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January 24, 2017
Project No. 0747.01.06

Larry Setchell
Helsell Fetterman LLP
1001 Fourth Avenue
Seattle, Washington 98154

Re: 2016 Data Gap Investigation Results
North Cascade Ford Site, Sedro-Woolley, Washington

Dear Mr. Setchell:

On behalf of VSF Properties, LLC, Maul Foster & Alongi, Inc. (MFA) conducted a data gap investigation at the North Cascade Ford site in Sedro-Woolley, Washington (the Site) in November 2016. The investigation was conducted as part of a remedial investigation (RI) for the Site and in accordance with the scope of work outlined in the amended data gap investigation work plan (MFA, 2016a), with the revisions discussed below.

BACKGROUND

The Site includes the North Cascade Ford property located at 116 West Ferry Street in Sedro-Woolley, Washington (the Property), as well as an adjacent property to the north, owned by the Burlington Northern Santa Fe Railway Company (BNSF) (see Figures 1 and 2). An RI is being conducted at the Site in support of obtaining a No Further Action opinion for the Property from the Washington State Department of Ecology (Ecology) through its Voluntary Cleanup Program.

Previous investigations conducted as part of environmental due diligence and preliminary RI activities have identified environmental impacts on the Site (MFA, 2015b). Generally, environmental impacts were identified in four areas of the Site, referred to as Areas of Concern (AOCs). The following AOCs have been identified for the Site (MFA, 2015b):

- AOC 1: Auto Repair Shop. Chemically impacted soil and groundwater at the north end of the auto repair shop associated with a potential waste-oil spill, a former waste-oil aboveground storage tank (AST),[1] and a former oil AST.
- AOC 2: Former Underground Storage Tanks (USTs). Chemically impacted soil and groundwater to the southeast of the auto repair shop associated with the former heating-oil and unleaded-gasoline USTs. An interim remedial action was

[1] In previous reports, the waste-oil AST was identified as "active," but has since been removed.

conducted in September and October 2016 to remove the USTs and treat soil and groundwater in this AOC, including excavation and off-site disposal of soil and application of an in situ bioremediation product, but soil and groundwater impacts remain (MFA, 2016b).

- AOC 3: Former Coal Storage Sheds. Chemically impacted, coal-containing soil along the eastern perimeter of the Property associated with former coal storage sheds.
- AOC 4: Former Gasoline Station. Chemically impacted soil and groundwater, associated with former tire vulcanizing, battery servicing, and gas and oil storage and operations, at the western end of the Property. Chemical concentrations in soil and groundwater were determined to be below applicable cleanup standards; therefore, no further action is being conducted in this AOC, pending an opinion from Ecology.

During previous investigations, an evaluation of Site features determined that some did not pose an environmental concern. Those features and associated sample locations are not associated with any of the AOCs.

SCOPE OF WORK

In November 2016, MFA conducted a data gap investigation to further characterize the nature and extent of contamination in AOCs 1 through 3. The investigation was conducted in accordance with the scope of work outlined in the data gap investigation work plan amendment (MFA, 2016a), with the following revisions, as agreed to by the carrier group and their environmental consultant:

- In AOC 1, combine proposed borings 05 and 08 into one boring, and 06 and 10 into one boring.[2]
- In AOCs 2 and 3, combine proposed borings 20 and 35 into one boring.[2]
- A groundwater sample would not be collected from existing monitoring well MW03 and the well would not be redeveloped.
- A tiered analytical approach would be implemented in which follow-up analyses would be selected based on preliminary analytical results (e.g., follow-up analysis requested to evaluate related chemical constituents and/or to further delineate the extent of chemical exceedances in additional sampling locations and/or depths).

[2] Proposed boring numbers refer to Figure 3 in the data gap investigation work plan amendment (MFA, 2016a).

Sampling locations from this and previous investigations are shown in Figure 2, and sampling details are summarized in Table 1. Samples collected by Whatcom Environmental Services as part of a 2011 Phase II environmental site assessment (Whatcom, 2011) (borings B-1 through B-9) and samples associated with features that were determined not to pose an environmental concern and that are not associated with an AOC (borings B-3, GP02, GP03, and GP17) are also included in Table 1 and Figure 2.

