client ID:	**MW04-GW-042617**					
Laboratory ID:	04-253-07					
Diesel Range Organics	**0.26**	0.26	NWTPH-Dx	5-2-17	5-3-17	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	5-2-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				
Client ID:	**MW05-GW-042617**					
Laboratory ID:	04-253-08					
Diesel Range Organics	**1.3**	0.26	NWTPH-Dx	5-2-17	5-2-17	
Lube Oil Range Organics	**1.1**	0.41	NWTPH-Dx	5-2-17	5-2-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				
Client ID:	**MW01-GW-042617**					
Laboratory ID:	04-253-09					
Diesel Range Organics	**0.62**	0.26	NWTPH-Dx	5-2-17	5-3-17	
Lube Oil Range Organics	**0.51**	0.41	NWTPH-Dx	5-2-17	5-3-17	N1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MWDUP-GW-042617**					
Laboratory ID:	04-253-10					
Diesel Range Organics	**0.56**	0.26	NWTPH-Dx	5-2-17	5-4-17	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	5-2-17	5-4-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*21*	*50-150*				
Client ID:	**GP76-W-10.0**					
Laboratory ID:	04-253-14					
Diesel Range Organics	**2.8**	0.26	NWTPH-Dx	4-28-17	4-28-17	M
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	4-28-17	4-28-17	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	4-28-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Laboratory ID:	MB0502W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	5-2-17	5-3-17	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	5-2-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*81*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-253-03										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*107*	*100*	*50-150*			
Laboratory ID:	04-253-06										
	ORIG	DUP									
Diesel Range Organics	**0.752**	**0.637**	NA	NA		NA		NA	17	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*86*	*71*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB0428W1										
Diesel Fuel #2	**0.879**		1.00		NA	**88**		58-113	NA	NA	
Surrogate:											
o-Terphenyl						*89*		*50-150*			
Laboratory ID:	SB0502W1										
Diesel Fuel #2	**0.839**		1.00		NA	**84**		58-113	NA	NA	
Surrogate:											
o-Terphenyl						*72*		*50-150*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0501F-T1	100	103	-2.8	+/-15%
CCV0501F-T2	100	95.4	4.6	+/-15%
CCV0501F-T3	100	95.5	4.5	+/-15%
CCV0501F-T4	100	98.7	1.3	+/-15%
CCV0501R-T1	100	101	-1.4	+/-15%
CCV0501R-T2	100	94.1	5.9	+/-15%
CCV0501R-T3	100	93.9	6.1	+/-15%
CCV0501R-T4	100	91.3	8.7	+/-15%
CCV0501R-V1	100	101	-1.3	+/-15%
CCV0501R-V1	100	103	-3.0	+/-15%
CCV0501R-V2	100	109	-9.1	+/-15%
CCV0501R-V3	100	96.7	3.3	+/-15%
CCV0501R-V4	100	98.7	1.3	+/-15%
CCV0502F-T5	100	96.2	3.8	+/-15%
CCV0502F-T6	100	97.1	2.9	+/-15%
CCV0502F-V1	100	91.0	9.0	+/-15%
CCV0502F-V2	100	89.6	10.4	+/-15%
CCV0502F-V3	100	95.9	4.1	+/-15%
CCV0502R-T5	100	95.2	4.8	+/-15%
CCV0502R-T6	100	93.2	6.8	+/-15%
CCV0502R-V5	100	97.3	2.7	+/-15%
CCV0502R-V6	100	99.6	0.4	+/-15%
CCV0428F-T1	100	90.4	9.6	+/-15%
CCV0428F-T2	100	103	-3.3	+/-15%
CCV0428F-T3	100	96.9	3.1	+/-15%
CCV0428F-T4	100	98.5	1.5	+/-15%
CCV0428F-T5	100	98.1	1.9	+/-15%
CCV0428F-T6	100	103	-2.9	+/-15%
CCV0428R-V1	100	100	-0.2	+/-15%
CCV0428R-V2	100	86.3	13.7	+/-15%
CCV0428R-T1	100	92.0	8.0	+/-15%
CCV0428R-T2	100	92.5	7.5	+/-15%
CCV0428R-T3	100	93.4	6.6	+/-15%
CCV0428R-T4	100	95.1	4.9	+/-15%
CCV0428R-T5	100	95.8	4.2	+/-15%
CCV0428R-T6	100	98.8	1.2	+/-15%
CCV0503R-T1	100	90.7	9.3	+/-15%
CCV0503R-T2	100	91.9	8.1	+/-15%
CCV0503F-T1	100	91.4	8.6	+/-15%
CCV0503F-T2	100	94.2	5.8	+/-15%
CCV0503R-V1	100	97.1	2.9	+/-15%
CCV0503R-V2	100	96.6	3.4	+/-15%

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-1.8**					
Laboratory ID:	04-253-11					
Naphthalene	**0.70**	0.0089	EPA 8270D/SIM	4-27-17	4-28-17	
2-Methylnaphthalene	**1.1**	0.0089	EPA 8270D/SIM	4-27-17	4-28-17	
1-Methylnaphthalene	**0.72**	0.0089	EPA 8270D/SIM	4-27-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*83*	*32 - 122*				
Pyrene-d10	*62*	*33 - 125*				
Terphenyl-d14	*73*	*36 - 118*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-2.8**					
Laboratory ID:	04-253-12					
Naphthalene	**0.19**	0.0089	EPA 8270D/SIM	4-27-17	4-28-17	
2-Methylnaphthalene	**1.1**	0.044	EPA 8270D/SIM	4-27-17	5-1-17	
1-Methylnaphthalene	**0.78**	0.0089	EPA 8270D/SIM	4-27-17	4-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*89*	*32 - 122*				
Pyrene-d10	*77*	*33 - 125*				
Terphenyl-d14	*76*	*36 - 118*				

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Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-7.0**					
Laboratory ID:	04-253-13					
Naphthalene	**1.5**	0.087	EPA 8270D/SIM	4-27-17	5-1-17	
2-Methylnaphthalene	**3.2**	0.087	EPA 8270D/SIM	4-27-17	5-1-17	
1-Methylnaphthalene	**1.9**	0.087	EPA 8270D/SIM	4-27-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*75*	*32 - 122*				
Pyrene-d10	*80*	*33 - 125*				
Terphenyl-d14	*68*	*36 - 118*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0427S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	4-27-17	4-27-17	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	4-27-17	4-27-17	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*61*	*32 - 122*				
Pyrene-d10	*59*	*33 - 125*				
Terphenyl-d14	*65*	*36 - 118*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0427S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0733**	**0.0704**	0.0833	0.0833	88	85	58 - 114	4	18	
Surrogate:										
2-Fluorobiphenyl					*107*	*102*	*32 - 122*			
Pyrene-d10					*95*	*98*	*33 - 125*			
Terphenyl-d14					*93*	*98*	*36 - 118*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-W-10.0**					
Laboratory ID:	04-253-14					
Naphthalene	**180**	9.5	EPA 8270D/SIM	4-28-17	5-1-17	
2-Methylnaphthalene	**150**	9.5	EPA 8270D/SIM	4-28-17	5-1-17	
1-Methylnaphthalene	**98**	9.5	EPA 8270D/SIM	4-28-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*94*	*30 - 124*				
Pyrene-d10	*95*	*40 - 143*				
Terphenyl-d14	*104*	*27 - 127*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0428W1					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	4-28-17	5-1-17	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	4-28-17	5-1-17	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	4-28-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*82*	*30 - 124*				
Pyrene-d10	*87*	*40 - 143*				
Terphenyl-d14	*84*	*27 - 127*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0428W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.350**	**0.426**	0.500	0.500	70	85	29 - 101	20	47	
Surrogate:										
2-Fluorobiphenyl					*72*	*88*	*30 - 124*			
Pyrene-d10					*87*	*90*	*40 - 143*			
Terphenyl-d14					*88*	*94*	*27 - 127*			

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-S-7.0**					
Laboratory ID:	04-253-01					
Naphthalene	**0.11**	0.0082	EPA 8270D/SIM	5-5-17	5-8-17	
2-Methylnaphthalene	**0.017**	0.0082	EPA 8270D/SIM	5-5-17	5-8-17	
1-Methylnaphthalene	**0.013**	0.0082	EPA 8270D/SIM	5-5-17	5-8-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*70*	*32 - 122*				
Pyrene-d10	*78*	*33 - 125*				
Terphenyl-d14	*91*	*36 - 118*				

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Date of Report: May 10, 2017
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Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP77-S-6.5**					
Laboratory ID:	04-253-17					
Naphthalene	**ND**	0.0089	EPA 8270D/SIM	5-5-17	5-8-17	
2-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	5-5-17	5-8-17	
1-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	5-5-17	5-8-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*74*	*32 - 122*				
Pyrene-d10	*87*	*33 - 125*				
Terphenyl-d14	*97*	*36 - 118*				

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Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-S-1.0**					
Laboratory ID:	04-253-19					
Naphthalene	**0.30**	0.0083	EPA 8270D/SIM	5-5-17	5-8-17	
2-Methylnaphthalene	**0.37**	0.0083	EPA 8270D/SIM	5-5-17	5-8-17	
1-Methylnaphthalene	**0.32**	0.0083	EPA 8270D/SIM	5-5-17	5-8-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*68*	*32 - 122*				
Pyrene-d10	*67*	*33 - 125*				
Terphenyl-d14	*80*	*36 - 118*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0505S2					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	5-5-17	5-8-17	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	5-5-17	5-8-17	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	5-5-17	5-8-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*104*	*32 - 122*				
Pyrene-d10	*106*	*33 - 125*				
Terphenyl-d14	*118*	*36 - 118*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-068-06										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0677**	**0.0654**	0.0833	0.0833	ND	81	79	39 - 112	3	27	
Surrogate:											
2-Fluorobiphenyl						*83*	*81*	*32 - 122*			
Pyrene-d10						*92*	*90*	*33 - 125*			
Terphenyl-d14						*102*	*99*	*36 - 118*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-W-10.0**					
Laboratory ID:	04-253-02					
Naphthalene	**ND**	0.098	EPA 8270D/SIM	5-2-17	5-4-17	
2-Methylnaphthalene	**ND**	0.098	EPA 8270D/SIM	5-2-17	5-4-17	
1-Methylnaphthalene	**ND**	0.098	EPA 8270D/SIM	5-2-17	5-4-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*31*	*30 - 124*				
Pyrene-d10	*33*	*40 - 143*				Q
Terphenyl-d14	*32*	*27 - 127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP77-W-10.0**					
Laboratory ID:	04-253-18					
Naphthalene	**ND**	0.094	EPA 8270D/SIM	5-2-17	5-4-17	
2-Methylnaphthalene	**ND**	0.094	EPA 8270D/SIM	5-2-17	5-4-17	
1-Methylnaphthalene	**ND**	0.094	EPA 8270D/SIM	5-2-17	5-4-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*81*	*30 - 124*				
Pyrene-d10	*79*	*40 - 143*				
Terphenyl-d14	*89*	*27 - 127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0502W1					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	5-2-17	5-4-17	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	5-2-17	5-4-17	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	5-2-17	5-4-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*71*	*30 - 124*				
Pyrene-d10	*88*	*40 - 143*				
Terphenyl-d14	*87*	*27 - 127*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

NAPHTHALENES EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0502W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.369**	**0.388**	0.500	0.500	74	78	29 - 101	5	47	
Surrogate:										
2-Fluorobiphenyl					*78*	*81*	*30 - 124*			
Pyrene-d10					*87*	*90*	*40 - 143*			
Terphenyl-d14					*85*	*86*	*27 - 127*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

N-HEXANE
EPA 8015M

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP76-S-1.8**					
Laboratory ID:	04-253-11					
n-Hexane	**0.82**	0.081	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*63-124*				
Client ID:	**GP76-S-2.8**					
Laboratory ID:	04-253-12					
n-Hexane	**0.094**	0.077	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*63-124*				
Client ID:	**GP76-S-7.0**					
Laboratory ID:	04-253-13					
n-Hexane	**7.1**	0.077	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*63-124*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

N-HEXANE
EPA 8015M
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427S1					
n-Hexane	**ND**	0.050	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-253-11										
	ORIG	DUP									
n-Hexane	**0.612**	**0.616**	NA	NA		NA		NA	1	30	
Surrogate:											
Fluorobenzene						*106*	*105*	*63-124*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

n-HEXANE
EPA 8015M

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-W-10.0**					
Laboratory ID:	04-253-02					
n-Hexane	**ND**	1.0	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*61-118*				
Client ID:	**Trip Blanks**					
Laboratory ID:	04-253-05					
n-Hexane	**ND**	1.0	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*61-118*				
Client ID:	**GP76-W-10.0**					
Laboratory ID:	04-253-14					
n-Hexane	**76**	4.0	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*61-118*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

n-HEXANE
EPA 8015M
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427W2					
n-Hexane	**ND**	1.0	EPA 8015M	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-253-02										
	ORIG	DUP									
n-Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*102*	*100*	*61-118*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP78-W-10.0**					
Laboratory ID:	04-253-02					
EDB	**ND**	0.0095	EPA 8011	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*87*	*25-143*				
Client ID:	**Trip Blanks**					
Laboratory ID:	04-253-05					
EDB	**ND**	0.0097	EPA 8011	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*102*	*25-143*				
Client ID:	**GP76-W-10.0**					
Laboratory ID:	04-253-14					
EDB	**ND**	0.0096	EPA 8011	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*61*	*25-143*				

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Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

1,2-DIBROMOETHANE (EDB)
EPA 8011
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0427W1					
EDB	**ND**	0.010	EPA 8011	4-27-17	4-27-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*135*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0427W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.112**	**0.108**	0.100	0.100	N/A	**112**	**108**	77-128	4	15	
DBCP	**0.125**	**0.116**	0.100	0.100	N/A	**125**	**116**	80-125	7	15	
Surrogate:											
TCMX						*149*	*133*	*25-143*			Q

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2017
Samples Submitted: April 26, 2017
Laboratory Reference: 1704-253
Project: 0747.01.07

% MOISTURE

Date Analyzed: 4-27-17

Client ID	Lab ID	% Moisture
GP78-S-7.0	04-253-01	18
GP76-S-1.8	04-253-11	25
GP76-S-2.8	04-253-12	25
GP76-S-7.0	04-253-13	23
GP77-S-1.2	04-253-15	19
GP77-S-3.0	04-253-16	23
GP77-S-6.5	04-253-17	25
GP78-S-1.0	04-253-19	20
GP78-S-2.5	04-253-20	21

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 04-253

Company: Maul Foster Alongi
Project Number: 0747.01.07
Project Name: N. Cascade Ford
Project Manager: Heather Good
Sampled by: Carolyn Wise

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID Δ	~~NWTPH-Gx/BTEX~~ BTEX 8260	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C ★	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	~~PCBs 8082A~~ Naphthalenes 8270	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	n-hexane	EDB EPA 8011				% Moisture
1	GP78-S-7.0	4/25/17	1710	S	4	X	X	⊗ NWTPH-Gx ND	⊗					X													X
2	GP78-W-10.0	↓	1730	W	11	X		NWTPH-Gx ND		X				X								X	X				
3	GP74-W-9.0		1340	W	2				X																		
4	GP75-W-10.0	↓	1415	W	2				X																		
5	Trip Blanks	4/25/17	–	W	3					X												X	X				
6	MW02R-GW-042617	4/26/17	845	W	2				X																		
7	MW04-GW-042617	4/26/17	945	W	2				X																		
8	MW05-GW-042617	4/26/17	1045	W	4			X	X																		
9	MW01-GW-042617		1230	W	4			X	X																		
10	MWDUP-GW-042617	↓	1230	W	4			X	X																		

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	4/26/17	1310
Received		Alpha courier	4/26/17	1:15pm
Relinquished		Alpha courier	4/26/17	3:00pm
Received			4/26/17	1500
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
★ Volatiles include BTEX, MTBE, EDC
Δ Run follow-ups NWTPH-Gx and Dx immediately if detection. ⊗ Added 5/1/17. DB (STA)

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☒ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ Equis

Chain of Custody

Page 2 of 2

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 04-253

Company: Maul Foster Alongi
Project Number: 0747.01.07
Project Name: N. Cascade Ford
Project Manager: Heather Good
Sampled by: Carolyn Wise

Turnaround Request (in working days)
(Check One)
☐ Same Day ~~1 Day~~
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☒ *1 Day (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID △	~~NWTPH-Gx/BTEX~~ 8260	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C ★*	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A Naphthalenes*	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	n-hexane*	EDB * 8011				% Moisture
11	GP76-S-1.8	4/25/17	1500	S	4	X				X				X								X	X				X
12	GP76-S-2.8		1505	S	4	X			⊗	X				X								X	X				X
13	GP76-S-7.0		1510	S	4	X		⊗	⊗	X				X								X	X				X
14	GP76-W-10.0		1520	W	11	X		⊗	⊗	X				X								X	X				
15	GP77-S-1.2		1610	S	4	X	X																				X
16	GP77-S-3.0		1615	S	4	X	X																				X
17	GP77-S-6.5		1620	S	4	X	X							⊗													X
18	GP77-W-10.0		1630	W	11	X	X							⊗													
19	GP78-S-1.0		1700	S	5	X	X		⊗					⊗													X
20	GP78-S-2.5	↓	1705	S	5	X	X																				X

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	4/26/17	1310
Received	[illegible]	Alpha courier	4/26/17	1:15pm
Relinquished	[illegible]	Alpha courier	4/26/17	3:00pm
Received	[illegible]	[illegible]	4/27/17	1520
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*1-Day turnaround.
★Volatiles include BTEX, MTBE, EDB.
△Run NWTPH-Dx & Gx follow-up immediately if detection.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☒ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ Equis 4

Sample/Cooler Receipt and Acceptance Checklist

Client: MFA

Client Project Name/Number: 07470107

OnSite Project Number: 04-253

Initiated by: Barr Goodrow

Date Initiated: 4/26/17

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No		1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	Temperature: 2°, 4°C		
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	Client	(Courier)	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No	1 2 3 4	
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4	
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No	1 2 3 4	
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No	1 2 3 4	
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4	
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4	

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4	
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4	
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4	
3.4 Have the samples been correctly preserved?	(Yes)	No	N/A	1 2 3 4	
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	(Yes)	No	N/A	1 2 3 4	
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4	
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4	
3.8 Was method 5035A used?	(Yes)	No	N/A	1 2 3 4	
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	# 1		N/A	1 2 3 4	

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 5, 2017

Heather Good
Maul Foster & Alongi, Inc.
1329 North State Street, Suite #301
Bellingham, WA 98225

Re: Analytical Data for Project 0747.01.07
Laboratory Reference No. 1704-264

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on April 27, 2017.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2017
Samples Submitted: April 27, 2017
Laboratory Reference: 1704-264
Project: 0747.01.07

Case Narrative

Samples were collected on April 26, 2017 and received by the laboratory on April 27, 2017. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2017
Samples Submitted: April 27, 2017
Laboratory Reference: 1704-264
Project: 0747.01.07

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW07-GW-042617**					
Laboratory ID:	04-264-01					
Gasoline	**ND**	100	NWTPH-Gx	5-3-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*61-118*				
Client ID:	**MW08-GW-042617**					
Laboratory ID:	04-264-03					
Gasoline	**ND**	400	NWTPH-Gx	5-3-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*61-118*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2017
Samples Submitted: April 27, 2017
Laboratory Reference: 1704-264
Project: 0747.01.07

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503W1					
Gasoline	**ND**	100	NWTPH-Gx	5-3-17	5-3-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-264-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*93*	*61-118*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2017
Samples Submitted: April 27, 2017
Laboratory Reference: 1704-264
Project: 0747.01.07

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD0503G-1	5.00	4.69	6	+/- 20%
CCVD0503G-2	5.00	4.49	10	+/- 20%

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2017
Samples Submitted: April 27, 2017
Laboratory Reference: 1704-264
Project: 0747.01.07

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW07-GW-042617**					
Laboratory ID:	04-264-01					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	4-28-17	5-1-17	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	4-28-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				
Client ID:	**MW06-GW-042617**					
Laboratory ID:	04-264-02					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	4-28-17	5-1-17	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	4-28-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**MW08-GW-042617**					
Laboratory ID:	04-264-03					
Diesel Range Organics	**1.0**	0.26	NWTPH-Dx	4-28-17	5-1-17	
Lube Oil	**0.69**	0.41	NWTPH-Dx	4-28-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2017
Samples Submitted: April 27, 2017
Laboratory Reference: 1704-264
Project: 0747.01.07

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428W2					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	4-28-17	5-1-17	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	4-28-17	5-1-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	04-264-01									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*104* *78*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB0428W2									
Diesel Fuel #2	**0.972**		1.00		NA	**97**	58-113	NA	NA	
Surrogate:										
o-Terphenyl						*83*	*50-150*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2017
Samples Submitted: April 27, 2017
Laboratory Reference: 1704-264
Project: 0747.01.07

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0501F-T1	100	103	-2.8	+/-15%
CCV0501F-T2	100	95.4	4.6	+/-15%
CCV0501F-T3	100	95.5	4.5	+/-15%
CCV0501F-T4	100	98.7	1.3	+/-15%
CCV0502F-T5	100	96.2	3.8	+/-15%
CCV0502F-T6	100	97.1	2.9	+/-15%
CCV0501R-T1	100	101	-1.4	+/-15%
CCV0501R-T2	100	94.1	5.9	+/-15%
CCV0501R-T3	100	93.9	6.1	+/-15%
CCV0501R-T4	100	91.3	8.7	+/-15%
CCV0502R-T5	100	95.2	4.8	+/-15%
CCV0502R-T6	100	93.2	6.8	+/-15%
CCV0502F-V1	100	91.0	9.0	+/-15%
CCV0502F-V2	100	89.6	10.4	+/-15%
CCV0502F-V3	100	95.9	4.1	+/-15%
CCV0501R-V1	100	101	-1.3	+/-15%
CCV0501R-V1	100	103	-3.0	+/-15%
CCV0501R-V2	100	109	-9.1	+/-15%
CCV0501R-V3	100	96.7	3.3	+/-15%
CCV0501R-V4	100	98.7	1.3	+/-15%
CCV0502R-V5	100	97.3	2.7	+/-15%
CCV0502R-V6	100	99.6	0.4	+/-15%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Maul Foster Alongi
Project Number: 0747.01.07
Project Name: N. Cascade Ford
Project Manager: Heather Goold
Sampled by: Carolyn Wise

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 04-264

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW07-GW-042617	4/26/17	1415	W	5			X	X																		
2	MW06-GW-042617		1530	W	2				X																		
3	MW08-GW-042617		1630	W	5			X	X																		

	Signature	Company	Date	Time
Relinquished		MFA	4/26/17	1715
Received			4/27/17	1115
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☒ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

Sample/Cooler Receipt and Acceptance Checklist

Client: MFA

Client Project Name/Number: 0747.01.07

OnSite Project Number: 04-264

Initiated by: Blair Goodrow

Date Initiated: 4/27/17

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No		1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	Temperature: 2°C	
1.6 Have shipping bills (if any) been attached to the back of this form?	(Yes)	N/A		
1.7 How were the samples delivered?	Client	Courier	(UPS/FedEx)	OSE Pickup Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	(Yes)	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	(Yes)	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1.1 Cooler taped shut

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

APPENDIX E

DATA VALIDATION MEMORANDUM

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 0747.01.07 | AUGUST 18, 2017 | VSF PROPERTIES, LLC

Maul Foster & Alongi, Inc. (MFA) conducted an independent review of the quality of analytical results for groundwater and soil samples collected at the North Cascade Ford property in Sedro-Woolley, Washington. The samples were collected on April 24, 25, and 26, 2017.

OnSite Environmental, Inc. (OE) performed the analyses. OE report numbers 1704-232, 1704-253, and 1704-264 were reviewed. The analyses performed and samples analyzed are listed below. Not all analyses were performed on all samples. Several analyses were added by the project manager after samples were received by OE; these additional analyses were marked on the chain of custody by the laboratory.

Analysis	Reference
BTEX	USEPA 8021B
Diesel- and Lube-Oil Range Organics	NWTPH-Dx
Gasoline-Range Organics	NWTPH-Gx
Hexane	USEPA 8015 Modified
Hydrocarbon Identification (HCID)	NWTPH-HCID
Naphthalenes	USEPA 8270D SIM
Volatile Organic Compounds (VOC)	USEPA 8260C

BTEX = benzene, toluene, ethylbenzene, and xylenes.
NWTPH = Northwest total petroleum hydrocarbons.
USEPA = U.S. Environmental Protection Agency.

Samples Analyzed			
Report 1704-232	**Report 1704-253**		**Report 1704-264**
MW05-S-0.8	GP78-S-7.0	GP76-S-1.8	MW07-GW-042617
MW05-S-2.3	GP78-W-10.0	GP76-S-2.8	MW06-GW-042617
MW05-S-5.5	GP74-W-9.0	GP76-S-7.0	MW08-GW-042617
MW06-S-1.2	GP75-W-10.0	GP76-W-10.0	-
MW06-S-5.2	Trip Blanks	GP77-S-1.2	-
MW06-S-5.8	MW02R-GW-042617	GP77-S-3.0	-
MW07-S-1.2	MW04-GW-042617	GP77-S-6.5	-
MW07-S-5.5	MW05-GW-042617	GP77-W-10.0	-
MW07-S-6.5	MW01-GW-042617	GP78-S-1.0	-
-	MWDUP-GW-042617	GP78-S-2.5	-

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2017a) and appropriate laboratory and method-specific guidelines (OE, 2015; USEPA, 1986).

In report 1704-253, the NWTPH-Gx gasoline-range organics result for sample GP76-S-7.0 was flagged by OE as impacted by heavier fuels present in the sample. The result has been qualified by the reviewer with "J" as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1704-253	GP76-S-7.0	Gasoline-Range Organics	420	420 J

NOTES:
J = Result is estimated.
mg/kg = micrograms per kilogram.

In report 1704-253, the NWTPH-Dx diesel range organics result for sample GP78-S-1.0 was flagged by OE as impacted by overlap from lube oil range organic compounds present in the sample. The result has been qualified by the reviewer with "J" as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1704-253	GP78-S-1.0	Diesel-Range Organics	120	120 J

NOTES:
J = Result is estimated.
mg/kg = micrograms per kilogram.