During the interim action in AOC 2, the Property boundary was surveyed by a licensed surveyor (MFA, 2016b). The surveyed Property boundaries and boundaries for adjacent tax parcels, including the BNSF property, obtained from Skagit County (the County), are shown in Figure 2. The surveyed boundaries and the County parcel boundaries for the Property do not coincide. At the north end of the Property, the surveyed Property boundary overlaps with the BNSF parcel boundary as obtained from the County. For the purposes of this report, areas and sampling locations located within the surveyed Property boundaries are considered to be on the Property.

During this data gap investigation, samples were collected from borings GP33 through GP73 to further evaluate environmental impacts in AOCs 1 through 3. The following is a summary of investigation activities by AOC.

AOC 1—Auto Repair Shop:

- Seven borings were advanced on BNSF property, and soil and/or reconnaissance groundwater samples were collected and analyzed for the chemicals of interest (COIs) approved for sampling on the BNSF property, as included in the executed access agreement with BNSF.
- Nine borings were advanced on the Property, and soil and/or reconnaissance groundwater samples were collected and analyzed for COIs associated with AOC 1. One of the borings, GP42, is also included in AOC 3.
- Existing monitoring well MW01 was redeveloped and a groundwater sample was collected and analyzed for COIs associated with AOC 1.
- Groundwater samples from two locations, a sample from monitoring well MW01 and a reconnaissance sample from temporary boring GP38, were analyzed for geochemical parameters.

AOC 2—Former USTs:

- Six borings were advanced and soil and/or reconnaissance groundwater samples were collected and analyzed for COIs associated with AOC 2. One of the borings, GP53, is also included in AOC 3.

AOC 3—Former Coal Storage Sheds:

- A total of 23 borings were advanced, including initial borings and step-out borings. One of the borings, GP53, is also included in AOC 2. Step-out boring locations were selected based on field observations of soil conditions in the initial borings. Soil samples were collected from all borings and were selected for analysis based on field conditions and preliminary analytical results.
- Soil conditions in borings on the BNSF property were observed for potential impacts associated with AOC 3, but soil samples were collected and analyzed for COIs associated with AOC 3 in only those off-Property borings located in the Eastern Avenue right-of-way (ROW).

AOC 4—Former Gasoline Station

- As discussed above, no further action is being conducted in this AOC, pending an Ecology opinion.

FIELD AND ANALYTICAL PROCEDURES

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

Soil and groundwater samples, with the exception of the groundwater samples from monitoring well MW01, were collected from temporary boreholes advanced using a direct-push drill rig (Geoprobe™). All boring locations were cleared by both private and public utility locators before borehole advancement and were decommissioned with bentonite chips after sample collection. Boring locations were located either by a handheld global positioning system unit or by measuring relative to permanent features, using a surveyor's wheel (see Figure 2).

Soil Sampling

A Geoprobe was used to advance continuous soil cores at 40 boring locations from the ground surface up to 16 feet below ground surface (bgs). Most borings were advanced up to 15 feet bgs to evaluate potential soil impacts and to collect shallow reconnaissance groundwater samples. Eighteen 5-foot-deep borings were also completed in AOC 3 to evaluate coal-related impacts in shallow soil. A photoionization detector (PID) was used to screen soil for organic vapors. PID readings, soil conditions, and visual and olfactory observations were recorded on field boring logs (see boring logs included as Attachment A). Generally, soil samples were collected from the unsaturated, vadose, and saturated zones as

well as areas with elevated PID readings, sheen, or odor. Soil samples from borings in AOC 3 were collected from, and immediately below, areas of observable coal, where present.

Reconnaissance Groundwater Sampling

Temporary well screens (0.75-inch-diameter, 10-foot-long, polyvinyl chloride, slotted pipe) were installed at 20 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 Attachment B). A ferrous iron concentration was measured in the field at GP38, using a field visual test kit, and recorded on the FSDS.

Monitoring Well Redevelopment

Monitoring well MW01 required redevelopment since it had not been sampled in nearly two years. The well was redeveloped on November 22, 2016. Redevelopment consisted of using a disposable bailer to surge and bail the well, followed by purging using a peristaltic pump and disposable tubing. Dark brown, viscous free product was encountered on the sides of the bailer and tubing, consistent with previous observations at this well. After redevelopment, turbidity was measured at 0.71 nephelometric turbidity unit (NTU); all other field-measured water quality parameters had stabilized (see well redevelopment form included as Attachment C).

Monitoring Well Sampling

Before sampling began, at least 24 hours were allowed for monitoring well MW01 to recharge and stabilize after redevelopment. The well was sampled on November 28, 2016. Before sampling, the water level was measured using an oil-water interface probe. Dark brown, viscous free product was present on the tip of the probe, but not enough product was present to measure a thickness. After the water level was measured and before sample collection, MW01 was purged at a low flow rate until at least one pore volume was removed, all water quality parameters had stabilized, and turbidity had decreased to 0.45 NTUs. Two groundwater samples, including a field duplicate, were collected from the well (see water FSDSs in Attachment B). A ferrous iron concentration was measured in the field using a field visual test kit and recorded on the FSDS.

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. One composite soil sample was collected, for disposal characterization, from the drum containing soil cuttings.

Laboratory Analysis

Soil and groundwater samples were labeled, preserved, 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, are summarized in Table 1 (locations GP33 to GP73).

The following tiered approach was used in selecting samples for analysis:

- Soil and groundwater samples collected from sample depth intervals and/or locations with known or anticipated chemical impacts, based on field observations and/or previous analytical results, were analyzed first. Samples from additional depth intervals and/or locations (e.g., downgradient groundwater samples) were selected for follow-up analysis as needed to delineate the horizontal and vertical extent of impacts detected in the initial samples.
- Petroleum hydrocarbon (e.g., gasoline-, diesel-, and oil-range organics [GRO, DRO, and ORO, respectively]) and petroleum-related constituent (e.g., volatile organic compounds [VOCs], polychlorinated biphenyls [PCBs], polycyclic aromatic hydrocarbons [PAHs], and metals) analyses were requested as follow-ups for some samples, based on initial petroleum hydrocarbon identification results.
- In some cases, if chemical impacts were detected in a groundwater sample, follow-up analysis for the same chemicals in the co-located soil sample (if collected) was requested, and vice-versa. In these cases, both the soil and groundwater samples were analyzed to evaluate solid and dissolved-phase impacts in that location.

Laboratory analytical reports are included as Attachment D. A data validation memorandum, which summarizes data evaluation procedures, usability of data, and deviations from field and/or laboratory methods, is included as Attachment 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 Attachment E).

INVESTIGATION RESULTS

Geology and Hydrogeology

Subsurface soil conditions encountered in the boreholes were generally consistent with previous observations. A fill unit consisting of sandy gravel with silt was observed from the ground surface to approximately 1 to 2 feet bgs. The fill unit was underlain by silty sand with

intermittent lenses of poorly graded sand and a poorly graded sand unit, which were observed down to the maximum drilling depth of 16 feet bgs. Trace amounts of woody debris were observed in the silty sand and sand units and appeared to be more prevalent with depth.

Trace coal fragments were observed in shallow soil, generally in the upper 2 feet bgs, in borings advanced on the eastern half of the Property and in the Eastern Avenue ROW. Coal observations were consistent with previous observations, with a generally thinning out of coal with distance from the former coal sheds. Brick fragments also were commonly observed with the coal fragments.

Groundwater was encountered between approximately 6 and 14 feet bgs across the Site. Only two monitoring wells are present at the Site; therefore, groundwater flow directions could not be assessed. During previous monitoring events, groundwater across the Site was observed to consistently flow southeast (MFA, 2015b). However, given the shallow gradient and heterogeneous soil types observed across the Site, the potential exists for localized flow variations in each AOC.

Buried Object

During initial drilling attempts near boring GP51 in AOC 3 (see Figure 2), refusal was met a few inches below the asphalt surface. Small chunks of what appeared to be concrete were present in the coring shoe in the refusal locations. In that same area, an approximately 30-by-40-foot section of the asphalt surface appears to be slightly elevated. These observations suggest that a concrete slab may be present beneath the asphalt in this area.

Boring GP51 was relocated to the edge of the raised area. An approximately 1-foot-thick section of concrete was encountered at approximately 1.7 feet bgs, but drilling was able to proceed to the desired depth. During drilling, brick and coal fragments were encountered in soil above the concrete, and potential petroleum-related impacts were encountered in soil and groundwater below the concrete, including odor and elevated PID readings of up to 1,525 parts per million (see boring log in Attachment A). The strongest odors and highest PID readings were encountered in soil immediately below the concrete.