In report 1704-253, the NWTPH-Dx lube oil range organics result for sample MW01-GW-042617 was flagged by OE due to impacts from the diesel range. The diesel range organics result for sample GP76-W-10.0 was flagged by OE due to impacts from the gasoline range. The results have been qualified by the reviewer with "J" as estimated.

Report	Sample	Component	Original Result (mg/L)	Qualified Result (mg/L)
1704-253	MW01-GW-042617	Lube-Oil-Range Organics	0.51	0.51 J
1704-253	GP76-W-10.0	Diesel-Range Organics	2.8	2.8 J

NOTES:
J = Result is estimated.
ug/L = micrograms per liter.

Data validation procedures were modified, as appropriate, to accommodate quality-control requirements for methods not specifically addressed by the USEPA procedures (e.g., NWTPH-Dx).

The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

Extractions and analyses were performed within the recommended holding time criteria.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

BLANKS

Method Blanks

Laboratory method blank analyses were performed at the required frequencies. For purposes of data qualification, the method blanks were associated with all samples prepared in the analytical batch. All laboratory method blanks were non-detect to reporting limits.

Trip Blanks

A trip blank was submitted for VOC analyses by USEPA Method 8260C with 1704-253. The trip blank was non-detect for all reported analytes.

Equipment Rinsate Blanks

Equipment rinsate blanks were not required for this sampling event, as all samples were collected using dedicated, single-use equipment.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples. The laboratory appropriately documented and qualified surrogate outliers. Associated batch quality assurance/quality control for samples with surrogate outliers was within acceptance limits.

In report 1704-253, the USEPA Method 8260C surrogate 4-bromofluorobenzene result for sample GP78-S-1.0 was below the lower percent recovery acceptance limit of 80 percent at 76 percent. The remaining surrogates had acceptable percent recoveries, and the exceedance was minor; thus, no results were qualified.

In report 1704-253, the USEPA Method 8270D SIM surrogate pyrene-d10 result was below the lower percent recovery acceptance limit of 40 percent at 33 percent. The remaining surrogate results were within percent recovery acceptance limits; thus, no results were qualified.

All remaining surrogate recoveries were within acceptance limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Matrix spike/matrix spike duplicate (MS/MSD) results are used to evaluate laboratory precision and accuracy. All MS/MSD samples were extracted and analyzed at the required frequency. All MS/MSD were within acceptance limits for percent recovery and relative percent differences (RPDs).

LABORATORY DUPLICATE RESULTS

Duplicate results are used to evaluate laboratory precision. All duplicate samples were extracted and analyzed at the required frequency. Laboratory duplicate results within five times the method reporting limit (MRL) were not evaluated for precision.

OE did not provide laboratory duplicate RPD control limits for NWTPH-Dx. OE confirmed that RPD control limits for the NWTPH-Dx are not required; however, RPD results were evaluated by the reviewer.

In report 1704-253, the NWTPH-Dx water matrix laboratory duplicate (04-253-06) had an RPD for diesel-range organics of 17 percent. The reviewer determined that the RPD was acceptable based on historic control limits of 30 percent. Qualification was not required.

In report 1704-232, the NWTPH-Dx soil matrix laboratory duplicate (05-018-02) had an RPD for diesel of 56 percent and an RPD for lube-oil-range organics at 81 percent. The laboratory duplicate was prepared with a sample from an unrelated project; thus, no results were qualified.

All remaining laboratory duplicate RPDs were within acceptance limits.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

A laboratory control sample/laboratory control sample duplicate (LCS/LCSD) is spiked with target analytes to provide information on laboratory precision and accuracy.

An LCS/LCSD was not performed for NWTPH-Gx or USEPA Method 8015 modified hexane analysis. OE confirmed that an LCS is not required per method. The reviewer confirmed that continuing calibration verification (CCV) standards associated with the NWTPH-Gx results met percent recovery criteria. USEPA Method 8015 modified CCV results were not reported; the reviewer confirmed with OE that the associated n-hexane CCV results were within control limits. Qualification was not required.

The remaining LCS/LCSD samples were extracted and analyzed at the required frequency. All LCS/LCSD results were within acceptance limits for percent recovery and RPD.

FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision. One field duplicate was submitted for analysis in report 1704-253 (MW01-GW-042617/MWDUP-GW-042617). MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the

MRL, or 50 percent RPD for results that are greater than five times the MRL. Non-detect data are not used in the evaluation of field duplicate results. All analytes were within the acceptance criteria.

CONTINUING CALIBRATION VERIFICATION RESULTS

CCV results are used to demonstrate instrument precision and accuracy through the end of the sample batch. All CCVs were within acceptance limits for percent recovery.

REPORTING LIMITS

OE used routine reporting limits for non-detect results, except for samples requiring dilutions because of high analyte concentrations and/or matrix interferences.

In report 1704-253, some NWTPH-HCID gasoline-range organics reporting limits were raised due to carryover from diesel-range organics. No qualification was required.

In report 1704-253, the NWTPH-Dx lube-oil range organics reporting limit for sample GP78-S-7.0 was raised due to impacts from high concentrations in the diesel-range. No qualification was required.

DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies.

In report 1704-232, OE noted on the sample/cooler receipt and acceptance checklist that sample MW05-S-2.3 was recorded as MW05-S-2.0 on sample container labels. The reviewer confirmed that the sample name recorded on the COC was correct.

No additional issues were found.

REFERENCES

OE. 2015. Quality assurance manual. Revision 9.4. OnSite Environmental, Inc., Redmond, Oregon. July 24.

USEPA. 1986. Test methods for evaluating solid waste: physical/chemical methods. EPA-530/SW-846. Update V. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. September (revision 1, July 2014).

USEPA. 2017. USEPA contract laboratory program, national functional guidelines for Superfund organic methods data review. EPA 540-R-2017-002. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. January.

APPENDIX F

2012 TO 2017 SOIL AND GROUNDWATER ANALYTICAL RESULTS

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP01	GP10	GP11	GP11	GP12[a]	GP13	GP36	GP36	GP36[a]
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP13-S-1.6	GP36-S-5.0	GP36-S-7.0	GP36-S-9.0
				Sample Date	05/06/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/14/2016
				Sample Depth Interval (ft bgs)	1-3.4	1.3-2.8	0.5-2	6-9	10-14	0.5-2.7	4.8-5.2	6.8-7.2	8.8-9.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Metals (mg/kg)													
Arsenic	2.92	20	Method A	7	**2.5**	--	--	--	--	--	--	--	--
Barium	1650	16000	Method B NCAR	NA	**36.9**	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	**0.4**	--	--	--	--	--	--	--	--
Chromium	480000	2000	Method A	42	**13.6**	--	--	--	--	--	--	--	--
Lead	3000	250	Method A	17	**28.8**	--	--	--	--	--	--	--	--
Mercury	2.09	2	Method A	0.07	0.03 U	--	--	--	--	--	--	--	--
Nickel	130	1600	Method B NCAR	38	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	0.6 U	--	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	0.2 U	--	--	--	--	--	--	--	--
Zinc	5970	24000	Method B NCAR	86	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor 1016	NV	14.3	Method B NCAR	NA	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1221	NV	NV	NV	NA	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1232	NV	NV	NV	NA	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1242	NV	NV	NV	NA	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1248	NV	NV	NV	NA	**0.46**	0.032 U	**0.07**	--	--	0.033 U	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	**0.31**	0.032 U	**0.088**	--	--	0.033 U	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	**0.5**	0.032 U	**0.12**	--	--	0.033 U	--	--	--
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	0.16 U	0.003 U	0.13 U	--	--	0.0028 U	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	**0.27**	**0.0015**	**0.39**	--	--	0.0014 U	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	**0.091**	0.0015 U	**0.096**	--	--	0.0014 U	--	--	--

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Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
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				Location	GP01	GP10	GP11	GP11	GP12[a]	GP13	GP36	GP36	GP36[a]
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP13-S-1.6	GP36-S-5.0	GP36-S-7.0	GP36-S-9.0
				Sample Date	05/06/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/14/2016
				Sample Depth Interval (ft bgs)	1-3.4	1.3-2.8	0.5-2	6-9	10-14	0.5-2.7	4.8-5.2	6.8-7.2	8.8-9.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,2-Dichloropropane	0.0253	27.8	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	**0.1**	0.0015 U	**0.12**	--	--	0.0014 U	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	**0.14**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	**1.8**	0.0015 U	**0.28**	--	--	0.0014 U	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
2-Butanone	NV	48000	Method B NCAR	NA	0.41 U	**0.01**	0.32 U	--	--	0.007 U	--	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
2-Hexanone	NV	NV	NV	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	**0.41**	0.0015 U	**0.049** J	--	--	0.0014 U	--	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Acetone	28.9	72000	Method B NCAR	NA	**0.35** J	**0.16**	**0.53** J	--	--	**0.04** J	--	--	--
Acrolein	NV	40	Method B NCAR	NA	4.1 U	0.075 U	3.2 U	--	--	0.07 U	--	--	--
Acrylonitrile	NV	1.85	Method B CAR	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Benzene	0.0274	0.03	Method A	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromobenzene	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromoethane	NV	NV	NV	NA	0.16 U	0.003 U	0.13 U	--	--	0.0028 U	--	--	--
Bromoform	0.362	127	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromomethane	0.0503	112	Method B NCAR	NA	**0.034** J	0.0015 U	**0.087**	--	--	0.0014 U	--	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA	**2.9**	0.0015 U	**0.23**	--	--	0.0014 U	--	--	--
Chlorobromomethane	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chloroethane	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chloromethane	NV	NV	NV	NA	0.082 U	0.0015 U	**0.11**	--	--	0.0014 U	--	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Dibromomethane	NV	800	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--

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				Location	GP01	GP10	GP11	GP11	GP12[a]	GP13	GP36	GP36	GP36[a]
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP13-S-1.6	GP36-S-5.0	GP36-S-7.0	GP36-S-9.0
				Sample Date	05/06/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/14/2016
				Sample Depth Interval (ft bgs)	1-3.4	1.3-2.8	0.5-2	6-9	10-14	0.5-2.7	4.8-5.2	6.8-7.2	8.8-9.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA	--	--	--	--	--		--	--	--
Ethylbenzene	6.05	6	Method A	NA	0.082 U	0.0015 U	**0.057** J	--	--	0.0014 U	--	--	--
Freon 113	NV	2400000	Method B NCAR	NA	0.16 U	0.003 U	0.13 U	--	--	0.0028 U	--	--	--
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA	**0.1**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
m,p-Xylene	NV	NV	NV	NA	0.082 U	0.0015 U	**0.21**	--	--	0.0014 U	--	--	--
Methyl iodide	NV	NV	NV	NA	**0.042** J	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	Method A	NA	**0.2**	**0.0043**	0.13 U	--	--	**0.0043**	--	--	--
Naphthalene	4.45	5	Method A	NA	**0.14** J	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA	**0.51**	0.0015 U	**0.042** J	--	--	0.0014 U	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--	--	--	--		--	--	--
n-Propylbenzene	NV	8000	Method B NCAR	NA	**0.35**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	0.082 U	0.0015 U	**0.073**	--	--	0.0014 U	--	--	--
sec-Butylbenzene	NV	8000	Method B NCAR	NA	**0.39**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Styrene	2.23	16000	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Tetrachloroethene	0.05	0.05	Method A	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Toluene	4.52	7	Method A	NA	0.082 U	0.0015 U	**0.16**	--	--	0.0014 U	--	--	--
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NV	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Trichloroethene	0.518	0.03	Method A	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)													
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	**0.58** J	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	**0.7** J	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	**12**	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	**8.6**	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	4.6 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	4.6 U	--	--	--	--	--	--	--	--

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				Location	GP01	GP10	GP11	GP11	GP12[a]	GP13	GP36	GP36	GP36[a]
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP13-S-1.6	GP36-S-5.0	GP36-S-7.0	GP36-S-9.0
				Sample Date	05/06/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/14/2016
				Sample Depth Interval (ft bgs)	1-3.4	1.3-2.8	0.5-2	6-9	10-14	0.5-2.7	4.8-5.2	6.8-7.2	8.8-9.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	4.6 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	9.3 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	4.6 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	4.6 U	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**10**	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	4.6 U	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	4.6 U	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	4.6 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	9.3 U	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	4.6 U	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	4.6 U	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	4.6 U	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	4.6 U	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	0.93 U	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	9.3 U	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	4.6 U	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--

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				Location	GP01	GP10	GP11	GP11	GP12[a]	GP13	GP36	GP36	GP36[a]
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP13-S-1.6	GP36-S-5.0	GP36-S-7.0	GP36-S-9.0
				Sample Date	05/06/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/14/2016
				Sample Depth Interval (ft bgs)	1-3.4	1.3-2.8	0.5-2	6-9	10-14	0.5-2.7	4.8-5.2	6.8-7.2	8.8-9.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Carbazole	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	**1.2**	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	4.6 U	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	**1.2**	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	0.93 U	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	4.6 U	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	**1.9**	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	0.93 U	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	0.93 U	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	Method B CAR	NA	**7.3**	**0.035**	**0.23**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**11**	**0.04**	**0.39**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Acenaphthene	97.9	4800	Method B NCAR	NA	**0.51**	**0.005**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Acenaphthylene	NV	1	Method B NCAR	NA	0.25 U	**0.028**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Anthracene	NV	24000	Method B NCAR	NA	**0.19** J	**0.023**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	**0.15** J	**0.11**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Benzo(a)pyrene	2.33	0.1	Method A	NA	0.25 U	**0.15**	**0.024** J	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	--	--	--	--	--	--	0.0086 U	0.0096 U	0.0092 U

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
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VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP01	GP10	GP11	GP11	GP12[a]	GP13	GP36	GP36	GP36[a]
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP13-S-1.6	GP36-S-5.0	GP36-S-7.0	GP36-S-9.0
				Sample Date	05/06/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/14/2016
				Sample Depth Interval (ft bgs)	1-3.4	1.3-2.8	0.5-2	6-9	10-14	0.5-2.7	4.8-5.2	6.8-7.2	8.8-9.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Benzo(ghi)perylene	NV	NV	NV	NA	0.25 U	**0.13**	**0.057**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	--	--	--	--	--	--	0.0086 U	0.0096 U	0.0092 U
Chrysene	95.5	137	Method B CAR	NA	**0.34**	**0.18**	**0.075**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	0.25 U	**0.03**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Dibenzofuran	NV	80	Method B NCAR	NA	**0.62**	**0.02**	**0.014** J	--	--	0.0046 U	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	**0.53**	**0.26**	**0.086**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Fluorene	101	3200	Method B NCAR	NA	**1.2**	**0.012**	**0.029**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	0.25 U	**0.11**	**0.023** J	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Naphthalene	4.45	5	Method A	NA	**1.2**	**0.082**	**0.51**	--	--	**0.0026** J	0.0086 U	0.0096 U	0.0092 U
Phenanthrene	NV	NV	NV	NA	**1.9**	**0.19**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Pyrene	655	2400	Method B NCAR	NA	**0.59**	**0.3**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Total Benzofluoranthenes	NV	NV	NV	NA	0.25 U	**0.27**	**0.2** J	--	--	0.0046 U	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range Organics	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)													
Gasoline-Range Organics	NV	30	Method A	NA	**1400**	9.3 U	**590**	--	--	8.9 U	7.2 UJ	9.4 UJ	8.6 UJ
Diesel-Range Organics	NV	2000	Method A	NA	**4000**	**58**	**1700**	--	--	6.5 U	32 U	36 U	35 U
Heavy-Oil-Range Organics	NV	2000	Method A	NA	**10000**	**160**	**6500**	--	--	13 U	64 U	72 U	**79**
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	Method A	NA	ND	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	**0.19**	**0.20**	**0.052**	--	--	ND	ND	ND	ND
Total Naphthalenes by 8270	4.46	5	Method A	NA	**20**	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	**20**	**0.16**	**1.1**	--	--	**0.0072** J	ND	ND	ND
Total PCBs	NV	1	Method A	NA	**1.4**	ND	**0.34**	--	--	ND	--	--	--
Total Xylenes	14.4	9	Method A	NA	ND	ND	**0.283**	--	--	ND	--	--	--

Table F-1
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				Location	GP37	GP37[a]	GP37[a]	GP38	GP38	GP38	GP39	GP39	GP39[a]	GP40
				Sample Name	GP37-S-6.0	GP37-S-8.5	GP37-S-11.0	GP38-S-4.5	GP38-S-5.5	GP38-S-8.0	GP39-S-3.5	GP39-S-6.0	GP39-S-8.0	GP40-S-3.5
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	8.3-8.7	10.8-11.2	4.0-5.0	5.0-6.0	7.0-8.0	3.0-3.6	5.5-6.5	7.5-8.5	3.0-4.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Metals (mg/kg)														
Arsenic	2.92	20	Method A	7	--	--	--	--	--	--	--	--	--	--
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	0.6 U	0.72 U	0.74 U	0.66 U	--	--	--	--	--	--
Chromium	480000	2000	Method A	42	**10**	**29**	**39**	**13**	--	--	--	--	--	--
Lead	3000	250	Method A	17	6 U	7.2 U	7.4 U	6.6 U	--	--	--	--	--	--
Mercury	2.09	2	Method A	0.07	--	--	--	--	--	--	--	--	--	--
Nickel	130	1600	Method B NCAR	38	**9.3**	**30**	**39**	**11**	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	Method B NCAR	86	**35**	**44**	**58**	**32**	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)														
Aroclor 1016	NV	14.3	Method B NCAR	NA	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	**0.098**	0.072 U	0.074 U	0.066 U	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	**0.17**	0.072 U	0.074 U	0.066 U	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	0.07 U	0.002 U	**0.022**	0.0015 U	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--

Table F-1
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VSF Properties, LLC, North Cascade Ford Property
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				Location	GP37	GP37[a]	GP37[a]	GP38	GP38	GP38	GP39	GP39	GP39[a]	GP40
				Sample Name	GP37-S-6.0	GP37-S-8.5	GP37-S-11.0	GP38-S-4.5	GP38-S-5.5	GP38-S-8.0	GP39-S-3.5	GP39-S-6.0	GP39-S-8.0	GP40-S-3.5
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	8.3-8.7	10.8-11.2	4.0-5.0	5.0-6.0	7.0-8.0	3.0-3.6	5.5-6.5	7.5-8.5	3.0-4.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,2-Dichloropropane	0.0253	27.8	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
2-Butanone	NV	48000	Method B NCAR	NA	0.35 U	**0.06**	**0.071**	0.0074 U	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
2-Hexanone	NV	NV	NV	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	**1**	0.002 U	**0.015**	0.0015 U	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
Acetone	28.9	72000	Method B NCAR	NA	0.35 U	**0.26**	**0.27**	0.0074 U	--	--	--	--	--	--
Acrolein	NV	40	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	0.07 U	**0.0075**	**0.0073**	0.0015 U	--	--	--	--	--	--
Bromobenzene	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Bromoethane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Bromomethane	0.0503	112	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA	0.07 U	**0.016**	**0.003**	0.0015 U	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Chloroethane	NV	NV	NV	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Chloromethane	NV	NV	NV	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Dibromomethane	NV	800	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--

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Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
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				Location	GP37	GP37[a]	GP37[a]	GP38	GP38	GP38	GP39	GP39	GP39[a]	GP40
				Sample Name	GP37-S-6.0	GP37-S-8.5	GP37-S-11.0	GP38-S-4.5	GP38-S-5.5	GP38-S-8.0	GP39-S-3.5	GP39-S-6.0	GP39-S-8.0	GP40-S-3.5
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	8.3-8.7	10.8-11.2	4.0-5.0	5.0-6.0	7.0-8.0	3.0-3.6	5.5-6.5	7.5-8.5	3.0-4.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Freon 113	NV	2400000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA	**0.36**	0.002 U	**0.0062**	0.0015 U	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	0.14 U	0.004 U	0.0041 U	0.003 U	--	--	--	--	--	--
Methyl iodide	NV	NV	NV	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	Method A	NA	0.7 U	0.02 U	0.02 U	0.0074 U	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	**0.55**	0.002 U	**0.0043**	0.0015 U	--	--	--	--	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA	**1.6**	0.002 U	**0.019**	0.0015 U	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	0.067 U	0.097 U	0.1 U	0.091 U	--	--	--	--	--	--
n-Propylbenzene	NV	8000	Method B NCAR	NA	**1.3**	0.002 U	**0.02**	0.0015 U	--	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
sec-Butylbenzene	NV	8000	Method B NCAR	NA	**1.4**	**0.0043**	**0.019**	0.0015 U	--	--	--	--	--	--
Styrene	2.23	16000	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA	**0.1**	0.002 U	**0.0024**	0.0015 U	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	Method A	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Toluene	4.52	7	Method A	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	Method A	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37[a]	GP37[a]	GP38	GP38	GP38	GP39	GP39	GP39[a]	GP40
				Sample Name	GP37-S-6.0	GP37-S-8.5	GP37-S-11.0	GP38-S-4.5	GP38-S-5.5	GP38-S-8.0	GP39-S-3.5	GP39-S-6.0	GP39-S-8.0	GP40-S-3.5
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	8.3-8.7	10.8-11.2	4.0-5.0	5.0-6.0	7.0-8.0	3.0-3.6	5.5-6.5	7.5-8.5	3.0-4.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37[a]	GP37[a]	GP38	GP38	GP38	GP39	GP39	GP39[a]	GP40
				Sample Name	GP37-S-6.0	GP37-S-8.5	GP37-S-11.0	GP38-S-4.5	GP38-S-5.5	GP38-S-8.0	GP39-S-3.5	GP39-S-6.0	GP39-S-8.0	GP40-S-3.5
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	8.3-8.7	10.8-11.2	4.0-5.0	5.0-6.0	7.0-8.0	3.0-3.6	5.5-6.5	7.5-8.5	3.0-4.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Carbazole	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	**8.4**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**13**	**0.011**	**0.011**	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Acenaphthene	97.9	4800	Method B NCAR	NA	**0.38**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Acenaphthylene	NV	1	Method B NCAR	NA	**0.19**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Anthracene	NV	24000	Method B NCAR	NA	0.16 U	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	**0.2**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Benzo(a)pyrene	2.33	0.1	Method A	NA	**0.21**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	**0.25**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U

Table F-1
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				Location	GP37	GP37[a]	GP37[a]	GP38	GP38	GP38	GP39	GP39	GP39[a]	GP40
				Sample Name	GP37-S-6.0	GP37-S-8.5	GP37-S-11.0	GP38-S-4.5	GP38-S-5.5	GP38-S-8.0	GP39-S-3.5	GP39-S-6.0	GP39-S-8.0	GP40-S-3.5
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	8.3-8.7	10.8-11.2	4.0-5.0	5.0-6.0	7.0-8.0	3.0-3.6	5.5-6.5	7.5-8.5	3.0-4.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Benzo(ghi)perylene	NV	NV	NV	NA	0.16 U	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	0.16 U	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Chrysene	95.5	137	Method B CAR	NA	**0.26**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	0.16 U	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	**0.51**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Fluorene	101	3200	Method B NCAR	NA	**0.67**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	0.16 U	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Naphthalene	4.45	5	Method A	NA	**6.6**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Phenanthrene	NV	NV	NV	NA	**1.5**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Pyrene	655	2400	Method B NCAR	NA	**0.6**	0.0096 U	0.0099 U	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U	0.0092 U
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Gasoline-Range Organics	NV	NV	NV	NA	**DETECT**	ND	ND	ND	--	--	ND	ND	ND	--
Diesel-Range Organics	NV	NV	NV	NA	**DETECT**	ND	ND	ND	--	--	ND	ND	ND	--
Heavy-Oil-Range Organics	NV	NV	NV	NA	**DETECT**	**DETECT**	ND	ND	--	--	ND	ND	ND	--
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-Range Organics	NV	30	Method A	NA	**3000 J**	--	--	--	8.2 UJ	9 UJ	--	--	--	8.1 UJ
Diesel-Range Organics	NV	2000	Method A	NA	**7700 J**	36 U	--	--	33 U	35 U	--	--	--	34 U
Heavy-Oil-Range Organics	NV	2000	Method A	NA	**8500**	**140**	--	--	67 U	69 U	--	--	--	69 U
Calculated Totals (mg/kg)														
cPAH TEQ by 8270	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	**0.28**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Naphthalenes by 8270	4.46	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	**28**	**0.0206**	**0.0209**	ND	ND	ND	ND	ND	ND	ND
Total PCBs	NV	1	Method A	NA	**0.42**	ND	ND	ND	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA	ND	ND	ND	ND	--	--	--	--	--	--

Table F-1
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Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40[a]	GP41	GP41	GP41[a]	GP42	GP42	GP42[a]	GP43	GP43
				Sample Name	GP40-S-6.0	GP40-S-10.0	GP41-S-2.5	GP41-S-6.5	GP41-S-8.5	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.5-6.5	10.0-11.0	2.0-2.8	5.5-6.5	8.0-9.0	1.0-2.2	5.8-6.8	12.0-13.0	1.25-1.75	6.5-7.1
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Metals (mg/kg)														
Arsenic	2.92	20	Method A	7	--	--	--	--	--	--	--	--	--	--
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	--	--	--	--	--	--	--	--	--	--
Chromium	480000	2000	Method A	42	--	--	--	--	--	--	--	--	--	--
Lead	3000	250	Method A	17	--	--	--	--	--	--	--	--	--	--
Mercury	2.09	2	Method A	0.07	--	--	--	--	--	--	--	--	--	--
Nickel	130	1600	Method B NCAR	38	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	Method B NCAR	86	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)														
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	--	--	0.0072 U	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40[a]	GP41	GP41	GP41[a]	GP42	GP42	GP42[a]	GP43	GP43
				Sample Name	GP40-S-6.0	GP40-S-10.0	GP41-S-2.5	GP41-S-6.5	GP41-S-8.5	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.5-6.5	10.0-11.0	2.0-2.8	5.5-6.5	8.0-9.0	1.0-2.2	5.8-6.8	12.0-13.0	1.25-1.75	6.5-7.1
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,2-Dichloropropane	0.0253	27.8	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
2-Butanone	NV	48000	Method B NCAR	NA	--	--	0.0072 U	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	--	--	0.0072 U	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NV	NA	--	--	0.0072 U	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	--	--	0.0072 U	--	--	--	--	--	--	--
Acetone	28.9	72000	Method B NCAR	NA	--	--	0.0072 U	--	--	--	--	--	--	--
Acrolein	NV	40	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Bromobenzene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Bromoethane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Bromomethane	0.0503	112	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Chloroethane	NV	NV	NV	NA	--	--	0.0072 U	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Chloromethane	NV	NV	NV	NA	--	--	0.0072 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Dibromomethane	NV	800	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40[a]	GP41	GP41	GP41[a]	GP42	GP42	GP42[a]	GP43	GP43
				Sample Name	GP40-S-6.0	GP40-S-10.0	GP41-S-2.5	GP41-S-6.5	GP41-S-8.5	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.5-6.5	10.0-11.0	2.0-2.8	5.5-6.5	8.0-9.0	1.0-2.2	5.8-6.8	12.0-13.0	1.25-1.75	6.5-7.1
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Freon 113	NV	2400000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA	--	--	0.0072 U	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	--	--	0.0029 U	--	--	--	--	--	--	--
Methyl iodide	NV	NV	NV	NA	--	--	0.0072 U	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	Method A	NA	--	--	0.0072 U	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--	0.09 U	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
sec-Butylbenzene	NV	8000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Styrene	2.23	16000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Toluene	4.52	7	Method A	NA	--	--	0.0072 U	--	--	--	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	--	--	0.0014 U	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	Method A	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	--	--	0.0072 U	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	--	--	0.0014 U	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