To further assess these potential petroleum impacts and soil conditions adjacent to the buried object, borings GP55 and GP56 were advanced to the south and east of the raised asphalt area, respectively. Trace coal fragments were observed in soil in boring GP56 and trace brick fragments in GP55, but potential petroleum impacts (e.g., staining, odor) were not observed. However, refusal was met at 1.8 feet bgs at GP56 because of a large chunk of wood in the coring shoe, and drilling did not continue any deeper; in addition, because of poor recovery at GP55, soil to only 3.2 feet bgs was observed. Soil samples from all three borings and groundwater from GP51 were analyzed for petroleum and/or petroleum-related constituents (see Table 1). Analytical results for AOC 3 are discussed in the next section.

Ecology UST records indicate that an unleaded-gasoline UST associated with the former Lentz Supply, Inc. (Lentz) may be located on the Property. A ground-penetrating radar (GPR) survey was conducted in the area of former Lentz operations, as determined from historical Sanborn fire insurance maps, to evaluate the presence of any USTs. No USTs were found in the area during the GPR survey. The buried object was identified immediately west of the former Lentz operation boundary and the GPR survey area boundary. It is possible that the buried object is a closed- or abandoned-in-place UST associated with former Lentz operations.

Analytical Results

Soil and groundwater analytical results from this and previous MFA investigations at the Site are summarized in Tables 2 and 3. Analytical results for soil and groundwater samples collected by Whatcom Environmental Services as part of a 2011 Phase II environmental site assessment (Whatcom, 2011) were tabulated for inclusion in this report and are summarized in Tables 4 and 5.

During previous investigations, extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) were analyzed in selected samples to determine the type of petroleum product present and to evaluate whether or not to calculate a site-specific total petroleum hydrocarbon (TPH) cleanup level (CUL) (see Table 1). As discussed in the RI (MFA, 2015b), given the absence of detections, the results were not used to calculate site-specific CULs. EPH and VPH results are not included in the analytical summary tables or discussed in this report, but were provided in the preliminary RI.

The following is a summary of chemicals detected in soil and groundwater in each AOC during this and previous investigations.

AOC 1: Former Auto Repair Shop

Soil

Analysis was conducted for metals, with detections in eight soil samples collected from six borings. Arsenic, barium, cadmium, chromium, lead, mercury, nickel, and/or zinc were detected in soil from 1 to 14 feet bgs. Chromium was detected at the greatest frequency, in eight out of eight samples analyzed. The greatest number of metals compounds detected were in the samples from locations GP01 and MW01.

Eleven samples, collected from nine borings, were analyzed for PCBs. PCBs were detected in four samples, one each from borings B-1, GP01, GP11, and GP37, at depths ranging from 0.5 to 6.2 feet bgs. The maximum total PCB concentration detected was 2.8 mg/kg in the sample collected from 5 feet bgs from boring B-1.

Ten soil samples collected from eight borings were analyzed for the full list of VOCs. Analysis was conducted for the benzene, toluene, ethylbenzene, and xylenes (BTEX) subset

of VOCs on two samples from two locations, B-1 and B-2, at depths of 5 and 14 feet bgs, respectively. VOCs were detected in nine samples from seven locations at depths ranging from 0.5 to 11.2 feet bgs. Twenty-four VOC compounds were detected at least once. The greatest number of VOC compounds and the highest VOC concentration, chlorobenzene at 2.9 mg/kg, were detected in the 1-to-3.4-foot-bgs sample from GP01.

Analysis was conducted for the full list of semivolatile organic compounds (SVOCs) on two samples from two locations (boring GP01 and monitoring well MW01). SVOCs detected in the sample from GP01, collected from 1 to 3.4 feet bgs, include PAHs and 1,2-, 1,3-, and 1,4-dichlorobenzene. Only PAHs were detected in the sample from MW01 collected from 1 to 5 feet bgs. Analysis was conducted for the PAH subset of SVOCs on 32 samples from 14 borings, with detections in 15 samples from nine borings at depths ranging from 0.5 to 13 feet bgs. The highest PAH concentration detected was 2-methylnaphthalene at 13 mg/kg in the 5.8-to-6.2-foot-bgs sample from GP37; this sample also had the highest total naphthalenes concentration (the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) of 28 mg/kg. Analysis for carcinogenic PAHs (cPAHs) was conducted on two additional samples (from borings B-1 and B-2), with detections in 12 samples from ten boring locations and from depths ranging from 0.5 to 14 feet bgs; the highest cPAH concentration detected was for chrysene at 0.71 mg/kg in the 5-foot-bgs sample from B-1. The highest cPAH toxic equivalency quotient (cPAH TEQ) concentration detected was 0.56 mg/kg in the 5-foot-bgs sample collected from B-1.

Thirty-four soil samples from 16 locations were analyzed for hydrocarbon identification and/or GRO, DRO, and/or ORO. Hydrocarbons were detected in 16 samples from 11 locations at depths ranging from 0.5 to 14 feet bgs. The highest total TPH (the sum of GRO, DRO, and ORO) concentration of 48,810 mg/kg was detected in the sample collected from B-1 at 5 feet bgs. GRO was detected in eight samples from seven locations; the highest detected concentration was 3,000 mg/kg, which was qualified as "estimated" through data validation, in the sample collected from GP37 from 5.8 to 6.2 feet bgs. DRO was detected in 13 samples from ten locations; the highest detected concentration was 16,000 mg/kg in the sample collected from B-1 at 5 feet bgs. ORO was detected in 16 samples from 11 locations; the highest detected concentration was 32,000 mg/kg in the sample collected from B-1 at 5 feet bgs.

Groundwater

Analysis for geochemical parameters (e.g., conventionals, dissolved iron) was performed on selected groundwater samples from AOC 1 to evaluate whether groundwater conditions would be favorable for in situ treatment (see Table 1). These data are provided in Table 6, but are not evaluated or discussed in this report. Following completion of the RI, these results will be evaluated as part of the final feasibility study.

Four groundwater samples from three locations (GP01, GP37, and MW01) were analyzed for dissolved metals. Arsenic, barium, chromium, and lead were each detected at least once.

Analysis for PCBs was conducted on two reconnaissance groundwater samples from two borings (GP01 and GP37). One PCB compound, Aroclor 1248, was detected in the May 6, 2012, sample from GP01 at a concentration of 0.009 micrograms per liter (ug/L), which was qualified as "estimated" through data validation.

Analysis for the full list of VOCs was performed on 12 groundwater samples from seven locations, including monitoring well MW01. VOCs were detected in 11 of those samples and 25 VOC compounds were detected at least once. The greatest number of VOC compounds and the highest VOC concentration, chlorobenzene at 340 ug/L, were detected in the 5-to-10-foot-bgs sample from GP01. Analysis for BTEX was also conducted on two samples from two locations, B-1 and B-2 (sampling depths were not recorded). Benzene, toluene, and xylenes were detected in the sample from B-2; BTEX was not detected in the sample from B-1.

Analysis for the full list of SVOCs was conducted on three samples from two locations (boring GP01 and monitoring well MW01). SVOCs detected in the reconnaissance sample from GP01, collected from 5 to 10 feet bgs on May 6, 2012, include 1,2-, 1,3-, and 1,4-dichlorobenzene; PAHs; 2-chlorophenol; and diethyl phthalate. Only PAHs were detected in the samples from MW01 collected from 3.5 to 13.5 feet bgs on May 15, 2012. Analysis for the PAH subset of SVOCs was performed on ten samples from six locations (five reconnaissance borings and monitoring well MW01). PAHs were detected in seven of those samples from four locations. The highest PAH concentration detected was 2-methylnaphthalene at 13 ug/L in the 5-to-10-foot-bgs reconnaissance sample from GP01; this sample also had the highest total naphthalenes concentration of 23.5 ug/L. cPAHs were not detected in any of the samples.