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2012 to 2017 Soil Analytical Results—Area of Concern 1
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VSF Properties, LLC, North Cascade Ford Property
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				Location	GP40	GP40[a]	GP41	GP41	GP41[a]	GP42	GP42	GP42[a]	GP43	GP43
				Sample Name	GP40-S-6.0	GP40-S-10.0	GP41-S-2.5	GP41-S-6.5	GP41-S-8.5	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.5-6.5	10.0-11.0	2.0-2.8	5.5-6.5	8.0-9.0	1.0-2.2	5.8-6.8	12.0-13.0	1.25-1.75	6.5-7.1
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

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2012 to 2017 Soil Analytical Results—Area of Concern 1
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				Location	GP40	GP40[a]	GP41	GP41	GP41[a]	GP42	GP42	GP42[a]	GP43	GP43
				Sample Name	GP40-S-6.0	GP40-S-10.0	GP41-S-2.5	GP41-S-6.5	GP41-S-8.5	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.5-6.5	10.0-11.0	2.0-2.8	5.5-6.5	8.0-9.0	1.0-2.2	5.8-6.8	12.0-13.0	1.25-1.75	6.5-7.1
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Carbazole	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.52**	0.0091 U	0.0096 U	**0.092**	**3.1**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.65**	0.0091 U	0.0096 U	**0.12**	**0.61**
Acenaphthene	97.9	4800	Method B NCAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.11**	0.0091 U	0.023	**0.011**	**0.64**
Acenaphthylene	NV	1	Method B NCAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.037**	0.0091 U	0.0096 U	**0.024**	**0.2**
Anthracene	NV	24000	Method B NCAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.25**	0.0091 U	0.0096 U	**0.058**	**0.32**
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.33**	0.0091 U	0.0096 U	**0.11**	**0.21**
Benzo(a)pyrene	2.33	0.1	Method A	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.25**	0.0091 U	0.0096 U	**0.15**	0.086 U
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.33**	0.0091 U	0.0096 U	**0.19**	0.086 U

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VSF Properties, LLC, North Cascade Ford Property
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				Location	GP40	GP40[a]	GP41	GP41	GP41[a]	GP42	GP42	GP42[a]	GP43	GP43
				Sample Name	GP40-S-6.0	GP40-S-10.0	GP41-S-2.5	GP41-S-6.5	GP41-S-8.5	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
				Sample Depth Interval (ft bgs)	5.5-6.5	10.0-11.0	2.0-2.8	5.5-6.5	8.0-9.0	1.0-2.2	5.8-6.8	12.0-13.0	1.25-1.75	6.5-7.1
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Benzo(ghi)perylene	NV	NV	NV	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.13**	0.0091 U	0.0096 U	**0.1**	0.086 U
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.095**	0.0091 U	0.0096 U	**0.052**	0.086 U
Chrysene	95.5	137	Method B CAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.26**	0.0091 U	0.0096 U	**0.12**	**0.62**
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.023**	0.0091 U	0.0096 U	**0.02**	0.086 U
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.48**	0.0091 U	0.0096 U	**0.23**	**0.14**
Fluorene	101	3200	Method B NCAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.1**	0.0091 U	0.0096 U	**0.02**	**2.8**
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.16**	0.0091 U	0.0096 U	**0.097**	0.086 U
Naphthalene	4.45	5	Method A	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.47**	0.0091 U	0.0096 U	**0.086**	**0.47**
Phenanthrene	NV	NV	NV	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.56**	0.0091 U	0.0096 U	**0.15**	**4.5**
Pyrene	655	2400	Method B NCAR	NA	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.52**	0.0091 U	**0.022**	**0.21**	**0.37**
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Gasoline-Range Organics	NV	NV	NV	NA	--	--	ND	--	--	--	--	--	ND	**DETECT**
Diesel-Range Organics	NV	NV	NV	NA	--	--	ND	--	--	--	--	--	ND	**DETECT**
Heavy-Oil-Range Organics	NV	NV	NV	NA	--	--	ND	--	--	--	--	--	**DETECT**	**DETECT**
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-Range Organics	NV	30	Method A	NA	8.7 UJ	9.8 UJ	--	7.5 UJ	8.8 UJ	10 UJ	8.4 UJ	9.2 UJ	--	**700 J**
Diesel-Range Organics	NV	2000	Method A	NA	34 U	37 U	--	35 U	35 U	**210**	34 U	36 U	**80**	**4200**
Heavy-Oil-Range Organics	NV	2000	Method A	NA	69 U	74 U	--	69 U	71 U	**500**	68 U	**210**	**450**	**5700**
Calculated Totals (mg/kg)														
cPAH TEQ by 8270	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	ND	ND	ND	ND	ND	**0.35**	ND	ND	**0.20**	**0.087**
Total Naphthalenes by 8270	4.46	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	ND	ND	ND	ND	ND	**1.64**	ND	ND	**0.298**	**4.18**
Total PCBs	NV	1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA	--	--	ND	--	--	--	--	--	--	--

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VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP43[a]	GP44	GP44	GP44[a]	MW01	MW05	MW05	MW05[a]	MW07
				Sample Name	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1	MW05-S-0.8	MW05-S-2.3	MW05-S-5.5	MW07-S-1.2
				Sample Date	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012	4/24/2017	4/24/2017	4/24/2017	4/25/2017
				Sample Depth Interval (ft bgs)	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8	1.0 - 1.5
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Metals (mg/kg)													
Arsenic	2.92	20	Method A	7	--	--	--	--	**4.3**	--	--	--	--
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	**71**	--	--	--	--
Cadmium	0.69	2	Method A	1	--	--	--	--	0.1 U	--	--	--	--
Chromium	480000	2000	Method A	42	--	--	--	--	**20.2**	--	--	--	--
Lead	3000	250	Method A	17	--	--	--	--	**7.9**	--	--	--	--
Mercury	2.09	2	Method A	0.07	--	--	--	--	**0.03**	--	--	--	--
Nickel	130	1600	Method B NCAR	38	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	0.6 U	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	0.3 U	--	--	--	--
Zinc	5970	24000	Method B NCAR	86	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--	--	--	0.032 U	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	--	--	--	--	0.032 U	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	--	--	--	--	0.032 U	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	--	--	--	--	0.032 U	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	--	--	--	--	0.032 U	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--	--	--	0.032 U	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--	--	--	0.032 U	--	--	--	--
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	--	--	--	--	0.0012 U	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	--	--	--	--	0.006 U	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	--	--	--	--	0.0024 U	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	--	--	--	--	0.006 U	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	--	--	--	--	0.006 U	--	--	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	--	--	0.0012 U	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--

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				Location	GP43[a]	GP44	GP44	GP44[a]	MW01	MW05	MW05	MW05[a]	MW07
				Sample Name	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1	MW05-S-0.8	MW05-S-2.3	MW05-S-5.5	MW07-S-1.2
				Sample Date	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012	4/24/2017	4/24/2017	4/24/2017	4/25/2017
				Sample Depth Interval (ft bgs)	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8	1.0 - 1.5
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
1,2-Dichloropropane	0.0253	27.8	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
2-Butanone	NV	48000	Method B NCAR	NA	--	--	--	--	**0.0043** J	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	--	--	--	--	0.006 U	--	--	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
2-Hexanone	NV	NV	NV	NA	--	--	--	--	0.006 U	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	--	--	--	--	0.006 U	--	--	--	--
Acetone	28.9	72000	Method B NCAR	NA	--	--	--	--	**0.11**	--	--	--	--
Acrolein	NV	40	Method B NCAR	NA	--	--	--	--	0.06 U	--	--	--	--
Acrylonitrile	NV	1.85	Method B CAR	NA	--	--	--	--	0.006 U	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	--	--	--	--	0.0012 U	0.02 U	--	--	--
Bromobenzene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Bromoethane	NV	NV	NV	NA	--	--	--	--	0.0024 U	--	--	--	--
Bromoform	0.362	127	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Bromomethane	0.0503	112	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
Chloroethane	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Chloromethane	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Dibromomethane	NV	800	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--

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				Location	GP43[a]	GP44	GP44	GP44[a]	MW01	MW05	MW05	MW05[a]	MW07
				Sample Name	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1	MW05-S-0.8	MW05-S-2.3	MW05-S-5.5	MW07-S-1.2
				Sample Date	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012	4/24/2017	4/24/2017	4/24/2017	4/25/2017
				Sample Depth Interval (ft bgs)	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8	1.0 - 1.5
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--	--	--	0.0012 U	0.059 U	--	--	--
Freon 113	NV	2400000	Method B NCAR	NA	--	--	--	--	0.0024 U	--	--	--	--
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA	--	--	--	--	0.006 U	--	--	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	--	--	--	--	0.0012 U	0.059 U	--	--	--
Methyl iodide	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	Method A	NA	--	--	--	--	**0.005**	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	0.006 U	--	--	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	--	--	0.0012 U	0.059 U	--	--	--
sec-Butylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Styrene	2.23	16000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Tetrachloroethene	0.05	0.05	Method A	NA	--	--	--	--	0.0012 U	--	--	--	--
Toluene	4.52	7	Method A	NA	--	--	--	--	**0.0007 J**	0.059 U	--	--	--
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	--	--	--	--	0.0012 U	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NV	NA	--	--	--	--	0.006 U	--	--	--	--
Trichloroethene	0.518	0.03	Method A	NA	--	--	--	--	0.0012 U	--	--	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	--	--	--	--	0.006 U	--	--	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	--	--	--	--	0.0012 U	--	--	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)													
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	0.058 U	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	0.29 U	--	--	--	--
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	0.29 U	--	--	--	--

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				Location	GP43[a]	GP44	GP44	GP44[a]	MW01	MW05	MW05	MW05[a]	MW07
				Sample Name	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1	MW05-S-0.8	MW05-S-2.3	MW05-S-5.5	MW07-S-1.2
				Sample Date	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012	4/24/2017	4/24/2017	4/24/2017	4/25/2017
				Sample Depth Interval (ft bgs)	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8	1.0 - 1.5
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	0.29 U	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	0.58 U	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	0.29 U	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	0.29 U	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	**0.029 J**	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	0.29 U	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	0.29 U	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	0.29 U	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	0.58 U	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	0.29 U	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	0.29 U	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	0.29 U	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	0.29 U	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	0.058 U	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	0.58 U	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	0.29 U	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--

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				Location	GP43[a]	GP44	GP44	GP44[a]	MW01	MW05	MW05	MW05[a]	MW07
				Sample Name	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1	MW05-S-0.8	MW05-S-2.3	MW05-S-5.5	MW07-S-1.2
				Sample Date	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012	4/24/2017	4/24/2017	4/24/2017	4/25/2017
				Sample Depth Interval (ft bgs)	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8	1.0 - 1.5
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Carbazole	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	0.29 U	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	0.058 U	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	0.058 U	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	0.29 U	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	0.058 U	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	0.058 U	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	Method B CAR	NA	0.0088 U	**7.8**	**3.4**	**0.14**	**0.0067**	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	0.0088 U	**12**	**5.3**	**0.22**	**0.0088**	--	--	--	--
Acenaphthene	97.9	4800	Method B NCAR	NA	0.0088 U	**0.63**	**0.34**	**0.016**	0.0047 U	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	0.0088 U	**0.35**	**0.18**	0.0089 U	0.0047 U	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	0.0088 U	**0.26**	**0.19**	0.0089 U	0.0047 U	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	0.0088 U	**0.075**	0.0091 U	0.0089 U	0.0047 U	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	0.0088 U	**0.19**	0.0091 U	0.0089 U	0.0047 U	--	--	--	--
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	0.0088 U	**0.057**	0.0091 U	0.0089 U	--	--	--	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
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VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP43[a]	GP44	GP44	GP44[a]	MW01	MW05	MW05	MW05[a]	MW07
				Sample Name	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1	MW05-S-0.8	MW05-S-2.3	MW05-S-5.5	MW07-S-1.2
				Sample Date	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012	4/24/2017	4/24/2017	4/24/2017	4/25/2017
				Sample Depth Interval (ft bgs)	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5	0.6 - 0.9	2.0 - 2.3	5.2 - 5.8	1.0 - 1.5
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Benzo(ghi)perylene	NV	NV	NV	NA	0.0088 U	**0.12**	0.0091 U	0.0089 U	**0.0041 J**	--	--	--	--
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	0.0088 U	**0.05**	0.0091 U	0.0089 U	--	--	--	--	--
Chrysene	95.5	137	Method B CAR	NA	0.0088 U	**0.19**	**0.019**	0.0089 U	**0.0058**	--	--	--	--
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	0.0088 U	0.17 U	0.0091 U	0.0089 U	0.0047 U	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	**0.0033 J**	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	0.0088 U	**0.29**	**0.051**	0.0089 U	**0.0048**	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	0.0088 U	**1.5**	**0.82**	**0.035**	0.0047 U	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	0.0088 U	**0.081**	0.0091 U	0.0089 U	0.0047 U	--	--	--	--
Naphthalene	4.45	5	Method A	NA	0.0088 U	**0.93**	**0.27**	**0.023**	**0.0045 J**	--	--	--	--
Phenanthrene	NV	NV	NV	NA	0.0088 U	**1.3**	**0.9**	**0.042**	**0.0083**	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	0.0088 U	**0.56**	**0.061**	0.0089 U	**0.0049**	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	0.0047 U	--	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range Organics	NV	NV	NV	NA	ND	**DETECT**	**DETECT**	**DETECT**	--	**DETECT**	ND	ND	ND
Diesel-Range Organics	NV	NV	NV	NA	ND	**DETECT**	**DETECT**	**DETECT**	--	**DETECT**	ND	ND	ND
Heavy-Oil-Range Organics	NV	NV	NV	NA	ND	**DETECT**	**DETECT**	ND	--	**DETECT**	ND	ND	ND
Total Petroleum Hydrocarbons (mg/kg)													
Gasoline-Range Organics	NV	30	Method A	NA	--	**1300 J**	40 U	**100 J**	8.9 U	5.9 U	--	--	--
Diesel-Range Organics	NV	2000	Method A	NA	--	**8100**	**2600**	**300**	**58**	**140**	--	--	--
Heavy-Oil-Range Organics	NV	2000	Method A	NA	--	**31000**	**1700**	**230**	**160**	**530**	--	--	--
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	Method A	NA	--	--	--	--	ND	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	ND	**0.227**	**0.007**	ND	**0.0033**	--	--	--	--
Total Naphthalenes by 8270	4.46	5	Method A	NA	--	--	--	--	**0.087 J**	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	ND	**20.73**	**8.97**	**0.383**	**0.020**	--	--	--	--
Total PCBs	NV	1	Method A	NA	--	--	--	--	ND	--	--	--	--
Total Xylenes	14.4	9	Method A	NA	--	--	--	--	ND	--	--	--	--

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				Location	MW07	MW07[a]
				Sample Name	MW07-S-5.5	MW07-S-6.5
				Sample Date	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	5.2 - 5.8	6.2 - 6.8
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
Metals (mg/kg)						
Arsenic	2.92	20	Method A	7	--	--
Barium	1650	16000	Method B NCAR	NA	--	--
Cadmium	0.69	2	Method A	1	--	--
Chromium	480000	2000	Method A	42	--	--
Lead	3000	250	Method A	17	--	--
Mercury	2.09	2	Method A	0.07	--	--
Nickel	130	1600	Method B NCAR	38	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--
Silver	13.6	400	Method B NCAR	NA	--	--
Zinc	5970	24000	Method B NCAR	86	--	--
Polychlorinated Biphenyls (mg/kg)						
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--
Aroclor 1221	NV	NV	NV	NA	--	--
Aroclor 1232	NV	NV	NV	NA	--	--
Aroclor 1242	NV	NV	NV	NA	--	--
Aroclor 1248	NV	NV	NV	NA	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--
Volatile Organic Compounds (mg/kg)						
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	--	--
1,1-Dichloropropene	NV	NV	NV	NA	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	MW07	MW07[a]
				Sample Name	MW07-S-5.5	MW07-S-6.5
				Sample Date	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	5.2 - 5.8	6.2 - 6.8
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--
1,2-Dichloropropane	0.0253	27.8	NV	NA	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--
1,3-Dichloropropane	NV	NV	NV	NA	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--
2,2-Dichloropropane	NV	NV	NV	NA	--	--
2-Butanone	NV	48000	Method B NCAR	NA	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	--	--
2-Hexanone	NV	NV	NV	NA	--	--
4-Chlorotoluene	NV	NV	NV	NA	--	--
4-Isopropyltoluene	NV	NV	NV	NA	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	--	--
Acetone	28.9	72000	Method B NCAR	NA	--	--
Acrolein	NV	40	Method B NCAR	NA	--	--
Acrylonitrile	NV	1.85	Method B CAR	NA	--	--
Benzene	0.0274	0.03	Method A	NA	--	--
Bromobenzene	NV	NV	NV	NA	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA	--	--
Bromoethane	NV	NV	NV	NA	--	--
Bromoform	0.362	127	Method B CAR	NA	--	--
Bromomethane	0.0503	112	Method B NCAR	NA	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA	--	--
Chlorobromomethane	NV	NV	NV	NA	--	--
Chloroethane	NV	NV	NV	NA	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA	--	--
Chloromethane	NV	NV	NV	NA	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA	--	--
Dibromomethane	NV	800	Method B NCAR	NA	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
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				Location	MW07	MW07[a]
				Sample Name	MW07-S-5.5	MW07-S-6.5
				Sample Date	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	5.2 - 5.8	6.2 - 6.8
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--
Freon 113	NV	2400000	Method B NCAR	NA	--	--
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA	--	--
m,p-Xylene	NV	NV	NV	NA	--	--
Methyl iodide	NV	NV	NV	NA	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--
Methylene chloride	0.0215	0.02	Method A	NA	--	--
Naphthalene	4.45	5	Method A	NA	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--
n-Propylbenzene	NV	8000	Method B NCAR	NA	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--
sec-Butylbenzene	NV	8000	Method B NCAR	NA	--	--
Styrene	2.23	16000	Method B NCAR	NA	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA	--	--
Tetrachloroethene	0.05	0.05	Method A	NA	--	--
Toluene	4.52	7	Method A	NA	--	--
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NV	NA	--	--
Trichloroethene	0.518	0.03	Method A	NA	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)						
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--

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VSF Properties, LLC, North Cascade Ford Property
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				Location	MW07	MW07[a]
				Sample Name	MW07-S-5.5	MW07-S-6.5
				Sample Date	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	5.2 - 5.8	6.2 - 6.8
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--

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VSF Properties, LLC, North Cascade Ford Property
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				Location	MW07	MW07[a]
				Sample Name	MW07-S-5.5	MW07-S-6.5
				Sample Date	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	5.2 - 5.8	6.2 - 6.8
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
Carbazole	NV	NV	NV	NA	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--
Naphthalene	4.45	5	Method A	NA	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--
Phenanthrene	NV	NV	NV	NA	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)						
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--
Acenaphthene	97.9	4800	Method B NCAR	NA	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	MW07	MW07[a]
				Sample Name	MW07-S-5.5	MW07-S-6.5
				Sample Date	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	5.2 - 5.8	6.2 - 6.8
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
Benzo(ghi)perylene	NV	NV	NV	NA	--	--
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	--	--
Chrysene	95.5	137	Method B CAR	NA	--	--
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	--	--
Naphthalene	4.45	5	Method A	NA	--	--
Phenanthrene	NV	NV	NV	NA	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--
Hydrocarbon Identification (Presence/Absence)						
Gasoline-Range Organics	NV	NV	NV	NA	ND	ND
Diesel-Range Organics	NV	NV	NV	NA	ND	ND
Heavy-Oil-Range Organics	NV	NV	NV	NA	ND	ND
Total Petroleum Hydrocarbons (mg/kg)						
Gasoline-Range Organics	NV	30	Method A	NA	--	--
Diesel-Range Organics	NV	2000	Method A	NA	--	--
Heavy-Oil-Range Organics	NV	2000	Method A	NA	--	--
Calculated Totals (mg/kg)						
cPAH TEQ by 8270	2.33	0.1	Method A	NA	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	--	--
Total Naphthalenes by 8270	4.46	5	Method A	NA	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	--	--
Total PCBs	NV	1	Method A	NA	--	--
Total Xylenes	14.4	9	Method A	NA	--	--

Table F-1
2012 to 2017 Soil Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**.

Detected concentrations are compared to MTCA Method A, Unrestricted Land Use CULs, or MTCA Method B CULs if no MTCA Method A value is available. Results are also compared to soil concentrations protective of groundwater at 13 degrees Celsius and natural background soil metals concentrations, if available. If the natural background concentration is greater than the MTCA Method A/B CUL and/or the soil concentration protective of groundwater, the natural background concentration is used as the CUL.

Exceedances of both MTCA Method A/B CULs and soil concentrations protective of groundwater are shaded purple.

Exceedances of only the soil concentrations protective of groundwater are shaded blue.

Exceedances of only the MTCA Method A/B CULs are shaded green.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 = U.S. Environmental Protection Agency Method 8270.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

cPAH TEQ = carcinogenic polycyclic aromatic hydrocarbon toxic equivalency quotient.

CUL = cleanup level.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

J = result is an estimated value.

Method A = MTCA Method A CUL for unrestricted land use.

Method B CAR = MTCA Method B standard formula value CUL for carcinogenic compounds.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

mg/kg = milligrams per kilogram (parts per million).

MTCA = Model Toxics Control Act.

NA = not available.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

U = analyte not detected at or above the method reporting limit.

[a]Saturated soil sample. Results are compared to CULs only for reference purposes and will not be included in the characterization of extent of contamination requiring remediation. Groundwater results will be used to characterize the extent of contamination below the water table. Saturated soil results will inform future remedial design, if in situ groundwater treatment cleanup options are considered.

[b]Natural background soil metals concentrations, based on the Washington State state-wide values obtained from Ecology's soil natural background guidance (Ecology, 1994).