One sample from reconnaissance boring GP37, collected from 9 to 14 feet bgs, was analyzed for hydrocarbon identification. Hydrocarbons were detected in that sample; therefore, it was analyzed for GRO, DRO, and ORO. Including the sample from GP37, 35 samples from 21 locations were analyzed for GRO, DRO, and/or ORO. Thirteen of those samples, including field duplicates, were collected from monitoring well MW01 between May 15, 2012, and November 28, 2016. Hydrocarbons were detected in 24 samples from 12 locations, including MW01. The highest TPH concentration of 23,000 ug/L was detected in the reconnaissance sample collected from boring B-2 on November 15, 2011 (a sampling depth was not recorded). The highest DRO and ORO concentrations were also detected in the sample from B-2 at 13,000 ug/L and 8,600 ug/L, respectively. The highest GRO concentration of 1,800 ug/L was detected in the reconnaissance sample collected at GP01 from 5 to 10 feet bgs on May 6, 2012. GRO was detected in seven samples from six locations, DRO was detected in 24 samples from 12 locations, and ORO was detected in 19 samples from nine locations.

AOC 2: Former USTs

Analytical results for samples of soil that has since been removed and disposed of off site, as part of the interim action in AOC 2 (locations B-4, B-5, and MW02), are excluded from the soil analytical summary tables. Also, pre-interim action groundwater results from AOC 2 are excluded from the groundwater analytical summary tables (locations B-4, B-5, and MW02). These results are no longer considered relevant, given that in situ groundwater treatment was conducted as part of the interim action in the area where those samples were collected. The exception is that groundwater results from previous boring GP16 are included, since this boring was located in an inferred upgradient direction from the interim action groundwater treatment area. Soil samples were not collected from boring GP16.

Soil

Analysis for arsenic, cadmium, chromium, and lead was performed on one sample collected from the ground surface to 1.6 feet bgs from boring GP53. Chromium was detected at 22 mg/kg and lead at 72 mg/kg; arsenic and cadmium were not detected. Analysis for lead was also conducted on nine confirmation samples collected during the interim action. Lead was detected in two of those samples, SSW01 and SSW02 (collected at 3 and 6 feet bgs, respectively), at concentrations of 6.8 and 13 mg/kg, respectively. The highest lead concentration was detected in the sample from boring GP53.

Analysis for the full list of VOCs was conducted on four confirmation samples collected during the interim action. Analysis for BTEX was performed on the sample from boring GP53 and four confirmation samples; the confirmation samples were also analyzed for 1,2-dibromoethane and 1,2-dichloroethane. Acetone was detected in three of the confirmation samples; the highest concentration detected was estimated through data validation at 0.02 mg/kg in the sample collected from location SSW01 at 3 feet bgs. Ethylbenzene and xylenes were detected in the confirmation samples collected from locations NSW02 and WSW02, both from 7.5 feet bgs; the highest concentrations were detected in the sample from NSW02 at 0.41 mg/kg and 0.097 mg/kg, respectively.

Analysis for PAHs was performed on the sample collected from boring GP53; naphthalenes and cPAHs were detected at concentrations of 0.92 mg/kg (total naphthalenes) and 0.093 mg/kg (cPAH TEQ), respectively. Analysis for naphthalenes only was performed on 18 soil samples from three borings (GP33, GP34, and GP35) and nine interim action excavation confirmation sample locations. Naphthalenes were detected in seven of those samples, collected from depths ranging from 3 to 15 feet bgs; the highest total naphthalenes concentration of 53.2 mg/kg was detected in confirmation sample NSW02 at a depth of 7.5 feet bgs.

Ten samples were analyzed for GRO; the sample collected from boring GP53 and nine interim action excavation confirmation samples. GRO was not detected in any of the samples. Analysis for DRO and ORO was conducted on 19 samples from four borings

(GP33 to GP35 and GP53) and nine confirmation sample locations. DRO was detected in seven of those samples; the highest concentration of 14,000 mg/kg was detected in confirmation sample NSW02 at a depth of 7.5 feet bgs. ORO was detected in only one sample—the sample from GP53—at an estimated concentration of 300 mg/kg.

Groundwater
Analysis for dissolved lead, low-level VOCs (1,2-dibromoethane; 1,2-dichloroethane; and n-hexane), and BTEX was performed on the reconnaissance sample collected from boring GP54 from 9.5 to 14.5 feet bgs on November 17, 2016. None of these compounds were detected in any of the samples.

Analysis for naphthalenes was conducted on four reconnaissance samples collected from four borings (GP34, GP52, GP53, and GP54) between November 14 and 17, 2016. Naphthalenes were detected in three of these four samples. The highest total naphthalenes concentration detected was 137.5 ug/L in the reconnaissance sample collected at GP34 from 8.0 to 13.0 feet bgs.

Analysis for GRO was performed on two reconnaissance samples collected from two borings, GP16 and GP54, on December 2, 2012 and November 17, 2016, respectively. GRO was detected at 290 ug/L in the sample collected from GP54 from 9.5 to 14.5 feet bgs. GRO was not detected in the sample from GP16. Analysis for DRO and ORO was conducted on five reconnaissance samples collected from five borings (GP16, GP34, GP52, GP53, and GP54) between December 2, 2012, and November 17, 2016. DRO was detected in three of the samples. The highest DRO concentration detected was 7,400 ug/L in the reconnaissance sample collected at GP34 from 8.0 to 13.0 feet bgs on November 14, 2016. ORO was not detected in any of the samples.

AOC 3: Former Coal Storage Sheds

Soil
Thirty-four samples from 29 boring locations were analyzed for arsenic, cadmium, and lead; a subset of those were also analyzed for chromium. Chromium was detected in all samples analyzed, while the other metals were detected in 41 to 91 percent of the samples analyzed. Two samples collected from boring GP51 (adjacent to the buried object) were analyzed only for lead; lead was not detected in either sample. Four samples from two boring locations (GP05 and GP09) were also analyzed for barium, mercury, selenium, and silver. Barium was detected in all four samples, mercury in three samples, and silver in one sample. Selenium was not detected. The highest concentrations of these metals were detected in the sample from GP05 at a depth of 1.5 to 2.6 feet bgs.

Analysis for PCBs was performed on one sample collected from GP05 at 1.5 to 2.6 feet bgs. The total PCB concentration detected was 0.16 mg/kg.

Analysis for BTEX was performed on three samples collected from two locations: GP51 (adjacent to the buried object) and GP53, which is also associated with AOC 2. All results were flagged as estimated values because of a sample holding time exceedance (see Attachment E). BTEX was not detected in the sample from boring GP53. Benzene, ethylbenzene, and xylenes were detected in both samples collected from GP51. The highest concentration detected was total xylenes at an estimated concentration of 457 mg/kg in the sample from 2.7 to 3.0 feet bgs.

Analysis for the full list of SVOCs was conducted on one sample from boring GP05, collected from 1.5 to 2.6 feet bgs. SVOCs detected in this sample include naphthalenes, cPAHs, and other noncarcinogenic PAHs. The highest concentration detection was fluoranthene at 16 mg/kg, followed by the cPAH TEQ at 11 mg/kg. Analysis for the PAH subset of SVOCs was also performed on 39 samples from 30 borings, with detections in 33 samples from 24 borings at depths ranging from the ground surface to 14 feet bgs. The highest PAH concentration detected for this subset of samples was also fluoranthene at 16 mg/kg in the 1.5 to 2.6 feet bgs sample from GP05. Analysis for cPAHs was conducted on two additional samples (from borings B-8 and B-9), with detections in 30 samples from 29 boring locations at depths ranging from the ground surface to 6.3 feet bgs; the highest cPAH concentration detected was for total benzofluoranthenes at 14 mg/kg in the 1.5-to-2.6-foot-bgs sample from GP05. The highest cPAH TEQ concentration was also detected in that sample at 12 mg/kg.

Fifteen samples from six locations were analyzed for hydrocarbon identification and/or DRO, GRO, and/or ORO. Hydrocarbons were detected in eight samples from five locations at depths ranging from the ground surface to 13 feet bgs. The highest TPH concentration was estimated at 9,600 mg/kg was detected in the sample collected from GP51 at 2.7 to 3.0 feet bgs. This sample also had the highest detected GRO and DRO concentrations at estimated concentrations of 5,300 mg/kg and 4,300 mg/kg, respectively. DRO was detected in five samples from four locations, while GRO was detected in two samples from one location (GP51). ORO was detected in six samples from five locations; the highest detected concentration was 3,100 mg/kg in the sample collected from GP51 from 1.2 to 1.7 feet bgs.

Groundwater

Analysis for dissolved metals was performed on two reconnaissance samples collected from two borings (GP05 and GP09) on May 8, 2012. Arsenic, barium, cadmium, and chromium were each detected at least once.