Table F-2
2016 and 2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP33	GP33	GP33[a]	GP34	GP34	GP34[a]	GP35	GP35	GP35[a]	GP53
				Sample Name	GP33-S-6.0	GP33-S-7.0	GP33-S-8.0	GP34-S-2.5	GP34-S-6.4	GP34-S-7.5	GP35-S-5.5	GP35-S-6.5	GP35-S-12.0	GP53-S-1.0
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/17/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	6.8-7.2	7.8-8.2	2.3-2.7	6.2-6.6	7.3-7.7	5.3-5.7	6.3-6.7	11.8-12.2	0-1.6
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Metals (mg/kg)														
Arsenic	2.92	20	Method A	7	--	--	--	--	--	--	--	--	--	12 U
Cadmium	0.69	2	Method A	1	--	--	--	--	--	--	--	--	--	0.6 U
Chromium	480000	2000	Method A	42	--	--	--	--	--	--	--	--	--	**22**
Lead	3000	250	Method A	17	--	--	--	--	--	--	--	--	--	**72**
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	0.0253	27.8	NV	NA	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-2
2016 and 2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP33	GP33	GP33[a]	GP34	GP34	GP34[a]	GP35	GP35	GP35[a]	GP53
				Sample Name	GP33-S-6.0	GP33-S-7.0	GP33-S-8.0	GP34-S-2.5	GP34-S-6.4	GP34-S-7.5	GP35-S-5.5	GP35-S-6.5	GP35-S-12.0	GP53-S-1.0
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/17/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	6.8-7.2	7.8-8.2	2.3-2.7	6.2-6.6	7.3-7.7	5.3-5.7	6.3-6.7	11.8-12.2	0-1.6
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Acetone	28.9	72000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	--	--	--	--	--	--	--	--	--	0.02 UJ
Bromobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bromomethane	0.0503	112	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--	--	--	--	--	--	--	--	0.072 UJ
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	0.072 UJ
Methyl iodide	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	Method A	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	0.072 UJ
sec-Butylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Styrene	2.23	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	Method A	NA	--	--	--	--	--	--	--	--	--	--

Table F-2
2016 and 2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP33	GP33	GP33[a]	GP34	GP34	GP34[a]	GP35	GP35	GP35[a]	GP53
				Sample Name	GP33-S-6.0	GP33-S-7.0	GP33-S-8.0	GP34-S-2.5	GP34-S-6.4	GP34-S-7.5	GP35-S-5.5	GP35-S-6.5	GP35-S-12.0	GP53-S-1.0
				Sample Date	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/17/2016
				Sample Depth Interval (ft bgs)	5.8-6.2	6.8-7.2	7.8-8.2	2.3-2.7	6.2-6.6	7.3-7.7	5.3-5.7	6.3-6.7	11.8-12.2	0-1.6
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Toluene	4.52	7	Method A	NA	--	--	--	--	--	--	--	--	--	0.072 UJ
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	Method A	NA	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	0.0083 U	0.0089 U	**1.9**	0.0085 U	0.0091 U	**1.5**	0.0091 U	0.0092 U	0.0091 U	**0.34**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	0.0083 U	0.0089 U	**3**	0.0085 U	0.0091 U	**0.41**	0.0091 U	0.0092 U	0.0091 U	**0.36**
Acenaphthene	97.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	**0.012**
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	**0.019**
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	**0.036**
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	**0.079**
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	**0.066**
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	--	--	--	--	--	--	--	--	--	**0.1**
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	**0.043**
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	--	--	--	--	--	--	--	--	--	**0.021**
Chrysene	95.5	137	Method B CAR	NA	--	--	--	--	--	--	--	--	--	**0.099**
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	--	--	--	--	--	--	--	--	--	**0.011**
Fluoranthene	631.00	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	**0.13**
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	**0.022**
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	--	--	--	--	--	--	--	--	--	**0.049**
Naphthalene	4.45	5	Method A	NA	0.0083 U	0.0089 U	**0.65**	0.0085 U	0.0091 U	**0.27**	0.0091 U	0.0092 U	0.0091 U	**0.22**
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	**0.21**
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	**0.11**
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-Range Organics	NV	30	Method A	NA	--	--	--	--	--	--	--	--	--	7.2 UJ
Diesel-Range Organics	NV	2000	Method A	NA	31 U	33 U	**8000**	32 U	34 U	**3100**	34 U	34 U	34 U	**140 J**
Heavy-Oil-Range Organics	NV	2000	Method A	NA	62 U	66 U	360 U	64 U	68 U	110 U	68 U	69 U	69 U	**300 J**
Calculated Totals (mg/kg)														
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	**0.093**
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	ND	ND	**5.55**	ND	ND	**2.18**	ND	ND	ND	**0.92**
Total Xylenes	14.4	9	Method A	NA	--	--	--	--	--	--	--	--	--	ND

Table F-2
2016 and 2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

					Location	BASE02[a]	BASE03[a]	ESW01	ESW02	NSW02	SSW01	SSW02	SSW03	WSW02	MW06
					Sample Name	BASE02-S-10.0	BASE03-S-15.0	ESW01-S-6.0	ESW02-S-7.5	NSW02-S-7.5	SSW01-S-3.0	SSW02-S-6.0	SSW03-S-7.5	WSW02-S-7.5	MW06-S-1.2
					Sample Date	09/27/2016	09/29/2016	09/27/2016	09/30/2016	09/29/2016	09/27/2016	09/27/2016	09/29/2016	09/29/2016	4/24/2017
					Sample Depth Interval (ft bgs)	10	15	6	7.5	7.5	3	6	7.5	7.5	1.0 - 1.4
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]											
Metals (mg/kg)															
Arsenic	2.92	20	Method A	7	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	--	--	--	--	--	--	--	--	--	--	--
Chromium	480000	2000	Method A	42	--	--	--	--	--	--	--	--	--	--	--
Lead	3000	250	Method A	17	6.6 U	7.9 U	6.6 U	6.7 U	7.1 U	**6.8**	**13**	5.6 U	6.8 U	--	
Volatile Organic Compounds (mg/kg)															
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0019 U	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	0.0015 U	0.0023 U	0.0014 U	0.0015 U	0.093 U	0.0017 U	0.0013 U	0.0017 U	0.081 U	--	
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	0.0015 U	0.0023 U	0.0014 U	0.0015 U	0.0016 U	0.0017 U	0.0013 U	0.0017 U	0.0017 U	--	
1,2-Dichloropropane	0.0253	27.8	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
2-Butanone	NV	48000	Method B NCAR	NA	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
2-Hexanone	NV	NV	NV	NA	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--	--

Table F-2
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Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

					Location	BASE02[a]	BASE03[a]	ESW01	ESW02	NSW02	SSW01	SSW02	SSW03	WSW02	MW06
					Sample Name	BASE02-S-10.0	BASE03-S-15.0	ESW01-S-6.0	ESW02-S-7.5	NSW02-S-7.5	SSW01-S-3.0	SSW02-S-6.0	SSW03-S-7.5	WSW02-S-7.5	MW06-S-1.2
					Sample Date	09/27/2016	09/29/2016	09/27/2016	09/30/2016	09/29/2016	09/27/2016	09/27/2016	09/29/2016	09/29/2016	4/24/2017
					Sample Depth Interval (ft bgs)	10	15	6	7.5	7.5	3	6	7.5	7.5	1.0 - 1.4
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]											
Acetone	28.9	72000	Method B NCAR	NA		**0.019 J**	--	**0.015 J**	--	--	**0.02 J**	0.0067 U	--	--	--
Benzene	0.0274	0.03	Method A	NA		0.0015 U	0.0023 U	0.0014 U	0.0015 U	0.0016 U	0.0017 U	0.0013 U	0.0017 U	0.0017 U	--
Bromobenzene	NV	NV	NV	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Bromoform	0.362	127	Method B CAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Bromomethane	0.0503	112	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Chlorobromomethane	NV	NV	NV	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Chloroethane	NV	NV	NV	NA		0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Chloromethane	NV	NV	NV	NA		0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Dibromomethane	NV	800	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Ethylbenzene	6.05	6	Method A	NA		0.0015 U	0.0023 U	0.0014 U	0.0015 U	**0.41**	0.0017 U	0.0013 U	0.0017 U	**0.22**	--
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA		0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
m,p-Xylene	NV	NV	NV	NA		0.003 U	0.0046 U	0.0028 U	0.003 U	**0.92**	0.0035 U	0.0027 U	0.0033 U	**0.35**	--
Methyl iodide	NV	NV	NV	NA		0.01 U	--	0.0095 U	--	--	0.012 U	0.0067 U	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA		0.0015 U	0.0023 U	0.0014 U	0.0015 U	0.0016 U	0.0017 U	0.0013 U	0.0017 U	0.0017 U	--
Methylene chloride	0.0215	0.02	Method A	NA		0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--
Naphthalene	4.45	5	Method A	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA		0.083 U	0.11 U	0.088 U	0.082 U	0.95 U	0.095 U	0.075 U	0.066 U	0.84 U	--
n-Propylbenzene	NV	8000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA		0.0015 U	0.0023 U	0.0014 U	0.0015 U	0.093 U	0.0017 U	0.0013 U	0.0017 U	0.081 U	--
sec-Butylbenzene	NV	8000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Styrene	2.23	16000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Tetrachloroethene	0.05	0.05	Method A	NA		0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--

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				Location	BASE02[a]	BASE03[a]	ESW01	ESW02	NSW02	SSW01	SSW02	SSW03	WSW02	MW06
				Sample Name	BASE02-S-10.0	BASE03-S-15.0	ESW01-S-6.0	ESW02-S-7.5	NSW02-S-7.5	SSW01-S-3.0	SSW02-S-6.0	SSW03-S-7.5	WSW02-S-7.5	MW06-S-1.2
				Sample Date	09/27/2016	09/29/2016	09/27/2016	09/30/2016	09/29/2016	09/27/2016	09/27/2016	09/29/2016	09/29/2016	4/24/2017
				Sample Depth Interval (ft bgs)	10	15	6	7.5	7.5	3	6	7.5	7.5	1.0 - 1.4
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Toluene	4.52	7	Method A	NA	0.0076 U	0.011 U	0.007 U	0.0074 U	0.46 U	0.0087 U	0.0067 U	0.0083 U	0.4 U	--
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Trichloroethene	0.518	0.03	Method A	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	0.0088 U	**0.017**	0.0088 U	**0.075**	**18**	**0.027**	0.0074 U	0.0075 U	**10**	**0.06**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	0.0088 U	**0.02**	0.0088 U	**0.016**	**27**	**0.0094**	0.0074 U	0.0075 U	**15**	**0.022**
Acenaphthene	97.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	137	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	0.0088 U	0.011 U	0.0088 U	**0.047**	**8.2**	**0.0084**	0.0074 U	0.0075 U	**2.4**	**0.02**
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-Range Organics	NV	30	Method A	NA	8.3 U	11 U	8.8 U	8.2 U	95 U	9.5 U	7.5 U	6.6 U	84 U	--
Diesel-Range Organics	NV	2000	Method A	NA	33 U	40 U	33 U	**270**	**14000**	28 U	**820**	28 U	**9600**	32 U
Heavy-Oil-Range Organics	NV	2000	Method A	NA	66 U	79 U	66 U	68 U	430 U	56 U	400 U	56 U	370 U	64 U
Calculated Totals (mg/kg)														
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	ND	**0.0395**	ND	**0.138**	**53.2**	**0.0448**	ND	ND	**27.4**	**0.102**
Total Xylenes	14.4	9	Method A	NA	ND	ND	ND	ND	**0.9665**	ND	ND	ND	**0.3905**	--

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				Location	MW06	MW06[a]
				Sample Name	MW06-S-5.2	MW06-S-5.8
				Sample Date	4/24/2017	4/24/2017
				Sample Depth Interval (ft bgs)	5.0 - 5.3	5.5 - 6.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
Metals (mg/kg)						
Arsenic	2.92	20	Method A	7	--	--
Cadmium	0.69	2	Method A	1	--	--
Chromium	480000	2000	Method A	42	--	--
Lead	3000	250	Method A	17	--	--
Volatile Organic Compounds (mg/kg)						
1,1,1,2-Tetrachloroethane	NV	38	Method B CAR	NA	--	--
1,1,1-Trichloroethane	1.49	2	Method A	NA	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	Method B CAR	NA	--	--
1,1,2-Trichloroethane	0.0277	17.5	Method B CAR	NA	--	--
1,1-Dichloroethane	0.0407	175	Method B NCAR	NA	--	--
1,1-Dichloroethene	0.0457	4000	Method B NCAR	NA	--	--
1,1-Dichloropropene	NV	NV	NV	NA	--	--
1,2,3-Trichlorobenzene	NV	NV	NV	NA	--	--
1,2,3-Trichloropropane	NV	0.0333	Method B CAR	NA	--	--
1,2,4-Trichlorobenzene	0.562	34.5	Method B CAR	NA	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	Method B CAR	NA	--	--
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--
1,2-Dichloropropane	0.0253	27.8	NV	NA	--	--
1,3,5-Trimethylbenzene	NV	800	Method B NCAR	NA	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--
1,3-Dichloropropane	NV	NV	NV	NA	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--
2,2-Dichloropropane	NV	NV	NV	NA	--	--
2-Butanone	NV	48000	Method B NCAR	NA	--	--
2-Chloroethylvinyl ether	NV	NV	NV	NA	--	--
2-Chlorotoluene	NV	1600	Method B NCAR	NA	--	--
2-Hexanone	NV	NV	NV	NA	--	--
4-Chlorotoluene	NV	NV	NV	NA	--	--
4-Isopropyltoluene	NV	NV	NV	NA	--	--
4-Methyl-2-pentanone	NV	6400	Method B NCAR	NA	--	--

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VSF Properties, LLC, North Cascade Ford Property
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				Location	MW06	MW06[a]
				Sample Name	MW06-S-5.2	MW06-S-5.8
				Sample Date	4/24/2017	4/24/2017
				Sample Depth Interval (ft bgs)	5.0 - 5.3	5.5 - 6.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
Acetone	28.9	72000	Method B NCAR	NA	--	--
Benzene	0.0274	0.03	Method A	NA	--	--
Bromobenzene	NV	NV	NV	NA	--	--
Bromodichloromethane	0.0392	16.1	Method B CAR	NA	--	--
Bromoform	0.362	127	Method B CAR	NA	--	--
Bromomethane	0.0503	112	Method B NCAR	NA	--	--
Carbon disulfide	5.04	8000	Method B NCAR	NA	--	--
Carbon tetrachloride	0.0416	14.3	Method B CAR	NA	--	--
Chlorobenzene	0.862	1600	Method B NCAR	NA	--	--
Chlorobromomethane	NV	NV	NV	NA	--	--
Chloroethane	NV	NV	NV	NA	--	--
Chloroform	0.0736	32.3	Method B NCAR	NA	--	--
Chloromethane	NV	NV	NV	NA	--	--
cis-1,2-Dichloroethene	0.0781	160	Method B NCAR	NA	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	--	--
Dibromochloromethane	0.0276	11.9	Method B CAR	NA	--	--
Dibromomethane	NV	800	Method B NCAR	NA	--	--
Dichlorodifluoromethane	NV	16000	Method B NCAR	NA	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--
Hexachlorobutadiene	0.605	12.8	Method B CAR	NA	--	--
Isopropylbenzene	NV	8000	Method B NCAR	NA	--	--
m,p-Xylene	NV	NV	NV	NA	--	--
Methyl iodide	NV	NV	NV	NA	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--
Methylene chloride	0.0215	0.02	Method A	NA	--	--
Naphthalene	4.45	5	Method A	NA	--	--
n-Butylbenzene	NV	4000	Method B NCAR	NA	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--
n-Propylbenzene	NV	8000	Method B NCAR	NA	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--
sec-Butylbenzene	NV	8000	Method B NCAR	NA	--	--
Styrene	2.23	16000	Method B NCAR	NA	--	--
tert-Butylbenzene	NV	8000	Method B NCAR	NA	--	--
Tetrachloroethene	0.05	0.05	Method A	NA	--	--

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2016 and 2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
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				Location	MW06	MW06[a]
				Sample Name	MW06-S-5.2	MW06-S-5.8
				Sample Date	4/24/2017	4/24/2017
				Sample Depth Interval (ft bgs)	5.0 - 5.3	5.5 - 6.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]		
Toluene	4.52	7	Method A	NA	--	--
trans-1,2-dichloroethene	0.518	1600	Method B NCAR	NA	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	--	--
Trichloroethene	0.518	0.03	Method A	NA	--	--
Trichlorofluoromethane	NV	24000	Method B NCAR	NA	--	--
Vinyl Acetate	33	80000	Method B NCAR	NA	--	--
Vinyl chloride	0.00167	0.67	Method B CAR	NA	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)						
1-Methylnaphthalene	NV	35	Method B CAR	NA	0.0088 U	0.0091 U
2-Methylnaphthalene	NV	320	Method B NCAR	NA	0.0088 U	0.0091 U
Acenaphthene	97.9	4800	Method B NCAR	NA	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	--	--
Chrysene	95.5	137	Method B CAR	NA	--	--
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	--	--
Naphthalene	4.45	5	Method A	NA	0.0088 U	0.0091 U
Phenanthrene	NV	NV	NV	NA	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--
Total Petroleum Hydrocarbons (mg/kg)						
Gasoline-Range Organics	NV	30	Method A	NA	--	--
Diesel-Range Organics	NV	2000	Method A	NA	33 U	34 U
Heavy-Oil-Range Organics	NV	2000	Method A	NA	66 U	69 U
Calculated Totals (mg/kg)						
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	ND	ND
Total Xylenes	14.4	9	Method A	NA	--	--

Table F-2
2016 and 2017 Soil Analytical Results—Area of Concern 2
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**.

Detected concentrations are compared to MTCA Method A, Unrestricted Land Use CULs, or MTCA Method B CULs if no MTCA Method A value is available. Results are also compared to soil concentrations protective of groundwater at 13 degrees Celsius and natural background soil metals concentrations, if available. If the natural background concentration is greater than the MTCA Method A/B CUL and/or the soil concentration protective of groundwater, the natural background concentration is used as the CUL.

Exceedances of both MTCA Method A/B CULs and soil concentrations protective of groundwater are shaded purple.

Exceedances of only the MTCA Method A/B CULs are shaded green.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

cPAH TEQ = carcinogenic polycyclic aromatic hydrocarbon toxic equivalency quotient.

CUL = cleanup level.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

J = result is an estimated value.

Method A = MTCA Method A, Unrestricted Land Use Table Value, CUL.

Method B CAR = MTCA Method B, Standard Formula Value, CUL for carcinogenic compounds.

Method B NCAR = MTCA Method B, Standard Formula Value, CUL for noncarcinogenic compounds.

mg/kg = milligrams per kilogram (parts per million).

MTCA = Model Toxics Control Act.

NA = not available.

ND = not detected.

NV = no value.

U = analyte not detected at or above method reporting limit.

[a]Saturated soil sample. Results are compared to CULs only for reference purposes and will not be included in the characterization of extent of contamination requiring remediation. Groundwater results will be used to characterize the extent of contamination below the water table. Saturated soil results will inform future remedial design, if in situ groundwater treatment cleanup options are considered.

[b]Natural background soil metals concentrations, based on the Washington State state-wide values obtained from Ecology's soil natural background guidance (Ecology, 1994).

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

					Location	GP05	GP05	GP09	GP09	GP19	GP22	GP23	GP24	GP25
					Sample Name	GP5-S-2	GP5-S-5.6	GP9-S-2	GP9-S-5.6	GP19-S-0.7	GP22-S-1.8	GP23-S-0.9	GP24-S-0.8	GP25-S-1.1
					Sample Date	05/08/2012	05/08/2012	05/08/2012	05/08/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Sample Depth Interval (ft bgs)	1.5-2.6	5-6.3	1.1-3	5-6.2	0.3-3.1	1.3-2.3	0.4-1.4	0.3-1.2	0.6-1.6
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Metals (mg/kg)														
Arsenic	2.92	20	Method A	7	**26.4**	**1.9**	**3.5**	**8.6**	**2.1**	**6.9**	**2.2**	**9.2**	**7.9**
Barium	1650	16000	Method B NCAR	NA	**681**	**36.7**	**386**	**66.8**	--	--	--	--	--
Cadmium	0.69	2	Method A	1	**1.9**	0.1 U	**0.2**	0.1 U	0.3 U	**2.1**	**0.6**	**3.3**	**0.9**
Chromium	480000	2000	Method A	42	**33**	**10.3**	**13.2**	**33.2**	--	--	--	--	--
Lead	3000	250	Method A	17	**452**	**2**	**16.1**	**14.7**	**14**	**172**	**33**	**111**	**70**
Mercury	2.09	2	Method A	0.07	**0.39**	0.02 U	**0.03**	**0.05**	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	0.7 U	0.7 U	0.7 U	0.7 U	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	**0.3**	0.3 U	0.3 U	oil?+M2:BV2 U	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)														
Aroclor 1016	NV	14.3	Method B NCAR	NA	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	**0.045**	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	**0.035**	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)														
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA									
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	Method A	NA	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	0.3 U	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	**1.4**	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	1.5 U	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

					Location	GP05	GP05	GP09	GP09	GP19	GP22	GP23	GP24	GP25
					Sample Name	GP5-S-2	GP5-S-5.6	GP9-S-2	GP9-S-5.6	GP19-S-0.7	GP22-S-1.8	GP23-S-0.9	GP24-S-0.8	GP25-S-1.1
					Sample Date	05/08/2012	05/08/2012	05/08/2012	05/08/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Sample Depth Interval (ft bgs)	1.5-2.6	5-6.3	1.1-3	5-6.2	0.3-3.1	1.3-2.3	0.4-1.4	0.3-1.2	0.6-1.6
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	1.5 U	--	--	--	--	--	--	--	--	
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	1.5 U	--	--	--	--	--	--	--	--	
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	3 U	--	--	--	--	--	--	--	--	
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	1.5 U	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	1.5 U	--	--	--	--	--	--	--	--	
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	
2-Chlorophenol	0.471	400	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**1.4**	--	--	--	--	--	--	--	--	
2-Methylphenol	NV	4000	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	
2-Nitroaniline	NV	800	Method B NCAR	NA	1.5 U	--	--	--	--	--	--	--	--	
2-Nitrophenol	NV	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--	
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	1.5 U	--	--	--	--	--	--	--	--	
3-Nitroaniline	NV	NV	NV	NA	1.5 U	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	3 U	--	--	--	--	--	--	--	--	
4-Bromophenylphenyl ether	NV	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--	
4-Chloro-3-methylphenol	NV	NV	NV	NA	1.5 U	--	--	--	--	--	--	--	--	
4-Chloroaniline	0.0012	5	Method B CAR	NA	1.5 U	--	--	--	--	--	--	--	--	
4-Chlorophenylphenyl ether	NV	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--	
4-Methylphenol	NV	400	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	
4-Nitroaniline	NV	NV	NV	NA	1.5 U	--	--	--	--	--	--	--	--	
4-Nitrophenol	NV	NV	NV	NA	1.5 U	--	--	--	--	--	--	--	--	
Acenaphthene	97.89	4800	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	
Acenaphthylene	NV	1	Method B NCAR	NA	**0.54**	--	--	--	--	--	--	--	--	
Anthracene	NV	24000	Method B NCAR	NA	**1.2**	--	--	--	--	--	--	--	--	
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	**7**	--	--	--	--	--	--	--	--	
Benzo(a)pyrene	2.33	0.1	Method A	NA	**8.2**	--	--	--	--	--	--	--	--	
Benzo(ghi)perylene	NV	NV	NV	NA	**6**	--	--	--	--	--	--	--	--	
Benzoic acid	256.77	320000	Method B NCAR	NA	3 U	--	--	--	--	--	--	--	--	
Benzyl alcohol	NV	8000	Method B NCAR	NA	1.5 U	--	--	--	--	--	--	--	--	
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--	
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

					Location	GP05	GP05	GP09	GP09	GP19	GP22	GP23	GP24	GP25
					Sample Name	GP5-S-2	GP5-S-5.6	GP9-S-2	GP9-S-5.6	GP19-S-0.7	GP22-S-1.8	GP23-S-0.9	GP24-S-0.8	GP25-S-1.1
					Sample Date	05/08/2012	05/08/2012	05/08/2012	05/08/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Sample Depth Interval (ft bgs)	1.5-2.6	5-6.3	1.1-3	5-6.2	0.3-3.1	1.3-2.3	0.4-1.4	0.3-1.2	0.6-1.6
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Butylbenzylphthalate	12.85	530	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NV	NA	**0.85**	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	**7.3**	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	**2.3**	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	**0.4**	--	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	**16**	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	1.5 U	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	**5.3**	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	**1.5**	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	0.3 U	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	1.5 U	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	**5.5**	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	0.3 U	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	**10**	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	**13**	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	**1.9**	**0.0025** J	**0.8**	**0.0037** J	**1.7**	**0.87**	**0.11**	**1.4**	**0.2**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**2.4**	**0.0026** J	**0.78**	**0.0032** J	**1.1**	**0.96**	**0.12**	**1.9**	**0.25**
Acenaphthene	97.9	4800	Method B NCAR	NA	0.097 U	0.0048 U	0.0048 U	0.0049 U	**0.0068**	**0.032**	0.013 U	**0.054**	**0.011**
Acenaphthylene	NV	1	Method B NCAR	NA	**0.43**	0.0048 U	0.0048 U	0.0049 U	0.0049 U	**0.25**	**0.015**	**1**	**0.025**
Anthracene	NV	24000	Method B NCAR	NA	**1.1**	0.0048 U	**0.051**	0.0049 U	**0.036**	**0.34**	**0.012** J	**0.4**	**0.031**
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	**7.4**	**0.0025** J	**0.069**	0.0049 U	**0.08**	**0.83**	**0.046**	**1.6**	**0.13**
Benzo(a)pyrene	2.33	0.1	Method A	NA	**8.7**	**0.0024** J	**0.054**	0.0049 U	**0.048**	**1.2**	**0.06**	**1.9**	**0.17**

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP05	GP05	GP09	GP09	GP19	GP22	GP23	GP24	GP25
				Sample Name	GP5-S-2	GP5-S-5.6	GP9-S-2	GP9-S-5.6	GP19-S-0.7	GP22-S-1.8	GP23-S-0.9	GP24-S-0.8	GP25-S-1.1
				Sample Date	05/08/2012	05/08/2012	05/08/2012	05/08/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012
				Sample Depth Interval (ft bgs)	1.5-2.6	5-6.3	1.1-3	5-6.2	0.3-3.1	1.3-2.3	0.4-1.4	0.3-1.2	0.6-1.6
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]									
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	**6.4**	**0.0032** J	**0.026**	0.0049 U	**0.024**	**1.3**	**0.042**	**1.4**	**0.13**
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	--	--	--	--	--	--	--	--	--
Chrysene	95.5	137	Method B CAR	NA	**7.7**	**0.0025** J	**0.13**	0.0049 U	**0.16**	**1.1**	**0.083**	**1.9**	**0.27**
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	**1.5**	0.0048 U	**0.012**	0.0049 U	**0.015**	**0.2**	**0.0098** J	**0.4**	**0.04**
Dibenzofuran	NV	80	Method B NCAR	NA	**0.57**	0.0048 U	**0.19**	0.0049 U	**0.24**	**0.23**	**0.028**	**0.31**	**0.069**
Fluoranthene	631.00	3200	Method B NCAR	NA	**16**	**0.004** J	**0.088**	0.0049 U	**0.057**	**2.2**	**0.091**	**2.3**	**0.53**
Fluorene	101	3200	Method B NCAR	NA	**0.23**	0.0048 U	**0.015**	0.0049 U	0.0049 U	**0.1**	**0.0083** J	**0.13**	**0.013**
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	**5.6**	0.0048 U	**0.018**	0.0049 U	**0.0074**	**1**	**0.032**	**1.2**	**0.13**
Naphthalene	4.45	5	Method A	NA	**1.9**	**0.0025** J	**0.38**	**0.0027** J	**0.29**	**0.77**	**0.074**	**2.1**	**0.16**
Phenanthrene	NV	NV	NV	NA	**4.8**	0.0048 U	**0.53**	**0.0029** J	**0.83**	**2.1**	**0.14**	**1.9**	**0.66**
Pyrene	655	2400	Method B NCAR	NA	**15**	**0.0044** J	**0.099**	0.0049 U	**1.1**	**3.2**	**0.15**	**3.9**	**0.7**
Total Benzofluoranthenes	NV	NV	NV	NA	**14**	0.0048 U	**0.067**	0.0049 U	**0.057**	**1.8**	**0.13**	**2.7**	**0.32**
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range Organics	NV	NV	NV	NA	ND	ND	ND	ND	--	--	--	--	--
Diesel-Range Organics	NV	NV	NV	NA	**DETECT**	ND	ND	ND	--	--	--	--	--
Heavy-Oil-Range Organics	NV	NV	NV	NA	**DETECT**	ND	ND	ND	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)													
Gasoline-Range Organics	NV	30	Method A	NA	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NV	2000	Method A	NA	**460**	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NV	2000	Method A	NA	**710**	--	--	--	--	--	--	--	--
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	Method A	NA	**11**	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	**12**	**0.0034 J**	**0.072**	ND	**0.066**	**1.6**	**0.083**	**2.5**	**0.23**
Total Naphthalenes by 8270	4.46	5	Method A	NA	**4**	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	**6.2**	**0.0076 J**	**2.0**	**0.0096 J**	**3.1**	**2.6**	**0.30**	**5.4**	**0.61**
Total PCBs	NV	1	Method A	NA	**0.16**	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

					Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42[a]	GP50	GP50
					Sample Name	GP26-S-1.7	GP29-S-1.0	GP30-S-0.8	GP31-S-0.9	GP32-S-1.2	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP50-S-1.5	GP50-S-6.5
					Sample Date	12/04/2012	12/04/2012	12/04/2012	12/04/2012	12/04/2012	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016
					Sample Depth Interval (ft bgs)	1.1-2.4	0.5-1.5	0.5-2.1	0.4-1.3	0.8-1.5	1.0-2.2	5.8-6.8	12.0-13.0	1.0-1.75	6.3-7.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]											
Metals (mg/kg)															
Arsenic	2.92	20	Method A	7	**9.9**	**4.7**	**7.1**	**6.5**	**6.3**	--	--	--	12 U	13 U
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	**1.3**	**0.4**	**0.4**	**3.1**	**0.7**	--	--	--	0.62 U	0.67 U
Chromium	480000	2000	Method A	42	--	--	--	--	--	--	--	--	**46**	**32**
Lead	3000	250	Method A	17	**126**	**8**	**54**	**334**	**96**	--	--	--	**310**	6.7 U
Mercury	2.09	2	Method A	0.07	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)															
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)															
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA						--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	Method A	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)															
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42[a]	GP50	GP50
				Sample Name	GP26-S-1.7	GP29-S-1.0	GP30-S-0.8	GP31-S-0.9	GP32-S-1.2	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP50-S-1.5	GP50-S-6.5
				Sample Date	12/04/2012	12/04/2012	12/04/2012	12/04/2012	12/04/2012	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016
				Sample Depth Interval (ft bgs)	1.1-2.4	0.5-1.5	0.5-2.1	0.4-1.3	0.8-1.5	1.0-2.2	5.8-6.8	12.0-13.0	1.0-1.75	6.3-7.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42[a]	GP50	GP50
				Sample Name	GP26-S-1.7	GP29-S-1.0	GP30-S-0.8	GP31-S-0.9	GP32-S-1.2	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP50-S-1.5	GP50-S-6.5
				Sample Date	12/04/2012	12/04/2012	12/04/2012	12/04/2012	12/04/2012	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016
				Sample Depth Interval (ft bgs)	1.1-2.4	0.5-1.5	0.5-2.1	0.4-1.3	0.8-1.5	1.0-2.2	5.8-6.8	12.0-13.0	1.0-1.75	6.3-7.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	**7.8**	**0.13**	**3.1**	**1.5**	**1**	**0.52**	0.0091 U	0.0096 U	**0.14**	0.0089 U
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**9.2**	**0.12**	**3.3**	**1.7**	**1.2**	**0.65**	0.0091 U	0.0096 U	**0.15**	0.0089 U
Acenaphthene	97.9	4800	Method B NCAR	NA	**0.096**	**0.0033** J	**0.018**	**0.0074** J	**0.0095**	**0.11**	0.0091 U	0.023	0.0083 U	0.0089 U
Acenaphthylene	NV	1	Method B NCAR	NA	0.03 U	0.0047 U	0.0046 U	**0.15**	**0.015**	**0.037**	0.0091 U	0.0096 U	**0.018**	0.0089 U
Anthracene	NV	24000	Method B NCAR	NA	**0.51**	**0.016**	**0.19**	**0.24**	**0.05**	**0.25**	0.0091 U	0.0096 U	**0.036**	0.0089 U
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	**0.95**	**0.024**	**0.38**	**0.62**	**0.11**	**0.33**	0.0091 U	0.0096 U	**0.054**	0.0089 U
Benzo(a)pyrene	2.33	0.1	Method A	NA	**0.78**	**0.033**	**0.31**	**0.99**	**0.11**	**0.25**	0.0091 U	0.0096 U	**0.055**	0.0089 U

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
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VSF Properties, LLC, North Cascade Ford Property
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					Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42[a]	GP50	GP50
					Sample Name	GP26-S-1.7	GP29-S-1.0	GP30-S-0.8	GP31-S-0.9	GP32-S-1.2	GP42-S-1.5	GP42-S-6.0	GP42-S-12.5	GP50-S-1.5	GP50-S-6.5
					Sample Date	12/04/2012	12/04/2012	12/04/2012	12/04/2012	12/04/2012	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016
					Sample Depth Interval (ft bgs)	1.1-2.4	0.5-1.5	0.5-2.1	0.4-1.3	0.8-1.5	1.0-2.2	5.8-6.8	12.0-13.0	1.0-1.75	6.3-7.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]											
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA		--	--	--	--	--	**0.33**	0.0091 U	0.0096 U	**0.071**	0.0089 U
Benzo(ghi)perylene	NV	NV	NV	NA		**0.39**	**0.015**	**0.11**	**0.95**	**0.066**	**0.13**	0.0091 U	0.0096 U	**0.044**	0.0089 U
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA		--	--	--	--	--	**0.095**	0.0091 U	0.0096 U	**0.021**	0.0089 U
Chrysene	95.5	137	Method B CAR	NA		**1.1**	**0.036**	**0.41**	**0.97**	**0.18**	**0.26**	0.0091 U	0.0096 U	**0.06**	0.0089 U
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA		**0.17**	**0.0061**	**0.044**	**0.19**	**0.033**	**0.023**	0.0091 U	0.0096 U	**0.0092**	0.0089 U
Dibenzofuran	NV	80	Method B NCAR	NA		**1.9**	**0.032**	**0.96**	**0.38**	**0.26**	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA		**1.7**	**0.04**	**0.45**	**1.2**	**0.22**	**0.48**	0.0091 U	0.0096 U	**0.091**	0.0089 U
Fluorene	101	3200	Method B NCAR	NA		**0.2**	**0.0063**	**0.035**	**0.043**	**0.019**	**0.1**	0.0091 U	0.0096 U	**0.014**	0.0089 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA		**0.37**	**0.011**	**0.092**	**0.77**	**0.11**	**0.16**	0.0091 U	0.0096 U	**0.044**	0.0089 U
Naphthalene	4.45	5	Method A	NA		**4.7**	**0.07**	**1.9**	**1.2**	**0.68**	**0.47**	0.0091 U	0.0096 U	**0.11**	0.0089 U
Phenanthrene	NV	NV	NV	NA		**6.3**	**0.11**	**1.8**	**1.4**	**0.5**	**0.56**	0.0091 U	0.0096 U	**0.12**	0.0089 U
Pyrene	655	2400	Method B NCAR	NA		**6.1**	**0.064**	**4**	**1.9**	**0.95**	**0.52**	0.0091 U	**0.022**	**0.089**	0.0089 U
Total Benzofluoranthenes	NV	NV	NV	NA		**1.2**	**0.056**	**0.45**	**1.4**	**0.2**	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)															
Gasoline-Range Organics	NV	NV	NV	NA		--	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NV	NV	NV	NA		--	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NV	NV	NV	NA		--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)															
Gasoline-Range Organics	NV	30	Method A	NA		--	--	--	--	--	10 UJ	8.4 UJ	9.2 UJ	6.7 U	8.5 U
Diesel-Range Organics	NV	2000	Method A	NA		--	--	--	--	--	**210**	34 U	36 U	31 U	33 U
Heavy-Oil-Range Organics	NV	2000	Method A	NA		--	--	--	--	--	**500**	68 U	**210**	**92**	67 U
Calculated Totals (mg/kg)															
cPAH TEQ by 8270	2.33	0.1	Method A	NA		--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA		**1.1**	**0.043**	**0.41**	**1.3**	**0.16**	**0.35**	ND	ND	**0.076**	ND
Total Naphthalenes by 8270	4.46	5	Method A	NA		--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA		**22**	**0.32**	**8.3**	**4.4**	**2.9**	**1.64**	ND	ND	**0.4**	ND
Total PCBs	NV	1	Method A	NA		--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA		--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
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				Location	GP50[a]	GP51	GP51	GP51	GP51[a]	GP53	GP55	GP55	GP56	GP57
				Sample Name	GP50-S-13.5	GP51-S-1.5	GP51-S-3.0	GP51-S-7.5	GP51-S-14.5	GP53-S-1.0	GP55-S-1.5	GP55-S-3.0	GP56-S-1.5	GP57-S-1.0
				Sample Date	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016
				Sample Depth Interval (ft bgs)	13.0-14.0	1.2-1.7	2.7-3.0	7.1-7.8	14.3-14.8	0-1.6	1.0-2.0	2.5-3.5	1.0-1.8	0.5-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Metals (mg/kg)														
Arsenic	2.92	20	Method A	7	13 U	--	--	--	--	12 U	--	--	--	12 U
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	0.65 U	--	--	--	--	0.6 U	--	--	--	0.58 U
Chromium	480000	2000	Method A	42	**41**	--	--	--	--	**22**	--	--	--	**17**
Lead	3000	250	Method A	17	6.5 U	--	6.5 U	5.5 U	--	**72**	--	--	--	**16**
Mercury	2.09	2	Method A	0.07	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)														
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)														
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	--	--	**7.7 J**	**0.16 J**	--	0.02 UJ	0.02 UJ	0.02 UJ	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--	**99 J**	**8.7 J**	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--
m,p-Xylene	NV	NV	NV	NA	--	--	**360 J**	**6.4 J**	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	**97 J**	**0.61 J**	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--
Toluene	4.52	7	Method A	NA	--	--	1.5 UJ	0.063 UJ	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50[a]	GP51	GP51	GP51	GP51[a]	GP53	GP55	GP55	GP56	GP57
				Sample Name	GP50-S-13.5	GP51-S-1.5	GP51-S-3.0	GP51-S-7.5	GP51-S-14.5	GP53-S-1.0	GP55-S-1.5	GP55-S-3.0	GP56-S-1.5	GP57-S-1.0
				Sample Date	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016
				Sample Depth Interval (ft bgs)	13.0-14.0	1.2-1.7	2.7-3.0	7.1-7.8	14.3-14.8	0-1.6	1.0-2.0	2.5-3.5	1.0-1.8	0.5-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50[a]	GP51	GP51	GP51	GP51[a]	GP53	GP55	GP55	GP56	GP57
				Sample Name	GP50-S-13.5	GP51-S-1.5	GP51-S-3.0	GP51-S-7.5	GP51-S-14.5	GP53-S-1.0	GP55-S-1.5	GP55-S-3.0	GP56-S-1.5	GP57-S-1.0
				Sample Date	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016
				Sample Depth Interval (ft bgs)	13.0-14.0	1.2-1.7	2.7-3.0	7.1-7.8	14.3-14.8	0-1.6	1.0-2.0	2.5-3.5	1.0-1.8	0.5-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	0.0086 U	--	--	--	--	**0.34**	--	--	--	**0.09**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	0.0086 U	--	--	--	--	**0.36**	--	--	--	**0.073**
Acenaphthene	97.9	4800	Method B NCAR	NA	**0.025**	--	--	--	--	**0.012**	--	--	--	0.0078 U
Acenaphthylene	NV	1	Method B NCAR	NA	0.0086 U	--	--	--	--	**0.019**	--	--	--	0.0078 U
Anthracene	NV	24000	Method B NCAR	NA	0.0086 U	--	--	--	--	**0.036**	--	--	--	**0.0078**
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	0.0086 U	--	--	--	--	**0.079**	--	--	--	**0.012**
Benzo(a)pyrene	2.33	0.1	Method A	NA	0.0086 U	--	--	--	--	**0.066**	--	--	--	**0.0097**

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
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					Location	GP50[a]	GP51	GP51	GP51	GP51[a]	GP53	GP55	GP55	GP56	GP57
					Sample Name	GP50-S-13.5	GP51-S-1.5	GP51-S-3.0	GP51-S-7.5	GP51-S-14.5	GP53-S-1.0	GP55-S-1.5	GP55-S-3.0	GP56-S-1.5	GP57-S-1.0
					Sample Date	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016
					Sample Depth Interval (ft bgs)	13.0-14.0	1.2-1.7	2.7-3.0	7.1-7.8	14.3-14.8	0-1.6	1.0-2.0	2.5-3.5	1.0-1.8	0.5-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]											
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA		0.0086 U	--	--	--	--	**0.1**	--	--	--	**0.02**
Benzo(ghi)perylene	NV	NV	NV	NA		0.0086 U	--	--	--	--	**0.043**	--	--	--	0.0078 U
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA		0.0086 U	--	--	--	--	**0.021**	--	--	--	0.0078 U
Chrysene	95.5	137	Method B CAR	NA		0.0086 U	--	--	--	--	**0.099**	--	--	--	**0.016**
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA		0.0086 U	--	--	--	--	**0.011**	--	--	--	0.0078 U
Dibenzofuran	NV	80	Method B NCAR	NA		--	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA		0.0086 U	--	--	--	--	**0.13**	--	--	--	**0.018**
Fluorene	101	3200	Method B NCAR	NA		0.0086 U	--	--	--	--	**0.022**	--	--	--	0.0078 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA		0.0086 U	--	--	--	--	**0.049**	--	--	--	**0.0081**
Naphthalene	4.45	5	Method A	NA		0.0086 U	--	--	--	--	**0.22**	--	--	--	**0.041**
Phenanthrene	NV	NV	NV	NA		0.0086 U	--	--	--	--	**0.21**	--	--	--	**0.057**
Pyrene	655	2400	Method B NCAR	NA		**0.024**	--	--	--	--	**0.11**	--	--	--	**0.018**
Total Benzofluoranthenes	NV	NV	NV	NA		--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)															
Gasoline-Range Organics	NV	NV	NV	NA		--	ND	**DETECT**	**DETECT**	ND	--	--	--	ND	--
Diesel-Range Organics	NV	NV	NV	NA		--	ND	**DETECT**	**DETECT**	ND	--	--	--	ND	--
Heavy-Oil-Range Organics	NV	NV	NV	NA		--	**DETECT**	ND	ND	ND	--	--	--	ND	--
Total Petroleum Hydrocarbons (mg/kg)															
Gasoline-Range Organics	NV	30	Method A	NA		7.7 U	--	**5300 J**	**1000 J**	--	7.2 UJ	6.1 UJ	8.2 UJ	--	--
Diesel-Range Organics	NV	2000	Method A	NA		32 U	280 U	**4300 J**	**950 J**	--	**140 J**	280 UJ	33 UJ	--	--
Heavy-Oil-Range Organics	NV	2000	Method A	NA		65 U	**3100**	82 U	100 U	--	**300 J**	**3100 J**	65 UJ	--	--
Calculated Totals (mg/kg)															
cPAH TEQ by 8270	2.33	0.1	Method A	NA		--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA		ND	--	--	--	--	**0.093**	--	--	--	**0.015**
Total Naphthalenes by 8270	4.46	5	Method A	NA		--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA		ND	--	--	--	--	**0.92**	--	--	--	**0.204**
Total PCBs	NV	1	Method A	NA		--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA		--	--	**457 J**	**7.01 J**	--	ND	ND	ND	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
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				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64	GP65
				Sample Name	GP58-S-1.5	GP58-S-2.5	GP59-S-2.0	GP59-S-3.0	GP60-S-2.3	GP61-S-1.5	GP62-S-1.0	GP63-S-1.0	GP64-S-1.2	GP65-S-1.0
				Sample Date	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/18/2016	11/18/2016
				Sample Depth Interval (ft bgs)	0.7-1.7	2.0-3.0	1.5-2.5	2.8-3.3	1.8-2.6	1.3-1.7	0.5-1.0	0.8-1.3	0.9-1.6	0.4-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Metals (mg/kg)														
Arsenic	2.92	20	Method A	7	11 U	--	**15**	14 U	11 U	11 U	12 U	11 U	12 U	11 U
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	**0.81**	--	**1.2**	0.72 U	0.57 U	0.53 U	0.59 U	0.53 U	0.58 U	0.57 U
Chromium	480000	2000	Method A	42	**19**	--	**30**	**34**	**38**	**50**	**32**	**34**	**20**	**21**
Lead	3000	250	Method A	17	**160**	--	**260**	**32**	**42**	**6.4**	**36**	**11**	**25**	**54**
Mercury	2.09	2	Method A	0.07	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)														
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)														
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	Method A	NA	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	Method A	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64	GP65
				Sample Name	GP58-S-1.5	GP58-S-2.5	GP59-S-2.0	GP59-S-3.0	GP60-S-2.3	GP61-S-1.5	GP62-S-1.0	GP63-S-1.0	GP64-S-1.2	GP65-S-1.0
				Sample Date	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/18/2016	11/18/2016
				Sample Depth Interval (ft bgs)	0.7-1.7	2.0-3.0	1.5-2.5	2.8-3.3	1.8-2.6	1.3-1.7	0.5-1.0	0.8-1.3	0.9-1.6	0.4-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64	GP65
				Sample Name	GP58-S-1.5	GP58-S-2.5	GP59-S-2.0	GP59-S-3.0	GP60-S-2.3	GP61-S-1.5	GP62-S-1.0	GP63-S-1.0	GP64-S-1.2	GP65-S-1.0
				Sample Date	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/18/2016	11/18/2016
				Sample Depth Interval (ft bgs)	0.7-1.7	2.0-3.0	1.5-2.5	2.8-3.3	1.8-2.6	1.3-1.7	0.5-1.0	0.8-1.3	0.9-1.6	0.4-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	**0.79**	0.0086 U	**0.42**	--	**0.15**	0.0071 U	**0.25**	**0.058**	**0.14**	**0.031**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**1.1**	0.0086 U	**0.46**	--	**0.16**	0.0071 U	**0.35**	**0.066**	**0.14**	**0.03**
Acenaphthene	97.9	4800	Method B NCAR	NA	0.072 U	0.0086 U	**0.017**	--	0.0077 U	0.0071 U	0.0079 U	0.007 U	0.0077 U	0.0076 U
Acenaphthylene	NV	1	Method B NCAR	NA	**1**	0.0086 U	**0.039**	--	**0.0087**	0.0071 U	**0.034**	**0.012**	0.0077 U	0.0076 U
Anthracene	NV	24000	Method B NCAR	NA	**0.8 J**	0.0086 UJ	**0.072 J**	--	**0.016**	0.0071 U	**0.04 J**	**0.017**	**0.015**	0.0076 U
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	**1.6**	0.0086 U	**0.14**	--	**0.031**	0.0071 U	**0.11**	**0.076**	**0.036**	**0.012**
Benzo(a)pyrene	2.33	0.1	Method A	NA	**1.6**	0.0086 U	**0.12**	--	**0.026**	0.0071 U	**0.15**	**0.19**	**0.031**	**0.011**

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
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				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64	GP65
				Sample Name	GP58-S-1.5	GP58-S-2.5	GP59-S-2.0	GP59-S-3.0	GP60-S-2.3	GP61-S-1.5	GP62-S-1.0	GP63-S-1.0	GP64-S-1.2	GP65-S-1.0
				Sample Date	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/18/2016	11/18/2016
				Sample Depth Interval (ft bgs)	0.7-1.7	2.0-3.0	1.5-2.5	2.8-3.3	1.8-2.6	1.3-1.7	0.5-1.0	0.8-1.3	0.9-1.6	0.4-1.3
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	**2**	0.0086 U	**0.17**	--	**0.032**	0.0071 U	**0.24**	**0.19**	**0.035**	**0.014**
Benzo(ghi)perylene	NV	NV	NV	NA	**1**	0.0086 U	**0.069**	--	**0.019**	0.0071 U	**0.11**	**0.24**	**0.021**	**0.0087**
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	**0.49**	0.0086 U	**0.043**	--	**0.0096**	0.0071 U	**0.064**	**0.049**	**0.01**	0.0076 U
Chrysene	95.5	137	Method B CAR	NA	**1.6**	0.0086 U	**0.16**	--	**0.037**	0.0071 U	**0.19**	**0.097**	**0.035**	**0.012**
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	**0.18**	0.0086 U	**0.016**	--	0.0077 U	0.0071 U	**0.018**	**0.022**	0.0077 U	0.0076 U
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	**2.1**	0.0086 U	**0.19**	--	**0.052**	0.0071 U	**0.32**	**0.075**	**0.042**	**0.016**
Fluorene	101	3200	Method B NCAR	NA	**0.17**	0.0086 U	**0.036**	--	0.0077 U	0.0071 U	**0.024**	0.007 U	0.0077 U	0.0076 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	**1**	0.0086 U	**0.074**	--	**0.018**	0.0071 U	**0.12**	**0.2**	**0.02**	**0.0076**
Naphthalene	4.45	5	Method A	NA	**1.3**	0.0086 U	**0.26**	--	**0.089**	0.0071 U	**0.22**	**0.059**	**0.067**	**0.017**
Phenanthrene	NV	NV	NV	NA	**1.6**	0.0086 U	**0.35**	--	**0.1**	0.0071 U	**0.32**	**0.045**	**0.078**	**0.024**
Pyrene	655	2400	Method B NCAR	NA	**3.5**	0.0086 U	**0.22**	--	**0.055**	0.0071 U	**0.33**	**0.15**	**0.049**	**0.018**
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Gasoline-Range Organics	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-Range Organics	NV	30	Method A	NA	--	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NV	2000	Method A	NA	--	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NV	2000	Method A	NA	--	--	--	--	--	--	--	--	--	--
Calculated Totals (mg/kg)														
cPAH TEQ by 8270	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	**2.14**	ND	**0.17**	--	**0.04**	ND	**0.21**	**0.24**	**0.04**	**0.02**
Total Naphthalenes by 8270	4.46	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	**3.19**	ND	**1.14**	--	**0.399**	ND	**0.82**	**0.183**	**0.347**	**0.078**
Total PCBs	NV	1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72	GP76	GP76
				Sample Name	GP66-S-2.0	GP67-S-2.0	GP68-S-1.8	GP69-S-1.0	GP69-S-2.0	GP70-S-1.0	GP70-S-1.5	GP72-S-1.0	GP76-S-1.8	GP76-S-2.8
				Sample Date	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	1.7-2.1	1.5-2.3	1.4-2.0	0.5-1.2	1.5-2.2	0.7-1.1	1.2-1.7	0.4-1.2	1.6 - 2.0	2.6 - 3.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Metals (mg/kg)														
Arsenic	2.92	20	Method A	7	14 U	13 U	13 U	11 U	--	12 U	--	12 U	--	--
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	0.69 U	0.63 U	0.63 U	0.56 U	--	**0.65**	--	0.59 U	--	--
Chromium	480000	2000	Method A	42	**30**	**25**	**20**	**29**	--	**31**	--	**9.5**	--	--
Lead	3000	250	Method A	17	**7.5**	**34**	**170**	**30**	--	**100**	--	5.9 U	--	--
Mercury	2.09	2	Method A	0.07	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)														
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)														
1,2-Dibromoethane	NV	0.005	Method A	NA	--	--	--	--	--	--	--	--	0.0014 U	0.0013 U
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	--	--	--	--	--	--	--	--	0.0014 U	0.0013 U
Benzene	0.0274	0.03	Method A	NA	--	--	--	--	--	--	--	--	**0.081**	**0.007**
Ethylbenzene	6.05	6	Method A	NA	--	--	--	--	--	--	--	--	**0.46**	**0.12**
m,p-Xylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	**1.2**	**0.086**
Methyl tert-butyl ether	0.103	0.1	Method A	NA	--	--	--	--	--	--	--	--	0.0014 U	0.0013 U
n-Hexane	68.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	**0.82**	**0.094**
o-Xylene	14.4	16000	Method B NCAR	NA	--	--	--	--	--	--	--	--	**0.053**	**0.0052**
Toluene	4.52	7	Method A	NA	--	--	--	--	--	--	--	--	**0.026**	0.0067 U
Semi-volatile Organic Compounds by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72	GP76	GP76
				Sample Name	GP66-S-2.0	GP67-S-2.0	GP68-S-1.8	GP69-S-1.0	GP69-S-2.0	GP70-S-1.0	GP70-S-1.5	GP72-S-1.0	GP76-S-1.8	GP76-S-2.8
				Sample Date	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	1.7-2.1	1.5-2.3	1.4-2.0	0.5-1.2	1.5-2.2	0.7-1.1	1.2-1.7	0.4-1.2	1.6 - 2.0	2.6 - 3.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72	GP76	GP76
				Sample Name	GP66-S-2.0	GP67-S-2.0	GP68-S-1.8	GP69-S-1.0	GP69-S-2.0	GP70-S-1.0	GP70-S-1.5	GP72-S-1.0	GP76-S-1.8	GP76-S-2.8
				Sample Date	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	1.7-2.1	1.5-2.3	1.4-2.0	0.5-1.2	1.5-2.2	0.7-1.1	1.2-1.7	0.4-1.2	1.6 - 2.0	2.6 - 3.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]										
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	Method B CAR	NA	0.0092 U	**0.37**	**1.4**	**0.41**	0.0086 U	**0.28**	0.0087 U	0.0078 U	**0.72**	**0.78**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	0.0092 U	**0.38**	**1.6**	**0.55**	0.0086 U	**0.38**	0.0087 U	0.0078 U	**1.1**	**1.1**
Acenaphthene	97.9	4800	Method B NCAR	NA	0.0092 U	**0.013**	**0.052**	**0.031**	0.0086 U	0.016 U	0.0087 U	0.0078 U	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	0.0092 U	**0.014**	**0.053**	**0.074**	0.0086 U	**0.037**	0.0087 U	0.0078 U	--	--
Anthracene	NV	24000	Method B NCAR	NA	0.0092 U	**0.02**	**0.13**	**0.13 J**	0.0086 UJ	**0.066 J**	0.0087 UJ	**0.025**	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	0.0092 U	**0.031**	**0.12**	**0.38**	0.0086 U	**0.2**	0.0087 U	0.0078 U	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	0.0092 U	**0.016**	**0.054**	**0.77**	0.0086 U	**0.21**	0.0087 U	0.0078 U	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
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VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

					Location	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72	GP76	GP76
					Sample Name	GP66-S-2.0	GP67-S-2.0	GP68-S-1.8	GP69-S-1.0	GP69-S-2.0	GP70-S-1.0	GP70-S-1.5	GP72-S-1.0	GP76-S-1.8	GP76-S-2.8
					Sample Date	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016	4/25/2017	4/25/2017
					Sample Depth Interval (ft bgs)	1.7-2.1	1.5-2.3	1.4-2.0	0.5-1.2	1.5-2.2	0.7-1.1	1.2-1.7	0.4-1.2	1.6 - 2.0	2.6 - 3.0
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]											
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA		0.0092 U	**0.02**	**0.058**	**0.93**	0.0086 U	**0.33**	0.0087 U	0.0078 U	--	--
Benzo(ghi)perylene	NV	NV	NV	NA		0.0092 U	0.0084 U	**0.036**	**0.85**	0.0086 U	**0.19**	0.0087 U	0.0078 U	--	--
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA		0.0092 U	0.0084 U	**0.081**	**0.2**	0.0086 U	**0.098**	0.0087 U	0.0078 U	--	--
Chrysene	95.5	137	Method B CAR	NA		0.0092 U	**0.048**	**0.13**	**0.42**	0.0086 U	**0.24**	0.0087 U	0.0078 U	--	--
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA		0.0092 U	0.0084 U	**0.024**	**0.1**	0.0086 U	**0.029**	0.0087 U	0.0078 U	--	--
Dibenzofuran	NV	80	Method B NCAR	NA		--	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA		0.0092 U	**0.022**	**0.14**	**0.42**	0.0086 U	**0.32**	0.0087 U	**0.063**	--	--
Fluorene	101	3200	Method B NCAR	NA		0.0092 U	**0.017**	**0.11**	**0.034**	0.0086 U	**0.032**	0.0087 U	0.0078 U	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA		0.0092 U	0.0084 U	**0.05**	**0.74**	0.0086 U	**0.2**	0.0087 U	0.0078 U	--	--
Naphthalene	4.45	5	Method A	NA		**0.014**	**0.2**	**0.65**	**0.44**	0.0086 U	**0.31**	0.0087 U	0.0078 U	**0.7**	**0.19**
Phenanthrene	NV	NV	NV	NA		0.0092 U	**0.19**	**0.45**	**0.34**	0.0086 U	**0.32**	0.0087 U	**0.017**	--	--
Pyrene	655	2400	Method B NCAR	NA		0.0092 U	**0.035**	**0.19**	**0.74**	0.0086 U	**0.36**	0.0087 U	**0.052**	--	--
Total Benzofluoranthenes	NV	NV	NV	NA		--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)															
Gasoline-Range Organics	NV	NV	NV	NA		--	--	--	--	--	--	--	--	ND	ND
Diesel-Range Organics	NV	NV	NV	NA		--	--	--	--	--	--	--	--	ND	**DETECT**
Heavy-Oil-Range Organics	NV	NV	NV	NA		--	--	--	--	--	--	--	--	ND	ND
Total Petroleum Hydrocarbons (mg/kg)															
Gasoline-Range Organics	NV	30	Method A	NA		--	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NV	2000	Method A	NA		--	--	--	--	--	--	--	--	--	**130**
Heavy-Oil-Range Organics	NV	2000	Method A	NA		--	--	--	--	--	--	--	--	--	67 U
Calculated Totals (mg/kg)															
cPAH TEQ by 8270	2.33	0.1	Method A	NA		--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA		ND	**0.02**	**0.09**	**1.01**	ND	**0.30**	ND	ND	--	--
Total Naphthalenes by 8270	4.46	5	Method A	NA		--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA		**0.0232**	**0.95**	**3.65**	**1.4**	ND	**0.97**	ND	ND	**2.52**	**2.07**
Total PCBs	NV	1	Method A	NA		--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA		--	--	--	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP76[a]	GP77	GP77	GP77[a]	GP78	GP78	GP78[a]
				Sample Name	GP76-S-7.0	GP77-S-1.2	GP77-S-3.0	GP77-S-6.5	GP78-S-1.0	GP78-S-2.5	GP78-S-7.0
				Sample Date	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	6.8 - 7.2	1.0 - 1.4	2.8 - 3.2	6.3 - 6.8	0.8 - 1.2	2.5 - 2.8	6.8 - 7.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]							
Metals (mg/kg)											
Arsenic	2.92	20	Method A	7	--	--	--	--	--	--	--
Barium	1650	16000	Method B NCAR	NA	--	--	--	--	--	--	--
Cadmium	0.69	2	Method A	1	--	--	--	--	--	--	--
Chromium	480000	2000	Method A	42	--	--	--	--	--	--	--
Lead	3000	250	Method A	17	--	--	--	--	--	--	--
Mercury	2.09	2	Method A	0.07	--	--	--	--	--	--	--
Selenium	5.2	400	Method B NCAR	NA	--	--	--	--	--	--	--
Silver	13.6	400	Method B NCAR	NA	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)											
Aroclor 1016	NV	14.3	Method B NCAR	NA	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	Method B CAR	NA	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)											
1,2-Dibromoethane	NV	0.005	Method A	NA	0.001 U	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	Method B CAR	NA	0.001 U	--	--	--	--	--	--
Benzene	0.0274	0.03	Method A	NA	**0.0022**	0.0012 U	0.0012 U	0.0013 U	0.00092 U	0.00084 U	0.00098 U
Ethylbenzene	6.05	6	Method A	NA	**0.15**	0.067 U	0.0012 U	0.0013 U	0.00092 U	0.00084 U	0.00098 U
m,p-Xylene	NV	NV	NV	NA	**0.0075**	0.13 U	0.0023 U	0.0026 U	0.0018 U	0.0017 U	**0.0024**
Methyl tert-butyl ether	0.103	0.1	Method A	NA	0.001 U	--	--	--	--	--	--
n-Hexane	68.9	4800	Method B NCAR	NA	**7.1**	--	--	--	--	--	--
o-Xylene	14.4	16000	Method B NCAR	NA	0.001 U	0.067 U	0.0012 U	0.0013 U	0.00092 U	0.00084 U	**0.0037**
Toluene	4.52	7	Method A	NA	0.0051 U	0.0059 U	0.0058 U	0.0064 U	0.0046 U	0.0042 U	0.0049 U
Semi-volatile Organic Compounds by 8270 (mg/kg)											
1,2,4-Trichlorobenzene	0.562	35	Method B CAR	NA	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	Method B NCAR	NA	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NV	NA	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	Method B CAR	NA	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
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VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP76[a]	GP77	GP77	GP77[a]	GP78	GP78	GP78[a]
				Sample Name	GP76-S-7.0	GP77-S-1.2	GP77-S-3.0	GP77-S-6.5	GP78-S-1.0	GP78-S-2.5	GP78-S-7.0
				Sample Date	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	6.8 - 7.2	1.0 - 1.4	2.8 - 3.2	6.3 - 6.8	0.8 - 1.2	2.5 - 2.8	6.8 - 7.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]							
2,4,6-Trichlorophenol	NV	91	Method B CAR	NA	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	Method B NCAR	NA	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	Method B NCAR	NA	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--
2,4-Dinitrotoluene	NV	160	Method B NCAR	NA	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	Method B NCAR	NA	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	Method B NCAR	NA	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	Method B NCAR	NA	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	Method B NCAR	NA	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	Method B NCAR	NA	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	Method B CAR	NA	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NV	NA	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	Method B CAR	NA	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NV	NA	--	--	--	--	--	--	--
4-Methylphenol	NV	400	Method B NCAR	NA	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NV	NA	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NV	NA	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	Method B NCAR	NA	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	Method B NCAR	NA	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	Method B NCAR	NA	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	Method B CAR	NA	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NV	NA	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	Method B CAR	NA	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	Method B CAR	NA	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP76[a]	GP77	GP77	GP77[a]	GP78	GP78	GP78[a]
				Sample Name	GP76-S-7.0	GP77-S-1.2	GP77-S-3.0	GP77-S-6.5	GP78-S-1.0	GP78-S-2.5	GP78-S-7.0
				Sample Date	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	6.8 - 7.2	1.0 - 1.4	2.8 - 3.2	6.3 - 6.8	0.8 - 1.2	2.5 - 2.8	6.8 - 7.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]							
Butylbenzylphthalate	12.85	530	Method B CAR	NA	--	--	--	--	--	--	--
Carbazole	NV	NV	NV	NA	--	--	--	--	--	--	--
Chrysene	95.5	140	Method B CAR	NA	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	Method B CAR	NA	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--
Diethylphthalate	72.19	64000	Method B NCAR	NA	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NV	NA	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	Method B NCAR	NA	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NV	NA	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	Method B NCAR	NA	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	Method B CAR	NA	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	Method B CAR	NA	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	Method B NCAR	NA	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	Method B CAR	NA	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	Method B CAR	NA	--	--	--	--	--	--	--
Isophorone	0.23	1100	Method B CAR	NA	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	Method B NCAR	NA	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	Method B CAR	NA	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NV	NA	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	Method B CAR	NA	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--
Phenol	10.98	24000	Method B NCAR	NA	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (mg/kg)											
1-Methylnaphthalene	NV	35	Method B CAR	NA	**1.9**	--	--	0.0089 U	**0.32**	--	**0.013**
2-Methylnaphthalene	NV	320	Method B NCAR	NA	**3.2**	--	--	0.0089 U	**0.37**	--	**0.017**
Acenaphthene	97.9	4800	Method B NCAR	NA	--	--	--	--	--	--	--
Acenaphthylene	NV	1	Method B NCAR	NA	--	--	--	--	--	--	--
Anthracene	NV	24000	Method B NCAR	NA	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	Method B CAR	NA	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	Method A	NA	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP76[a]	GP77	GP77	GP77[a]	GP78	GP78	GP78[a]
				Sample Name	GP76-S-7.0	GP77-S-1.2	GP77-S-3.0	GP77-S-6.5	GP78-S-1.0	GP78-S-2.5	GP78-S-7.0
				Sample Date	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017	4/25/2017
				Sample Depth Interval (ft bgs)	6.8 - 7.2	1.0 - 1.4	2.8 - 3.2	6.3 - 6.8	0.8 - 1.2	2.5 - 2.8	6.8 - 7.2
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]							
Benzo(b)fluoranthene	2.95	1.37	Method B CAR	NA	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	--	--	--	--	--	--	--
Benzo(j+k)fluoranthene	NV	13.7	Method B CAR	NA	--	--	--	--	--	--	--
Chrysene	95.5	137	Method B CAR	NA	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.429	0.137	Method B CAR	NA	--	--	--	--	--	--	--
Dibenzofuran	NV	80	Method B NCAR	NA	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	Method B NCAR	NA	--	--	--	--	--	--	--
Fluorene	101	3200	Method B NCAR	NA	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.37	Method B CAR	NA	--	--	--	--	--	--	--
Naphthalene	4.45	5	Method A	NA	**1.5**	--	--	0.0089 U	**0.3**	--	**0.11**
Phenanthrene	NV	NV	NV	NA	--	--	--	--	--	--	--
Pyrene	655	2400	Method B NCAR	NA	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NV	NA	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)											
Gasoline-Range Organics	NV	NV	NV	NA	**DETECT**	ND	ND	ND	ND	ND	ND
Diesel-Range Organics	NV	NV	NV	NA	**DETECT**	ND	ND	ND	ND	ND	**DETECT**
Heavy-Oil-Range Organics	NV	NV	NV	NA	ND	ND	ND	ND	**DETECT**	ND	ND
Total Petroleum Hydrocarbons (mg/kg)											
Gasoline-Range Organics	NV	30	Method A	NA	**420 J**	--	--	--	--	--	--
Diesel-Range Organics	NV	2000	Method A	NA	**510**	--	--	--	**120 J**	--	**1400**
Heavy-Oil-Range Organics	NV	2000	Method A	NA	65 U	--	--	--	**320**	--	140 U
Calculated Totals (mg/kg)											
cPAH TEQ by 8270	2.33	0.1	Method A	NA	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	Method A	NA	--	--	--	--	--	--	--
Total Naphthalenes by 8270	4.46	5	Method A	NA	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	Method A	NA	**6.6**	--	--	ND	**0.99**	--	**0.14**
Total PCBs	NV	1	Method A	NA	--	--	--	--	--	--	--
Total Xylenes	14.4	9	Method A	NA	--	--	--	--	--	--	--

Table F-3
2012 to 2017 Soil Analytical Results—Area of Concern 3
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**.

Detected concentrations are compared to MTCA Method A, Unrestricted Land Use CULs, or MTCA Method B CULs if no MTCA Method A value is available. Results are also compared to soil concentrations protective of groundwater at 13 degrees Celsius and natural background soil metals concentrations, if available. If the natural background concentration is greater than the MTCA Method A/B CUL and/or the soil concentration protective of groundwater, the natural background concentration is used as the CUL.

Exceedances of both MTCA Method A/B CULs and soil concentrations protective of groundwater are shaded purple.

Exceedances of only the soil concentrations protective of groundwater are shaded blue.

Exceedances of only the MTCA Method A/B CULs are shaded green.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 = U.S. Environmental Protection Agency Method 8270.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

cPAH TEQ = carcinogenic polycyclic aromatic hydrocarbon toxic equivalency quotient.

CUL = cleanup level.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

J = result is an estimated value.

Method A = MTCA Method A CUL for unrestricted land use.

Method B CAR = MTCA Method B standard formula value CUL for carcinogenic compounds.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

mg/kg = milligrams per kilogram (parts per million).

MTCA = Model Toxics Control Act.

NA = not available.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

U = analyte not detected at or above method reporting limit.

[a]Saturated soil sample. Results are compared to CULs only for reference purposes and will not be included in the characterization of extent of contamination requiring remediation. Groundwater results will be used to characterize the extent of contamination below the water table. Saturated soil results will inform future remedial design, if in situ groundwater treatment cleanup options are considered.

[b]Natural background soil metals concentrations, based on the Washington State state-wide values obtained from Ecology's soil natural background guidance (Ecology, 1994).

Table F-4
2012 Soil Analytical Results—Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP02	GP03	GP17[a]
				Sample Name	GP2-S-1.1	GP3-S-2	GP17-S-9.5
				Sample Date	05/06/2012	05/06/2012	12/03/2012
				Sample Depth Interval (ft bgs)	0-2.2	1.3-2.7	8-11
	Soil Concentration Protective of GW (mg/kg)	MTCA Method A/B CUL (mg/kg)	MTCA CUL Source	Metals Natural Background (mg/kg)[a]			
Metals (mg/kg)							
Arsenic	2.92	20	Method A	7	**3.1**	**2.2**	--
Barium	1650	16000	Method B NCAR	NA	**102**	**40.1**	--
Cadmium	0.69	2	Method A	1	**0.2**	0.1 U	--
Chromium	480000	2000	Method A	42	**13.5**	**13**	--
Lead	3000	250	Method A	17	**163**	**49**	--
Mercury	2.09	2	Method A	0.07	**0.07**	**0.17**	--
Selenium	5.2	400	Method B NCAR	NA	0.6 U	0.6 U	--
Silver	13.6	400	Method B NCAR	NA	0.2 U	0.2 U	--
Hydrocarbon Identification (Presence/Absence)							
Gasoline-Range Organics	NV	NV	NV	NA	ND	ND	--
Diesel-Range Organics	NV	NV	NV	NA	ND	ND	--
Heavy-Oil-Range Organics	NV	NV	NV	NA	ND	ND	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel-Range Organics	NV	2000	Method A	NA	--	--	**13**
Heavy-Oil-Range Organics	NV	2000	Method A	NA	--	--	**51**

Table F-4
2012 Soil Analytical Results—Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**.

Detected concentrations are compared to MTCA Method A, Unrestricted Land Use CULs, or MTCA Method B CULs if no MTCA Method A value is available. Results are also compared to soil concentrations protective of groundwater at 13 degrees Celsius and natural background soil metals concentrations, if available. If the natural background concentration is greater than the MTCA Method A/B CUL and/or the soil concentration protective of groundwater, the natural background concentration is used as the CUL.

-- = not analyzed.

CUL = cleanup level.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

Method A = MTCA Method A CUL for unrestricted land use.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

mg/kg = milligrams per kilogram (parts per million).

MTCA = Model Toxics Control Act.

NA = not available.

ND = not detected.

NV = no value.

U = analyte not detected at or above method reporting limit.

[a]Saturated soil sample. Results are compared to CULs only for reference purposes and will not be included in the characterization of extent of contamination requiring remediation. Groundwater results will be used to characterize the extent of contamination below the water table. Saturated soil results will inform future remedial design, if in situ groundwater treatment cleanup options are considered.

[b]Natural background soil metals concentrations, based on the Washington State state-wide values obtained from Ecology's soil natural background guidance (Ecology, 1994).

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37	GP38
		Sample Name	GP1-W-7.5	GP10-W-7.5	GPDUP-W-7.5	GP10-W-16.5	GP11-W-17.5	GP12-W-7.5	GP12-W-25.5	GP36-W-11.0	GP37-W-10.0	GP38-W-11.0
		Collection Date	05/06/2012	12/03/2012	12/03/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/15/2016
		Sample Collection Depth (ft bgs)[a]	5.50-10.0	5.83-10.0	5.83-10.0	14.0-19.0	15.0-20.0	7.95-10.0	23.0-28.0	11.0-16.0	9.90-14.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Dissolved Metals (ug/L)												
Arsenic	5	Method A	**3.6**	--	--	--	--	--	--	--	--	--
Barium	3200	Method B NCAR	**137**	--	--	--	--	--	--	--	--	--
Cadmium	5	Method A	0.1 U	--	--	--	--	--	--	--	4 U	--
Chromium	50	Method A	1 U	--	--	--	--	--	--	--	10 U	--
Lead	15	Method A	**0.1**	--	--	--	--	--	--	--	1 U	--
Mercury	2	Method A	0.1 U	--	--	--	--	--	--	--	--	--
Nickel	320	Method B NCAR	--	--	--	--	--	--	--	--	20 U	--
Selenium	80	Method B NCAR	0.5 U	--	--	--	--	--	--	--	--	--
Silver	80	Method B NCAR	0.2 U	--	--	--	--	--	--	--	--	--
Zinc	4800	Method B NCAR	--	--	--	--	--	--	--	--	25 U	--
Polychlorinated Biphenyls (ug/L)												
Aroclor 1016	1.12	Method B NCAR	0.01 U	--	--	--	--	--	--	--	0.048 U	--
Aroclor 1221	NV	NV	0.01 U	--	--	--	--	--	--	--	0.048 U	--
Aroclor 1232	NV	NV	0.01 U	--	--	--	--	--	--	--	0.048 U	--
Aroclor 1242	NV	NV	0.01 U	--	--	--	--	--	--	--	0.048 U	--
Aroclor 1248	NV	NV	**0.009 J**	--	--	--	--	--	--	--	0.048 U	--
Aroclor 1254	0.0438	Method B CAR	0.01 U	--	--	--	--	--	--	--	0.048 U	--
Aroclor 1260	0.0438	Method B CAR	0.01 U	--	--	--	--	--	--	--	0.048 U	--
Volatile Organic Compounds (ug/L)												
1,1,1,2-Tetrachloroethane	1.68	Method B CAR	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,1,1-Trichloroethane	200	Method A	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,1,2,2-Tetrachloroethane	0.219	Method B CAR	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,1,2-Trichloroethane	0.768	Method B CAR	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,1-Dichloroethane	7.68	Method B CAR	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,1-Dichloroethene	400	Method B NCAR	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,1-Dichloropropene	NV	NV	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,2,3-Trichlorobenzene	NV	NV	0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 U	1 U
1,2,3-Trichloropropane	0.00146	Method B CAR	**0.4 J**	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 U	1 U
1,2,4-Trichlorobenzene	1.51	Method B CAR	0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 U	1 U
1,2,4-Trimethylbenzene	NV	NV	**2.8**	0.2 U	0.2 U	--	**0.53**	0.2 U	**0.25 J**	--	**3.9**	**1.5**
1,2-Dibromo-3-chloropropane	0.0547	Method B CAR	0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	1.4 U	5 U
1,2-Dibromoethane	0.01	Method A	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.0097 U	0.0097 U
1,2-Dichlorobenzene	720	Method B NCAR	**1.7**	0.2 U	0.2 U	--	**0.21**	0.2 U	0.2 UR	--	**0.54**	1 U
1,2-Dichloroethane	5	Method A	**0.2 J**	0.2 U	0.2 U	--	**0.19 J**	0.2 U	0.2 UR	--	**0.43**	1 U

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37	GP38
			Sample Name	GP1-W-7.5	GP10-W-7.5	GPDUP-W-7.5	GP10-W-16.5	GP11-W-17.5	GP12-W-7.5	GP12-W-25.5	GP36-W-11.0	GP37-W-10.0	GP38-W-11.0
			Collection Date	05/06/2012	12/03/2012	12/03/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/15/2016
			Sample Collection Depth (ft bgs)[a]	5.50-10.0	5.83-10.0	5.83-10.0	14.0-19.0	15.0-20.0	7.95-10.0	23.0-28.0	11.0-16.0	9.90-14.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source											
1,2-Dichloropropane	1.22	Method B CAR		**0.2**	0.2 U	0.2 U	--	**0.18 J**	0.2 U	0.2 UR	--	**0.29**	1 U
1,3,5-Trimethylbenzene	80	Method B NCAR		**2.2**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,3-Dichlorobenzene	NV	NV		**3.4**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,3-Dichloropropane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,4-Dichlorobenzene	8.1	Method B CAR		**50**	0.2 U	0.2 U	--	**0.52**	0.2 U	0.2 UR	--	**1.2**	**2.3**
2,2-Dichloropropane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
1,4-Dichlorobenzene	4800	Method B NCAR		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	5 U	25 U
2-Chloroethylvinyl ether	NV	NV		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	3.2 U	10 U
2-Chlorotoluene	160	Method B NCAR		**0.8**	0.2 U	0.2 U	--	**0.23**	0.2 U	0.2 UR	--	**0.3**	1 U
2-Hexanone	NV	NV		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	2 U	10 U
4-Chlorotoluene	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
4-Isopropyltoluene	NV	NV		**3.4**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**1.1**	1 U
4-Methyl-2-pentanone	640	Method B NCAR		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	2 U	10 U
Acetone	7200	Method B NCAR		**4.6 J**	5 U	**2.5 J**	--	**2.4 J**	**3.4 J**	5 UR	--	5 U	25 U
Acrolein	4	Method B NCAR		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	--	--
Acrylonitrile	0.081	Method B CAR		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	--	--
Benzene	5	Method A		**1.7**	0.2 U	0.2 U	--	**0.61**	0.2 U	**0.92 J**	--	**2.8**	**3**
Bromobenzene	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Bromodichloromethane	0.706	Method B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Bromoethane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	--	--
Bromoform	5.54	Method B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	1 U	5 U
Bromomethane	11.2	Method B NCAR		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	0.2 U	1 U
Carbon disulfide	800	Method B NCAR		0.2 U	0.2 U	**0.12 J**	--	**0.19 J**	0.2 U	0.2 UR	--	0.2 U	1 U
Carbon tetrachloride	0.625	Method B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Chlorobenzene	160	Method B NCAR		**340**	0.2 U	0.2 U	--	**49**	**0.2**	0.2 UR	--	**53**	**120**
Chlorobromomethane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Chloroethane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	1 U	5 U
Chloroform	1.41	Method B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Chloromethane	NV	NV		0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	1.7 U	5 U
cis-1,2-Dichloroethene	16	Method B NCAR		**0.1 J**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**0.31**	1 U
cis-1,3-Dichloropropene	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Dibromochloromethane	0.521	Method B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Dibromomethane	80	Method B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Dichlorodifluoromethane	1600	Method B NCAR		--	--	--	--	--	--	--	--	0.28 U	1 U
Ethylbenzene	700	Method A		**1.1**	0.2 U	0.2 U	--	0.2 U	0.2 U	**0.28 J**	--	**0.25**	1 U

Table F-5
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VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37	GP38
			Sample Name	GP1-W-7.5	GP10-W-7.5	GPDUP-W-7.5	GP10-W-16.5	GP11-W-17.5	GP12-W-7.5	GP12-W-25.5	GP36-W-11.0	GP37-W-10.0	GP38-W-11.0
			Collection Date	05/06/2012	12/03/2012	12/03/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/15/2016
			Sample Collection Depth (ft bgs)[a]	5.50-10.0	5.83-10.0	5.83-10.0	14.0-19.0	15.0-20.0	7.95-10.0	23.0-28.0	11.0-16.0	9.90-14.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source											
Freon 113	240000	Method B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	--	--
Hexachlorobutadiene	0.561	Method B CAR		0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 U	1 U
Isopropylbenzene	800	Method B NCAR		**6**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**0.98**	1 U
m,p-Xylene	1000	Method A		**0.3 J**	0.4 U	0.4 U	--	0.4 U	0.4 U	**0.82 J**	--	0.4 U	2 U
Methyl iodide	NV	NV		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	1.5 U	5 U
Methyl tert-butyl ether	20	Method A		--	--	--	--	--	--	--	--	0.2 U	1 U
Methylene chloride	5	Method A		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	1 U	5 U
Naphthalene	160	Method A		**1.1**	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	**2.3 J**	6.5 U
n-Butylbenzene	400	Method B NCAR		**2.8**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**1.1**	1 U
n-Hexane	480	Method B NCAR		--	--	--	--	--	--	--	--	1 U	1 U
n-Propylbenzene	800	Method B NCAR		**11**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**2.4**	1 U
o-Xylene	1600	Method B NCAR		**1.2**	0.2 U	0.2 U	--	**0.16 J**	0.2 U	0.2 UR	--	**0.22**	1 U
sec-Butylbenzene	800	Method B NCAR		**4.9**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**1.5**	1 U
Styrene	1600	Method B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
tert-Butylbenzene	800	Method B NCAR		**0.6**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**0.27**	1 U
Tetrachloroethene	5	Method A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Toluene	1000	Method A		**0.6**	0.2 U	0.2 U	--	**0.26**	0.2 U	0.2 UR	--	1 U	5 U
trans-1,2-dichloroethene	160	Method B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
trans-1,3-Dichloropropene	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
trans-1,4-Dichloro-2-butene	NV	NV		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	--	--
Trichloroethene	5	Method A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Trichlorofluoromethane	2400	Method B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Vinyl Acetate	8000	Method B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	1 U	5 U
Vinyl chloride	0.2	Method A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U	1 U
Semi-volatile Organic Compounds by 8270 (ug/L)													
1,2,4-Trichlorobenzene	1.51	Method B CAR		1 U	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	Method B NCAR		**0.7 J**	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV		**1.1**	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR		**19**	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	160	Method A		**12**	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	800	Method B NCAR		5 U	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	3.98	Method B CAR		5 U	--	--	--	--	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
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VSF Properties, LLC, North Cascade Ford Property Investigation
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		Location	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37	GP38
		Sample Name	GP1-W-7.5	GP10-W-7.5	GPDUP-W-7.5	GP10-W-16.5	GP11-W-17.5	GP12-W-7.5	GP12-W-25.5	GP36-W-11.0	GP37-W-10.0	GP38-W-11.0
		Collection Date	05/06/2012	12/03/2012	12/03/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/15/2016
		Sample Collection Depth (ft bgs)[a]	5.50-10.0	5.83-10.0	5.83-10.0	14.0-19.0	15.0-20.0	7.95-10.0	23.0-28.0	11.0-16.0	9.90-14.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
2,4-Dichlorophenol	24	Method B NCAR	5 U	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	160	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	32	Method B NCAR	10 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	0.282	Method B CAR	5 U	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	0.0583	Method B CAR	5 U	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	640	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
2-Chlorophenol	40	Method B NCAR	**2.6**	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	Method A	**11**	--	--	--	--	--	--	--	--	--
2-Methylphenol	400	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
2-Nitroaniline	160	Method B NCAR	5 U	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	5 U	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.194	Method B CAR	5 U	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	5 U	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	10 U	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	1 U	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	5 U	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.219	Method B CAR	5 U	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	1 U	--	--	--	--	--	--	--	--	--
4-Methylphenol	800	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	5 U	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	5 U	--	--	--	--	--	--	--	--	--
Acenaphthene	960	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Anthracene	4800	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	1 U	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Benzoic acid	64000	Method B NCAR	10 U	--	--	--	--	--	--	--	--	--
Benzyl alcohol	800	Method B NCAR	5 U	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.0398	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	46.1	Method B CAR	1 U	--	--	--	--	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
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		Location	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37	GP38
		Sample Name	GP1-W-7.5	GP10-W-7.5	GPDUP-W-7.5	GP10-W-16.5	GP11-W-17.5	GP12-W-7.5	GP12-W-25.5	GP36-W-11.0	GP37-W-10.0	GP38-W-11.0
		Collection Date	05/06/2012	12/03/2012	12/03/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/15/2016
		Sample Collection Depth (ft bgs)[a]	5.50-10.0	5.83-10.0	5.83-10.0	14.0-19.0	15.0-20.0	7.95-10.0	23.0-28.0	11.0-16.0	9.90-14.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Carbazole	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Chrysene	12	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Diethyl phthalate	12800	Method B NCAR	**1**	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	1600	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	160	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Fluoranthene	640	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Fluorene	640	Method B NCAR	**0.8 J**	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0547	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	48	Method B NCAR	5 U	--	--	--	--	--	--	--	--	--
Hexachloroethane	1.09	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Isophorone	46.1	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	1 U	--	--	--	--	--	--	--	--	--
Nitrobenzene	16	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	17.9	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.0125	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.219	Method B CAR	5 U	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	**0.6 J**	--	--	--	--	--	--	--	--	--
Phenol	2400	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Pyrene	480	Method B NCAR	1 U	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	1 U	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (ug/L)												
1-Methylnaphthalene	160	Method A	**9.4**	0.1 U	0.11 U	--	0.11 U	**0.06 J**	**0.18 J**	--	**1.5**	--
2-Methylnaphthalene	160	Method A	**13**	0.1 U	0.11 U	--	0.11 U	**0.06 J**	0.1 UJ	--	**2**	--

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		Location	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37	GP38
		Sample Name	GP1-W-7.5	GP10-W-7.5	GPDUP-W-7.5	GP10-W-16.5	GP11-W-17.5	GP12-W-7.5	GP12-W-25.5	GP36-W-11.0	GP37-W-10.0	GP38-W-11.0
		Collection Date	05/06/2012	12/03/2012	12/03/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	11/14/2016	11/14/2016	11/15/2016
		Sample Collection Depth (ft bgs)[a]	5.50-10.0	5.83-10.0	5.83-10.0	14.0-19.0	15.0-20.0	7.95-10.0	23.0-28.0	11.0-16.0	9.90-14.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Acenaphthene	960	Method B NCAR	**0.99**	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.096 U	--
Acenaphthylene	NV	NV	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.096 U	--
Anthracene	4800	Method B NCAR	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	**0.12**	--
Benzo(a)anthracene	0.12	Method B CAR	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.0096 U	--
Benzo(a)pyrene	0.1	Method A	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.0096 U	--
Benzo(b)fluoranthene	0.12	Method B CAR	--	--	--	--	--	--	--	--	0.0096 U	--
Benzo(ghi)perylene	NV	NV	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.0096 U	--
Benzo(j+k)fluoranthene	1.20	Method B CAR	--	--	--	--	--	--	--	--	0.0096 U	--
Chrysene	12	Method B CAR	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.0096 U	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.0096 U	--
Dibenzofuran	16	Method B NCAR	**0.28**	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	--	--
Fluoranthene	640	Method B NCAR	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.096 U	--
Fluorene	640	Method B NCAR	**1**	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.096 U	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.0096 U	--
Naphthalene	160	Method A	**0.32**	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	**2.6**	--
Phenanthrene	NV	NV	**0.87**	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.096 U	--
Pyrene	480	Method B NCAR	0.1 U	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	0.096 U	--
Total Benzofluoranthenes	0.12	Method B CAR	0.2 U	0.21 U	0.22 U	--	0.22 U	0.21 U	0.2 UJ	--	--	--
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range Organics	NA	NA	--	--	--	--	--	--	--	--	**DETECT**	--
Diesel-Range Organics	NA	NA	--	--	--	--	--	--	--	--	**DETECT**	--
Heavy-Oil-Range Organics	NA	NA	--	--	--	--	--	--	--	--	**DETECT**	--
Total Petroleum Hydrocarbons (ug/L)												
Gasoline-Range Organics	800	Method A	**1800**	250 U	250 U	--	250 U	250 U	--	100 UJ	**400**	**390**
Diesel-Range Organics	500	Method A	**3300**	100 U	100 U	--	**980**	**710**	100 UJ	**280**	**1500**	**920**
Heavy-Oil-Range Organics	500	Method A	**1100**	200 U	210 U	--	**310**	**400**	200 UJ	**440**	**880**	430 U
Calculated Totals												
cPAH TEQ by 8270	0.1	Method A	ND	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	0.1	Method A	ND	ND	ND	--	ND	ND	ND	--	ND	--
Total naphthalenes by 8270	160	Method A	**23.5**	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	Method A	**22.72**	ND	ND	--	ND	**0.17 J**	**0.28 J**	--	**3.8**	--
Total PCBs	0.1	Method A	**0.039**	--	--	--	--	--	--	--	ND	--
Total Xylenes	1000	Method A	**1.5 J**	ND	ND	--	**0.36 J**	ND	**0.92**	--	**0.42**	ND

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Supplemental Data Gap Investigation
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Sedro-Woolley, Washington

		Location	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46	GP47	GP48
		Sample Name	GP39-W-7.0	GP40-W-7.0	GP41-W-11.5	GP42-W-10.0	GP43-W-9.0	GP44-W-9.0	GP45-W-13.0	GP46-W-10.0	GP47-W-8.0	GP48-W-10.0
		Collection Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
		Sample Collection Depth (ft bgs)[a]	10.0-15.0	6.55-11.0	11.10-15.0	9.5-14.5	10.0-15.0	10.0-15.0	11.0-15.0	10.0-15.0	10.0-15.0	11.80-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Dissolved Metals (ug/L)												
Arsenic	5	Method A	--	--	--	--	--	--	--	--	--	--
Barium	3200	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Cadmium	5	Method A	--	--	--	--	--	--	--	--	--	--
Chromium	50	Method A	--	--	--	--	--	--	--	--	--	--
Lead	15	Method A	--	--	--	--	--	--	--	--	--	--
Mercury	2	Method A	--	--	--	--	--	--	--	--	--	--
Nickel	320	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Selenium	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Silver	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Zinc	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/L)												
Aroclor 1016	1.12	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0.0438	Method B CAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0.0438	Method B CAR	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (ug/L)												
1,1,1,2-Tetrachloroethane	1.68	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	Method A	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.219	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.768	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	7.68	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	0.00146	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.0547	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	0.01	Method A	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	5	Method A	--	--	--	--	--	--	--	--	--	--

Table F-5
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VSF Properties, LLC, North Cascade Ford Property Investigation
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		Location	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46	GP47	GP48
		Sample Name	GP39-W-7.0	GP40-W-7.0	GP41-W-11.5	GP42-W-10.0	GP43-W-9.0	GP44-W-9.0	GP45-W-13.0	GP46-W-10.0	GP47-W-8.0	GP48-W-10.0
		Collection Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
		Sample Collection Depth (ft bgs)[a]	10.0-15.0	6.55-11.0	11.10-15.0	9.5-14.5	10.0-15.0	10.0-15.0	11.0-15.0	10.0-15.0	10.0-15.0	11.80-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
1,2-Dichloropropane	1.22	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acetone	7200	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acrolein	4	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	0.081	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzene	5	Method A	--	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.706	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Bromoform	5.54	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bromomethane	11.2	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.625	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroform	1.41	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.521	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibromomethane	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	Method A	--	--	--	--	--	--	--	--	--	--

Table F-5
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VSF Properties, LLC, North Cascade Ford Property Investigation
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		Location	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46	GP47	GP48
		Sample Name	GP39-W-7.0	GP40-W-7.0	GP41-W-11.5	GP42-W-10.0	GP43-W-9.0	GP44-W-9.0	GP45-W-13.0	GP46-W-10.0	GP47-W-8.0	GP48-W-10.0
		Collection Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
		Sample Collection Depth (ft bgs)[a]	10.0-15.0	6.55-11.0	11.10-15.0	9.5-14.5	10.0-15.0	10.0-15.0	11.0-15.0	10.0-15.0	10.0-15.0	11.80-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Freon 113	240000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	1000	Method A	--	--	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	20	Method A	--	--	--	--	--	--	--	--	--	--
Methylene chloride	5	Method A	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
n-Hexane	480	Method B NCAR	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
o-Xylene	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Styrene	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	Method A	--	--	--	--	--	--	--	--	--	--
Toluene	1000	Method A	--	--	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	Method A	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	2400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	8000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.2	Method A	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 (ug/L)												
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	3.98	Method B CAR	--	--	--	--	--	--	--	--	--	--

Table F-5
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VSF Properties, LLC, North Cascade Ford Property Investigation
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		Location	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46	GP47	GP48
		Sample Name	GP39-W-7.0	GP40-W-7.0	GP41-W-11.5	GP42-W-10.0	GP43-W-9.0	GP44-W-9.0	GP45-W-13.0	GP46-W-10.0	GP47-W-8.0	GP48-W-10.0
		Collection Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
		Sample Collection Depth (ft bgs)[a]	10.0-15.0	6.55-11.0	11.10-15.0	9.5-14.5	10.0-15.0	10.0-15.0	11.0-15.0	10.0-15.0	10.0-15.0	11.80-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
2,4-Dichlorophenol	24	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	32	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	0.282	Method B CAR	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	0.0583	Method B CAR	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	40	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.194	Method B CAR	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.219	Method B CAR	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--	--	--
Acenaphthene	960	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Benzoic acid	64000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.0398	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	Method B CAR	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	46.1	Method B CAR	--	--	--	--	--	--	--	--	--	--

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		Location	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46	GP47	GP48
		Sample Name	GP39-W-7.0	GP40-W-7.0	GP41-W-11.5	GP42-W-10.0	GP43-W-9.0	GP44-W-9.0	GP45-W-13.0	GP46-W-10.0	GP47-W-8.0	GP48-W-10.0
		Collection Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
		Sample Collection Depth (ft bgs)[a]	10.0-15.0	6.55-11.0	11.10-15.0	9.5-14.5	10.0-15.0	10.0-15.0	11.0-15.0	10.0-15.0	10.0-15.0	11.80-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Carbazole	NV	NV	--	--	--	--	--	--	--	--	--	--
Chrysene	12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	12800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0547	Method B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	48	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	1.09	Method B CAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Isophorone	46.1	Method B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	17.9	Method B CAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.0125	Method B CAR	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.219	Method B CAR	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Phenol	2400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Pyrene	480	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (ug/L)												
1-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--

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2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46	GP47	GP48
		Sample Name	GP39-W-7.0	GP40-W-7.0	GP41-W-11.5	GP42-W-10.0	GP43-W-9.0	GP44-W-9.0	GP45-W-13.0	GP46-W-10.0	GP47-W-8.0	GP48-W-10.0
		Collection Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
		Sample Collection Depth (ft bgs)[a]	10.0-15.0	6.55-11.0	11.10-15.0	9.5-14.5	10.0-15.0	10.0-15.0	11.0-15.0	10.0-15.0	10.0-15.0	11.80-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Acenaphthene	960	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Benzo(j+k)fluoranthene	1.20	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chrysene	12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Pyrene	480	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)												
Gasoline-Range Organics	800	Method A	--	--	--	100 U	--	--	--	--	--	--
Diesel-Range Organics	500	Method A	**480**	260 U	260 U	260 U	**1400**	**880**	270 U	270 U	280 U	280 U
Heavy-Oil-Range Organics	500	Method A	430 U	410 U	420 U	420 U	**910**	**570**	440 U	440 U	440 U	450 U
Calculated Totals												
cPAH TEQ by 8270	0.1	Method A	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270	160	Method A	--	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	Method A	--	--	--	--	--	--	--	--	--	--
Total PCBs	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000	Method A	--	--	--	--	--	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location	GP49	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
			Sample Name	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP	MW01-GW-140618	FD-GW-140618	MW01-GW-091014
			Collection Date	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014	06/18/2014	06/18/2014	09/10/2014
			Sample Collection Depth (ft bgs)[a]	8.5-13.5	5.61-13.44	5.61-13.44	9.87-13.44	NM	NM	6.09-13.45	6.09-13.45	7.74-13.44
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Dissolved Metals (ug/L)												
Arsenic	5	Method A	--	**0.6**	**0.6**	--	--	--	--	--	--	
Barium	3200	Method B NCAR	--	**103**	**103**	--	--	--	--	--	--	
Cadmium	5	Method A	--	0.1 U	0.1 U	--	--	--	--	--	--	
Chromium	50	Method A	--	**0.9**	**1**	--	--	--	--	--	--	
Lead	15	Method A	--	0.1 U	0.1 U	--	--	--	--	--	--	
Mercury	2	Method A	--	0.1 U	0.1 U	--	--	--	--	--	--	
Nickel	320	Method B NCAR	--	--	--	--	--	--	--	--	--	
Selenium	80	Method B NCAR	--	0.5 U	0.5 U	--	--	--	--	--	--	
Silver	80	Method B NCAR	--	0.2 U	0.2 U	--	--	--	--	--	--	
Zinc	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	
Polychlorinated Biphenyls (ug/L)												
Aroclor 1016	1.12	Method B NCAR	--	--	--	--	--	--	--	--	--	
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	
Aroclor 1254	0.0438	Method B CAR	--	--	--	--	--	--	--	--	--	
Aroclor 1260	0.0438	Method B CAR	--	--	--	--	--	--	--	--	--	
Volatile Organic Compounds (ug/L)												
1,1,1,2-Tetrachloroethane	1.68	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,1,1-Trichloroethane	200	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,1,2,2-Tetrachloroethane	0.219	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,1,2-Trichloroethane	0.768	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,1-Dichloroethane	7.68	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,1-Dichloroethene	400	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,1-Dichloropropene	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,2,3-Trichlorobenzene	NV	NV	--	0.5 U	0.5 U	--	0.5 U	0.5 U	--	--	--	
1,2,3-Trichloropropane	0.00146	Method B CAR	--	0.5 U	0.5 U	--	0.5 U	0.5 U	--	--	--	
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	0.5 U	0.5 U	--	0.5 U	0.5 U	--	--	--	
1,2,4-Trimethylbenzene	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,2-Dibromo-3-chloropropane	0.0547	Method B CAR	--	0.5 U	0.5 U	--	0.5 U	0.5 U	--	--	--	
1,2-Dibromoethane	0.01	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,2-Dichlorobenzene	720	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	
1,2-Dichloroethane	5	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--	

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location	GP49	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP	MW01-GW-140618	FD-GW-140618	MW01-GW-091014
		Collection Date	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014	06/18/2014	06/18/2014	09/10/2014
		Sample Collection Depth (ft bgs)[a]	8.5-13.5	5.61-13.44	5.61-13.44	9.87-13.44	NM	NM	6.09-13.45	6.09-13.45	7.74-13.44
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source									
1,2-Dichloropropane	1.22	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
1,3,5-Trimethylbenzene	80	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
1,3-Dichlorobenzene	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
1,3-Dichloropropane	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
2,2-Dichloropropane	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
1,4-Dichlorobenzene	4800	Method B NCAR	--	5 U	5 U	--	5 U	5 U	--	--	--
2-Chloroethylvinyl ether	NV	NV	--	1 U	1 U	--	1 U	1 U	--	--	--
2-Chlorotoluene	160	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
2-Hexanone	NV	NV	--	5 U	5 U	--	5 U	5 U	--	--	--
4-Chlorotoluene	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
4-Isopropyltoluene	NV	NV	--	**0.9**	**1**	--	**0.21**	**0.22**	--	--	--
4-Methyl-2-pentanone	640	Method B NCAR	--	5 U	5 U	--	5 U	5 U	--	--	--
Acetone	7200	Method B NCAR	--	5 U	5 U	--	5 U	5 U	--	--	--
Acrolein	4	Method B NCAR	--	5 U	5 U	--	5 U	5 U	--	--	--
Acrylonitrile	0.081	Method B CAR	--	1 U	1 U	--	1 U	1 U	--	--	--
Benzene	5	Method A	--	**0.3**	**0.3**	--	0.2 U	0.2 U	--	--	--
Bromobenzene	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Bromodichloromethane	0.706	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Bromoethane	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Bromoform	5.54	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Bromomethane	11.2	Method B NCAR	--	1 U	1 U	--	1 U	1 U	--	--	--
Carbon disulfide	800	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Carbon tetrachloride	0.625	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Chlorobenzene	160	Method B NCAR	--	**4.6**	**4.8**	--	**0.5**	**0.53**	--	--	--
Chlorobromomethane	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Chloroethane	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Chloroform	1.41	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Chloromethane	NV	NV	--	0.5 U	0.5 U	--	0.5 U	0.5 U	--	--	--
cis-1,2-Dichloroethene	16	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
cis-1,3-Dichloropropene	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Dibromochloromethane	0.521	Method B CAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Dibromomethane	80	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Dichlorodifluoromethane	1600	Method B NCAR	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--

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Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
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		Location	GP49	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP	MW01-GW-140618	FD-GW-140618	MW01-GW-091014
		Collection Date	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014	06/18/2014	06/18/2014	09/10/2014
		Sample Collection Depth (ft bgs)[a]	8.5-13.5	5.61-13.44	5.61-13.44	9.87-13.44	NM	NM	6.09-13.45	6.09-13.45	7.74-13.44
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source									
Freon 113	240000	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	--	0.5 U	0.5 U	--	0.5 U	0.5 U	--	--	--
Isopropylbenzene	800	Method B NCAR	--	**2.8**	**3.2**	--	**0.76**	**0.81**	--	--	--
m,p-Xylene	1000	Method A	--	0.4 U	0.4 U	--	0.4 U	0.4 U	--	--	--
Methyl iodide	NV	NV	--	1 U	1 U	--	1 U	1 U	--	--	--
Methyl tert-butyl ether	20	Method A	--	--	--	--	--	--	--	--	--
Methylene chloride	5	Method A	--	1 U	1 U	--	1 U	1 U	--	--	--
Naphthalene	160	Method A	--	**0.7**	**1**	--	0.5 U	0.5 U	--	--	--
n-Butylbenzene	400	Method B NCAR	--	**0.5**	**0.5**	--	**0.31 J**	**0.33 J**	--	--	--
n-Hexane	480	Method B NCAR	--	--	--	--	--	--	--	--	--
n-Propylbenzene	800	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
o-Xylene	1600	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
sec-Butylbenzene	800	Method B NCAR	--	**2**	**2.2**	--	**1.2**	**1.3**	--	--	--
Styrene	1600	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
tert-Butylbenzene	800	Method B NCAR	--	**0.3**	**0.3**	--	0.2 U	0.2 U	--	--	--
Tetrachloroethene	5	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Toluene	1000	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
trans-1,2-dichloroethene	160	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
trans-1,3-Dichloropropene	NV	NV	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	--	1 U	1 U	--	1 U	1 U	--	--	--
Trichloroethene	5	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Trichlorofluoromethane	2400	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Vinyl Acetate	8000	Method B NCAR	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Vinyl chloride	0.2	Method A	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	--	--
Semi-volatile Organic Compounds by 8270 (ug/L)											
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
1,2-Dichlorobenzene	720	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	1 U	1 U	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
1-Methylnaphthalene	160	Method A	--	**11**	**12**	--	--	--	--	--	--
2,4,5-Trichlorophenol	800	Method B NCAR	--	5 U	5 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	3.98	Method B CAR	--	5 U	5 U	--	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
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		Location	GP49	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP	MW01-GW-140618	FD-GW-140618	MW01-GW-091014
		Collection Date	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014	06/18/2014	06/18/2014	09/10/2014
		Sample Collection Depth (ft bgs)[a]	8.5-13.5	5.61-13.44	5.61-13.44	9.87-13.44	NM	NM	6.09-13.45	6.09-13.45	7.74-13.44
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source									
2,4-Dichlorophenol	24	Method B NCAR	--	5 U	5 U	--	--	--	--	--	--
2,4-Dimethylphenol	160	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
2,4-Dinitrophenol	32	Method B NCAR	--	10 U	10 U	--	--	--	--	--	--
2,4-Dinitrotoluene	0.282	Method B CAR	--	5 U	5 U	--	--	--	--	--	--
2,6-Dinitrotoluene	0.0583	Method B CAR	--	5 U	5 U	--	--	--	--	--	--
2-Chloronaphthalene	640	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
2-Chlorophenol	40	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
2-Methylnaphthalene	160	Method A	--	**1.9**	**2.1**	--	--	--	--	--	--
2-Methylphenol	400	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
2-Nitroaniline	160	Method B NCAR	--	5 U	5 U	--	--	--	--	--	--
2-Nitrophenol	NV	NV	--	5 U	5 U	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.194	Method B CAR	--	5 U	5 U	--	--	--	--	--	--
3-Nitroaniline	NV	NV	--	5 U	5 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	--	10 U	10 U	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	--	1 U	1 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	--	5 U	5 U	--	--	--	--	--	--
4-Chloroaniline	0.219	Method B CAR	--	5 U	5 U	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	--	1 U	1 U	--	--	--	--	--	--
4-Methylphenol	800	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
4-Nitroaniline	NV	NV	--	5 U	5 U	--	--	--	--	--	--
4-Nitrophenol	NV	NV	--	5 U	5 U	--	--	--	--	--	--
Acenaphthene	960	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	1 U	1 U	--	--	--	--	--	--
Anthracene	4800	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	--	1 U	1 U	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	1 U	1 U	--	--	--	--	--	--
Benzoic acid	64000	Method B NCAR	--	10 U	10 U	--	--	--	--	--	--
Benzyl alcohol	800	Method B NCAR	--	5 U	5 U	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	--	1 U	1 U	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.0398	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Butylbenzylphthalate	46.1	Method B CAR	--	1 U	1 U	--	--	--	--	--	--

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		Location	GP49	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP	MW01-GW-140618	FD-GW-140618	MW01-GW-091014
		Collection Date	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014	06/18/2014	06/18/2014	09/10/2014
		Sample Collection Depth (ft bgs)[a]	8.5-13.5	5.61-13.44	5.61-13.44	9.87-13.44	NM	NM	6.09-13.45	6.09-13.45	7.74-13.44
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source									
Carbazole	NV	NV	--	1 U	1 U	--	--	--	--	--	--
Chrysene	12	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Diethyl phthalate	12800	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	--	1 U	1 U	--	--	--	--	--	--
Di-n-butyl phthalate	1600	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Di-n-octyl phthalate	160	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Fluoranthene	640	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Fluorene	640	Method B NCAR	--	**2**	**2**	--	--	--	--	--	--
Hexachlorobenzene	0.0547	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Hexachlorocyclopentadiene	48	Method B NCAR	--	5 U	5 U	--	--	--	--	--	--
Hexachloroethane	1.09	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Isophorone	46.1	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Naphthalene	160	Method A	--	1 U	1 U	--	--	--	--	--	--
Nitrobenzene	16	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
N-Nitrosodiphenylamine	17.9	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
N-Nitrosodipropylamine	0.0125	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Pentachlorophenol	0.219	Method B CAR	--	5 U	5 U	--	--	--	--	--	--
Phenanthrene	NV	NV	--	**1.4**	**1.5**	--	--	--	--	--	--
Phenol	2400	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Pyrene	480	Method B NCAR	--	1 U	1 U	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	--	1 U	1 U	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (ug/L)											
1-Methylnaphthalene	160	Method A	--	**8.5**	**9.1**	**11**	--	--	--	--	--
2-Methylnaphthalene	160	Method A	--	**1.8**	**2**	0.1 U	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
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		Location	GP49	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP	MW01-GW-140618	FD-GW-140618	MW01-GW-091014
		Collection Date	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014	06/18/2014	06/18/2014	09/10/2014
		Sample Collection Depth (ft bgs)[a]	8.5-13.5	5.61-13.44	5.61-13.44	9.87-13.44	NM	NM	6.09-13.45	6.09-13.45	7.74-13.44
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source									
Acenaphthene	960	Method B NCAR	--	**0.83**	**0.41**	**0.93**	--	--	--	--	--
Acenaphthylene	NV	NV	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Anthracene	4800	Method B NCAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Benzo(b)fluoranthene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Benzo(j+k)fluoranthene	1.20	Method B CAR	--	--	--	--	--	--	--	--	--
Chrysene	12	Method B CAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Fluoranthene	640	Method B NCAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Fluorene	640	Method B NCAR	--	**2**	**2**	**2.7**	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Naphthalene	160	Method A	--	**0.23**	**0.26**	**0.13**	--	--	--	--	--
Phenanthrene	NV	NV	--	**1.5**	**1.4**	**1.8**	--	--	--	--	--
Pyrene	480	Method B NCAR	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	--	0.2 U	0.2 U	0.2 U	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)											
Gasoline-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)											
Gasoline-Range Organics	800	Method A	--	**400**	**380**	--	250 U	250 U	--	--	--
Diesel-Range Organics	500	Method A	250 U	**1300**	**1200**	**1800**	**1700**	**1600**	**1400**	**1700**	**1300**
Heavy-Oil-Range Organics	500	Method A	410 U	**240**	**220**	**490**	**870**	**930**	**310**	**350**	**300**
Calculated Totals											
cPAH TEQ by 8270	0.1	Method A	--	ND	ND	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	0.1	Method A	--	ND	ND	ND	--	--	--	--	--
Total naphthalenes by 8270	160	Method A	--	**13.4**	**14.6**	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	Method A	--	**10.53**	**11.36**	**11.18**	--	--	--	--	--
Total PCBs	0.1	Method A	--	--	--	--	--	--	--	--	--
Total Xylenes	1000	Method A	--	ND	ND	--	ND	ND	--	--	--

Table F-5
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Sedro-Woolley, Washington

		Location	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW05	MW07	MW08
		Sample Name	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816	MW01-GW-042617	MWDUP-GW-042617	MW05-GW-042617	MW07-GW-042617	MW08-GW-042617
		Collection Date	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	7.74-13.44	6.09-13.46	6.09-13.46	6.12-13.43	6.12-13.43	5.35-13.40	5.35-13.40	5.76-10.60	7.85-19.74	7.38-15.80
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Dissolved Metals (ug/L)												
Arsenic	5	Method A	--	--	--	--	--	--	--	--	--	--
Barium	3200	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Cadmium	5	Method A	--	--	--	--	--	--	--	--	--	--
Chromium	50	Method A	--	--	--	--	--	--	--	--	--	--
Lead	15	Method A	--	--	--	--	--	--	--	--	--	--
Mercury	2	Method A	--	--	--	--	--	--	--	--	--	--
Nickel	320	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Selenium	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Silver	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Zinc	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/L)												
Aroclor 1016	1.12	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0.0438	Method B CAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0.0438	Method B CAR	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (ug/L)												
1,1,1,2-Tetrachloroethane	1.68	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	Method A	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.219	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.768	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	7.68	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	0.00146	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.0547	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	0.01	Method A	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	5	Method A	--	--	--	--	--	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
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VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW05	MW07	MW08
		Sample Name	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816	MW01-GW-042617	MWDUP-GW-042617	MW05-GW-042617	MW07-GW-042617	MW08-GW-042617
		Collection Date	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	7.74-13.44	6.09-13.46	6.09-13.46	6.12-13.43	6.12-13.43	5.35-13.40	5.35-13.40	5.76-10.60	7.85-19.74	7.38-15.80
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
1,2-Dichloropropane	1.22	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acetone	7200	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acrolein	4	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	0.081	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzene	5	Method A	--	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.706	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Bromoform	5.54	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bromomethane	11.2	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.625	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroform	1.41	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.521	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibromomethane	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	Method A	--	--	--	--	--	--	--	--	--	--

Table F-5
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VSF Properties, LLC, North Cascade Ford Property Investigation
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		Location	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW05	MW07	MW08
		Sample Name	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816	MW01-GW-042617	MWDUP-GW-042617	MW05-GW-042617	MW07-GW-042617	MW08-GW-042617
		Collection Date	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	7.74-13.44	6.09-13.46	6.09-13.46	6.12-13.43	6.12-13.43	5.35-13.40	5.35-13.40	5.76-10.60	7.85-19.74	7.38-15.80
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Freon 113	240000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	1000	Method A	--	--	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	20	Method A	--	--	--	--	--	--	--	--	--	--
Methylene chloride	5	Method A	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
n-Hexane	480	Method B NCAR	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
o-Xylene	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Styrene	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	Method A	--	--	--	--	--	--	--	--	--	--
Toluene	1000	Method A	--	--	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	Method A	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	2400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	8000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.2	Method A	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 (ug/L)												
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	3.98	Method B CAR	--	--	--	--	--	--	--	--	--	--

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		Location	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW05	MW07	MW08
		Sample Name	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816	MW01-GW-042617	MWDUP-GW-042617	MW05-GW-042617	MW07-GW-042617	MW08-GW-042617
		Collection Date	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	7.74-13.44	6.09-13.46	6.09-13.46	6.12-13.43	6.12-13.43	5.35-13.40	5.35-13.40	5.76-10.60	7.85-19.74	7.38-15.80
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
2,4-Dichlorophenol	24	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	32	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	0.282	Method B CAR	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	0.0583	Method B CAR	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	40	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.194	Method B CAR	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.219	Method B CAR	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--	--	--
Acenaphthene	960	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Benzoic acid	64000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.0398	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	Method B CAR	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	46.1	Method B CAR	--	--	--	--	--	--	--	--	--	--

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		Location	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW05	MW07	MW08
		Sample Name	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816	MW01-GW-042617	MWDUP-GW-042617	MW05-GW-042617	MW07-GW-042617	MW08-GW-042617
		Collection Date	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	7.74-13.44	6.09-13.46	6.09-13.46	6.12-13.43	6.12-13.43	5.35-13.40	5.35-13.40	5.76-10.60	7.85-19.74	7.38-15.80
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Carbazole	NV	NV	--	--	--	--	--	--	--	--	--	--
Chrysene	12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	12800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0547	Method B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	48	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	1.09	Method B CAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Isophorone	46.1	Method B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	17.9	Method B CAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.0125	Method B CAR	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.219	Method B CAR	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Phenol	2400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Pyrene	480	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (ug/L)												
1-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW05	MW07	MW08
		Sample Name	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816	MW01-GW-042617	MWDUP-GW-042617	MW05-GW-042617	MW07-GW-042617	MW08-GW-042617
		Collection Date	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	7.74-13.44	6.09-13.46	6.09-13.46	6.12-13.43	6.12-13.43	5.35-13.40	5.35-13.40	5.76-10.60	7.85-19.74	7.38-15.80
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Acenaphthene	960	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Benzo(j+k)fluoranthene	1.20	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chrysene	12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Pyrene	480	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)												
Gasoline-Range Organics	800	Method A	--	--	--			100 U	100 U	**490**	100 U	400 U
Diesel-Range Organics	500	Method A	**1400**	**2400**	**1900**	**1300**	**1300**	**620**	**560**	**1300**	260 U	**1000**
Heavy-Oil-Range Organics	500	Method A	**390**	**1400**	**1200**	610 U	590 U	**510 J**	410 U	**1100**	410 U	**690**
Calculated Totals												
cPAH TEQ by 8270	0.1	Method A	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270	160	Method A	--	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	Method A	--	--	--	--	--	--	--	--	--	--
Total PCBs	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000	Method A	--	--	--	--	--	--	--	--	--	--

Table F-5
2012 to 2017 Groundwater Analytical Results—Area of Concern 1
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

NOTES:

Detections in **bold.**

Detected concentrations are compared to MTCA Method A CULs for groundwater or MTCA Method B CULs if no MTCA Method A value is available.

CUL exceedances highlighted.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 = U.S. Environmental Protection Agency Method 8270.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

cPAH TEQ = carcinogenic polycyclic aromatic hydrocarbon toxic equivalency quotient.

CUL = cleanup level.

ft bgs = feet below ground surface.

J = result is an estimated value.

Method A = MTCA Method A CUL for groundwater.

Method B CAR = MTCA Method B standard formula value CUL for carcinogenic compounds.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

MTCA = Model Toxics and Control Act.

NA = not applicable.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

U = analyte not detected at or above the method reporting limit.

ug/L = micrograms per liter (parts per billion).

UR = Result is non-detect and rejected.

[a]Sample collection depths are from the top of the water table or the top of the screened interval, whichever is deeper, to the bottom of the screened interval.

Table F-6
2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 2									
		Location	GP16	GP34	GP52	GP53	GP54	GP74	GP75	MW02R	MW04	MW06
		Sample Name	GP16-W-17.5	GP34-W-9.0	GP52-W-8.0	GP53-W-12.0	GP54-W-10.0	GP74-W-9.0	GP75-W-10.0	MW02R-GW-042617	MW04-GW-042617	MW06-GW-042617
		Collection Date	12/02/2012	11/14/2016	11/17/2016	11/17/2016	11/17/2016	4/25/2017	4/25/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	15.0-20.0	9.40-13.0	8.0-13.0	14.20-14.5	9.5-14.5	6.51-15.0	7.0-13.0	6.60-14.80	6.39-13.60	7.66-19.74
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Dissolved Metals (ug/L)												
Arsenic	5	Method A	--	--	--	--	--	--	--	--	--	--
Barium	3200	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Cadmium	5	Method A	--	--	--	--	--	--	--	--	--	--
Chromium	50	Method A	--	--	--	--	--	--	--	--	--	--
Lead	15	Method A	--	--	--	--	1 U	--	--	--	--	--
Mercury	2	Method A	--	--	--	--	--	--	--	--	--	--
Selenium	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Silver	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (ug/L)												
1,1,1,2-Tetrachloroethane	1.68	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	Method A	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.219	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.768	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	7.68	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	0.00146	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.0547	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	0.01	Method A	--	--	--	--	0.0096 U	--	--	--	--	--
1,2-Dichlorobenzene	720	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	5	Method A	--	--	--	--	0.2 U	--	--	--	--	--
1,2-Dichloropropane	1.22	Method B CAR	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--

Table F-6
2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 2									
		Location	GP16	GP34	GP52	GP53	GP54	GP74	GP75	MW02R	MW04	MW06
		Sample Name	GP16-W-17.5	GP34-W-9.0	GP52-W-8.0	GP53-W-12.0	GP54-W-10.0	GP74-W-9.0	GP75-W-10.0	MW02R-GW-042617	MW04-GW-042617	MW06-GW-042617
		Collection Date	12/02/2012	11/14/2016	11/17/2016	11/17/2016	11/17/2016	4/25/2017	4/25/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	15.0-20.0	9.40-13.0	8.0-13.0	14.20-14.5	9.5-14.5	6.51-15.0	7.0-13.0	6.60-14.80	6.39-13.60	7.66-19.74
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
2-Chlorotoluene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acetone	7200	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acrolein	4	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	0.081	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzene	5	Method A	--	--	--	--	0.2 U	--	--	--	--	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.706	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Bromoform	5.54	Method B CAR	--	--	--	--	--	--	--	--	--	--
Bromomethane	11.2	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.625	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroform	1.41	Method B CAR	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.521	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibromomethane	80	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	Method A	--	--	--	--	0.2 U	--	--	--	--	--
Freon 113	240000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	Method B CAR	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	1000	Method A	--	--	--	--	0.4 U	--	--	--	--	--
Methyl iodide	NV	NV	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	20	Method A	--	--	--	--	0.2 U	--	--	--	--	--
Methylene chloride	5	Method A	--	--	--	--	--	--	--	--	--	--

Table F-6
2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 2									
		Location	GP16	GP34	GP52	GP53	GP54	GP74	GP75	MW02R	MW04	MW06
		Sample Name	GP16-W-17.5	GP34-W-9.0	GP52-W-8.0	GP53-W-12.0	GP54-W-10.0	GP74-W-9.0	GP75-W-10.0	MW02R-GW-042617	MW04-GW-042617	MW06-GW-042617
		Collection Date	12/02/2012	11/14/2016	11/17/2016	11/17/2016	11/17/2016	4/25/2017	4/25/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	15.0-20.0	9.40-13.0	8.0-13.0	14.20-14.5	9.5-14.5	6.51-15.0	7.0-13.0	6.60-14.80	6.39-13.60	7.66-19.74
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
n-Hexane	480	Method B NCAR	--	--	--	--	1 U	--	--	--	--	--
n-Propylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
o-Xylene	1600	Method B NCAR	--	--	--	--	0.2 U	--	--	--	--	--
sec-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Styrene	1600	Method B NCAR	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	Method A	--	--	--	--	--	--	--	--	--	--
Toluene	1000	Method A	--	--	--	--	1 U	--	--	--	--	--
trans-1,2-dichloroethene	160	Method B NCAR	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	Method A	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	2400	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	8000	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.2	Method A	--	--	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds by 8270 SIM (ug/L)												
1-Methylnaphthalene	160	Method A	--	**72**	0.094 U	0.1 U	**0.9**	--	--	--	--	--
2-Methylnaphthalene	160	Method A	--	**88**	0.094 U	0.1 U	0.1 U	--	--	--	--	--
Acenaphthene	960	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	4800	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Chrysene	12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	640	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	Method A	--	**43**	0.094 U	**0.11**	**0.48**	--	--	--	--	--

Table F-6
2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 2									
		Location	GP16	GP34	GP52	GP53	GP54	GP74	GP75	MW02R	MW04	MW06
		Sample Name	GP16-W-17.5	GP34-W-9.0	GP52-W-8.0	GP53-W-12.0	GP54-W-10.0	GP74-W-9.0	GP75-W-10.0	MW02R-GW-042617	MW04-GW-042617	MW06-GW-042617
		Collection Date	12/02/2012	11/14/2016	11/17/2016	11/17/2016	11/17/2016	4/25/2017	4/25/2017	4/26/2017	4/26/2017	4/26/2017
		Sample Collection Depth (ft bgs)[a]	15.0-20.0	9.40-13.0	8.0-13.0	14.20-14.5	9.5-14.5	6.51-15.0	7.0-13.0	6.60-14.80	6.39-13.60	7.66-19.74
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source										
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Pyrene	480	Method B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	Method B CAR	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Diesel-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Heavy-Oil-Range Organics	NA	NA	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)												
Gasoline-Range Organics	800	Method A	250 U	--	--	--	**290**					
Diesel-Range Organics	500	Method A	100 U	**7400**	**270**	260 U	**1000**	260 U	260 U	**750**	**260**	260 U
Heavy-Oil-Range Organics	500	Method A	200 U	770 U	410 U	420 U	420 U	420 U	420 U	410 U	420 U	410 U
Calculated Totals												
cPAH TEQ by 8270 SIM	0.1	Method A	--	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	Method A	--	**137.5**	ND	**0.21**	**1.43**	--	--	--	--	--
Total Xylenes	1000	Method A	--	--	--	--	ND	--	--	--	--	--

Table F-6
2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 3								Other		
Location			GP05	GP09	GP50	GP51	GP53	GP76	GP77	GP78	GP02	GP04	GP17
Sample Name			GP5-W-10	GP9-W-10	GP50-W-11.0	GP51-W-11.0	GP53-W-12.0	GP76-W-10.0	GP77-W-10.0	GP78-W-10.0	GP2-W-10	GP4-W-10	GP17-W-12.5
Collection Date			05/08/2012	05/08/2012	11/16/2016	11/16/2016	11/17/2016	4/25/2017	4/25/2017	4/25/2017	05/06/2012	05/07/2012	12/03/2012
Sample Collection Depth (ft bgs)[a]			8.0-12.0	9.40-12.0	10.20-15.0	8.85-12.0	14.20-14.5	6.0-15.0	6.30-15.0	6.70-14.0	5.80-15.0	8.0-12.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source											
Dissolved Metals (ug/L)													
Arsenic	5	Method A	**1**	0.2 U	--	--	--	--	--	--	**0.5**	**0.3**	--
Barium	3200	Method B NCAR	**48.7**	**15.4**	--	--	--	--	--	--	**13.1**	**42.8**	--
Cadmium	5	Method A	**0.1**	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Chromium	50	Method A	0.5 U	**0.8**	--	--	--	--	--	--	0.5 U	0.5 U	--
Lead	15	Method A	0.1 U	0.1 U	--	--	--	--	--	--	**0.1**	0.1 U	--
Mercury	2	Method A	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Selenium	80	Method B NCAR	2 U	0.5 U	--	--	--	--	--	--	0.5 U	0.5 U	--
Silver	80	Method B NCAR	0.2 U	0.2 U	--	--	--	--	--	--	0.2 U	0.2 U	--
Volatile Organic Compounds (ug/L)													
1,1,1,2-Tetrachloroethane	1.68	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1,1-Trichloroethane	200	Method A	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1,2,2-Tetrachloroethane	0.219	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1,2-Trichloroethane	0.768	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1-Dichloroethane	7.68	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1-Dichloroethene	400	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,2,3-Trichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
1,2,3-Trichloropropane	0.00146	Method B CAR	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
1,2,4-Trichlorobenzene	1.51	Method B CAR	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
1,2,4-Trimethylbenzene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,2-Dibromo-3-chloropropane	0.0547	Method B CAR	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
1,2-Dibromoethane	0.01	Method A	--	--	--	--	--	0.0096 U	--	0.0095 U	0.2 U	0.2 U	--
1,2-Dichlorobenzene	720	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,2-Dichloroethane	5	Method A	--	--	--	--	--	2 U	--	0.2 U	0.2 U	0.2 U	--
1,2-Dichloropropane	1.22	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,3,5-Trimethylbenzene	80	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,3-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,4-Dichlorobenzene	8.1	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,4-Dichlorobenzene	4800	Method B NCAR	--	--	--	--	--	--	--	--	5 U	5 U	--
2-Chloroethylvinyl ether	NV	NV	--	--	--	--	--	--	--	--	1 U	1 U	--

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2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
Supplemental Data Gap Investigation
VSF Properties, LLC, North Cascade Ford Property Investigation
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			AOC 3								Other		
Location			GP05	GP09	GP50	GP51	GP53	GP76	GP77	GP78	GP02	GP04	GP17
Sample Name			GP5-W-10	GP9-W-10	GP50-W-11.0	GP51-W-11.0	GP53-W-12.0	GP76-W-10.0	GP77-W-10.0	GP78-W-10.0	GP2-W-10	GP4-W-10	GP17-W-12.5
Collection Date			05/08/2012	05/08/2012	11/16/2016	11/16/2016	11/17/2016	4/25/2017	4/25/2017	4/25/2017	05/06/2012	05/07/2012	12/03/2012
Sample Collection Depth (ft bgs)[a]			8.0-12.0	9.40-12.0	10.20-15.0	8.85-12.0	14.20-14.5	6.0-15.0	6.30-15.0	6.70-14.0	5.80-15.0	8.0-12.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source											
2-Chlorotoluene	160	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
2-Hexanone	NV	NV	--	--	--	--	--	--	--	--	5 U	5 U	--
4-Chlorotoluene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
4-Isopropyltoluene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
4-Methyl-2-pentanone	640	Method B NCAR	--	--	--	--	--	--	--	--	5 U	5 U	--
Acetone	7200	Method B NCAR	--	--	--	--	--	--	--	--	5 U	5 U	--
Acrolein	4	Method B NCAR	--	--	--	--	--	--	--	--	5 U	5 U	--
Acrylonitrile	0.081	Method B CAR	--	--	--	--	--	--	--	--	1 U	1 U	--
Benzene	5	Method A	--	--	--	**15 J**	--	**5.8**	0.2 U	0.2 U	0.2 U	0.2 U	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromodichloromethane	0.706	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromoethane	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromoform	5.54	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromomethane	11.2	Method B NCAR	--	--	--	--	--	--	--	--	1 U	1 U	--
Carbon disulfide	800	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Carbon tetrachloride	0.625	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Chlorobenzene	160	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Chlorobromomethane	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Chloroethane	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Chloroform	1.41	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
cis-1,2-Dichloroethene	16	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Dibromochloromethane	0.521	Method B CAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Dibromomethane	80	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Ethylbenzene	700	Method A	--	--	--	**480 J**	--	**230**	0.2 U	0.2 U	0.2 U	0.2 U	--
Freon 113	240000	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Hexachlorobutadiene	0.561	Method B CAR	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
Isopropylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
m,p-Xylene	1000	Method A	--	--	--	**920 J**	--	**7.4**	0.4 U	0.4 U	0.4 U	0.4 U	--
Methyl iodide	NV	NV	--	--	--	--	--	--	--	--	1 U	1 U	--
Methyl tert-butyl ether	20	Method A	--	--	--	--	--	2 U	--	0.2 U	--	--	--
Methylene chloride	5	Method A	--	--	--	--	--	--	--	--	1 U	1 U	--

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2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
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			AOC 3								Other		
Location			GP05	GP09	GP50	GP51	GP53	GP76	GP77	GP78	GP02	GP04	GP17
Sample Name			GP5-W-10	GP9-W-10	GP50-W-11.0	GP51-W-11.0	GP53-W-12.0	GP76-W-10.0	GP77-W-10.0	GP78-W-10.0	GP2-W-10	GP4-W-10	GP17-W-12.5
Collection Date			05/08/2012	05/08/2012	11/16/2016	11/16/2016	11/17/2016	4/25/2017	4/25/2017	4/25/2017	05/06/2012	05/07/2012	12/03/2012
Sample Collection Depth (ft bgs)[a]			8.0-12.0	9.40-12.0	10.20-15.0	8.85-12.0	14.20-14.5	6.0-15.0	6.30-15.0	6.70-14.0	5.80-15.0	8.0-12.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source											
Naphthalene	160	Method A	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
n-Butylbenzene	400	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
n-Hexane	480	Method B NCAR	--	--	--	--	--	**76**	--	1 U	--	--	--
n-Propylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
o-Xylene	1600	Method B NCAR	--	--	--	**80 J**	--	2 U	0.2 U	0.2 U	0.2 U	0.2 U	--
sec-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Styrene	1600	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
tert-Butylbenzene	800	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Tetrachloroethene	5	Method A	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Toluene	1000	Method A	--	--	--	**6.1 J**	--	10 U	1 U	1 U	0.2 U	0.2 U	--
trans-1,2-dichloroethene	160	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
trans-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
trans-1,4-Dichloro-2-butene	NV	NV	--	--	--	--	--	--	--	--	1 U	1 U	--
Trichloroethene	5	Method A	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Trichlorofluoromethane	2400	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Vinyl Acetate	8000	Method B NCAR	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Vinyl chloride	0.2	Method A	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Semi-volatile Organic Compounds by 8270 SIM (ug/L)													
1-Methylnaphthalene	160	Method A	**0.07 J**	0.1 U	--	--	0.1 U	**98**	0.094 U	0.098 U	0.1 U	0.1 U	--
2-Methylnaphthalene	160	Method A	0.1 U	0.1 U	--	--	0.1 U	**150**	0.094 U	0.098 U	**0.05 J**	0.1 U	--
Acenaphthene	960	Method B NCAR	**0.07 J**	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Acenaphthylene	NV	NV	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Anthracene	4800	Method B NCAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Benzo(a)anthracene	0.12	Method B CAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Benzo(a)pyrene	0.1	Method A	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Benzo(ghi)perylene	NV	NV	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Chrysene	12	Method B CAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Dibenzo(a,h)anthracene	0.012	Method B CAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Dibenzofuran	16	Method B NCAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Fluoranthene	640	Method B NCAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Fluorene	640	Method B NCAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Indeno(1,2,3-cd)pyrene	0.12	Method B CAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Naphthalene	160	Method A	**0.07 J**	0.1 U	--	--	**0.11**	**180**	0.094 U	0.098 U	0.1 U	0.1 U	--

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2012 to 2017 Groundwater Analytical Results—Areas of Concern 2 and 3, Other
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VSF Properties, LLC, North Cascade Ford Property Investigation
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			AOC 3								Other		
Location			GP05	GP09	GP50	GP51	GP53	GP76	GP77	GP78	GP02	GP04	GP17
Sample Name			GP5-W-10	GP9-W-10	GP50-W-11.0	GP51-W-11.0	GP53-W-12.0	GP76-W-10.0	GP77-W-10.0	GP78-W-10.0	GP2-W-10	GP4-W-10	GP17-W-12.5
Collection Date			05/08/2012	05/08/2012	11/16/2016	11/16/2016	11/17/2016	4/25/2017	4/25/2017	4/25/2017	05/06/2012	05/07/2012	12/03/2012
Sample Collection Depth (ft bgs)[a]			8.0-12.0	9.40-12.0	10.20-15.0	8.85-12.0	14.20-14.5	6.0-15.0	6.30-15.0	6.70-14.0	5.80-15.0	8.0-12.0	10.0-15.0
	MTCA Method A/B CUL (ug/L)	MTCA CUL Source											
Phenanthrene	NV	NV	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Pyrene	480	Method B NCAR	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--
Total Benzofluoranthenes	0.12	Method B CAR	0.2 U	0.2 U	--	--	--	--	--	--	0.2 U	0.2 U	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range Organics	NA	NA	ND	ND	--	**DETECT**	--	**DETECT**	ND	ND	--	--	--
Diesel-Range Organics	NA	NA	ND	ND	--	ND	--	**DETECT**	ND	ND	--	--	--
Heavy-Oil-Range Organics	NA	NA	ND	ND	--	ND	--	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons (ug/L)													
Gasoline-Range Organics	800	Method A	--	--	--	**7400 J**	--	**6900**	--	--	250 U	250 U	250 U
Diesel-Range Organics	500	Method A	--	--	280 U	--	260 U	**2800 J**	--	--	100 U	100 U	110 U
Heavy-Oil-Range Organics	500	Method A	--	--	440 U	--	420 U	420 U	--	--	200 U	200 U	220 U
Calculated Totals													
cPAH TEQ by 8270 SIM	0.1	Method A	ND	ND	--	--	--	--	--	--	ND	ND	--
Total naphthalenes by 8270 SIM	160	Method A	**0.19 J**	ND	--		**0.21**	**428**	ND	ND	**0.225 J**	ND	--
Total Xylenes	1000	Method A	--	--	--	**1000 J**	--	**8.4**	ND	ND	ND	ND	--

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NOTES:

Detections in **bold.**

Detected concentrations are compared to MTCA Method A CULs for groundwater or MTCA Method B CULs if no MTCA Method A value is available.

CUL exceedances highlighted.

Total concentrations were calculated using one-half the method reporting limit for non-detects. Where all components were non-detect, the calculated total is "ND."

-- = not analyzed.

8270 SIM = U.S. Environmental Protection Agency Method 8270 selective ion monitoring.

AOC = area of concern.

cPAH TEQ = carcinogenic polycyclic aromatic hydrocarbon toxic equivalency quotient.

CUL = cleanup level.

ft bgs = feet below ground surface.

J = result is an estimated value.

Method A = MTCA Method A CUL for groundwater.

Method B CAR = MTCA Method B standard formula value CUL for carcinogenic compounds.

Method B NCAR = MTCA Method B standard formula value CUL for non-carcinogenic compounds.

MTCA = Model Toxics and Control Act.

NA = not applicable.

ND = not detected.

NV = no value.

U = analyte not detected at or above the method reporting limit.

ug/L = micrograms per liter (parts per billion).

[a]Sample collection depths are from the top of the water table or the top of the screened interval, whichever is deeper, to the bottom of the screened interval.