Analysis for BTEX was conducted on a reconnaissance groundwater sample collected from boring GP51 from 7 to 12 feet bgs on November 16, 2016. GP51 is located in an inferred downgradient position from the buried object identified in AOC 3. BTEX was detected, but all results were flagged as estimated values because of hold time exceedances (see Attachment

E). The highest detected concentration was total xylenes at an estimated concentration of 1,000 ug/L.

Analysis for PAHs was performed on the two reconnaissance samples collected from borings GP05 and GP09. Naphthalenes were detected in the GP05 sample at an estimated concentration of 0.19 ug/L (total naphthalenes concentration). No PAHs were detected in the sample from GP09. Analysis for naphthalenes was also conducted on the reconnaissance sample collected from boring GP53 from 9.5 to 14.5 feet bgs on November 17, 2016. Naphthalene was detected at a concentration of 0.11 ug/L, but neither 1-methylnaphthalene nor 2-methylnaphthalene was detected.

Three reconnaissance samples from three locations (GP05, GP09, and GP51) were analyzed for hydrocarbon identification. Hydrocarbons were not detected in the samples from GP05 and GP09. GRO was detected in the sample from GP51, located inferred downgradient of the buried object; therefore, analysis was conducted for GRO, which was detected at an estimated concentration of 7,400 (ug/L). The reconnaissance samples from GP50 and GP53 were also analyzed for DRO and ORO to evaluate groundwater conditions downgradient of AOCs 1 and 2, respectively. Neither DRO nor ORO was detected in either sample.

AOC 4: Former Gasoline Station

Analytical results for samples collected in AOC 4 during previous investigations are included in the analytical summary tables and were discussed in the preliminary RI (MFA, 2015b). No additional sampling was conducted as part of this data gap investigation and no further action is being considered in AOC 4; therefore, analytical results for AOC 4 are not discussed in this report.

Other

Analytical results for samples collected during previous investigations to evaluate features that were later determined not be an environmental concern (including samples from borings B-3, GP02, GP03, and GP17) are included in the analytical summary tables and were discussed in the preliminary RI (MFA, 2015b), but are not discussed in this report.

RISK SCREENING

Preliminary Cleanup Levels

Preliminary CULs were developed in the RI (MFA, 2015b). Based on Ecology's RI review comments, MFA added soil CULs for protection of groundwater (MFA, 2016a). The following is a summary of those preliminary soil and groundwater CULs, which are used in this report and are included in Tables 2 through 5 for comparison to the analytical results.

Soil analytical results are compared to both MTCA Method A (unrestricted land use) CULs and soil concentrations for protection of groundwater. If a MTCA Method A value is not

available, the MTCA Method B (standard formula value) CUL is used. Natural background metals concentrations, obtained from Ecology's 1994 soil natural background guidance document (Ecology, 1994) are also provided. If the natural background concentration was greater than the MTCA Method A and/or soil-for-protection-of-groundwater CUL, the natural background concentration was used as the CUL.

Groundwater analytical results are compared to MTCA Method A CULs. If a MTCA Method A value is not available, the MTCA Method B (standard formula value) CUL is used.

The following sums were calculated for comparison to CULs; one-half the method reporting limit was used in the calculations for non-detect results:

- Total naphthalenes: sum of 1- and 2-methylnaphthalene and naphthalene
- cPAH TEQ: sum of the toxic equivalency factors (as defined in MTCA Table 708-2, WAC173-340-900) multiplied by the result values for cPAH compounds
- Total xylenes: sum of m-, p-, and o-xylene
- Total PCBs: sum of the PCB Aroclors

Note that heavy oils (the sum of DRO and ORO) were provided in previous reports. Hydrocarbon identification results provided in this report indicate the presence of both DRO and ORO compounds in some samples (see Tables 2 and 3). Therefore, DRO and ORO are compared to CULs individually in this report.

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 in each AOC are summarized in the analytical summary tables (Tables 2 through 5), are shown in Figures 3 to 14, and are discussed below.

SUMMARY OF ENVIRONMENTAL CONDITIONS

AOC 1: Auto Repair Shop

Environmental impacts were identified in three general areas:

1. GRO, DRO, ORO, VOCs (bromoethane; 1,4-dichlorobenzene; chlorobenzene; and methylene chloride), PCBs, cPAHs, naphthalenes, and lead were detected above CULs in soil up to 10.6 feet bgs beneath the building's slab foundation at the north end of the auto repair shop and on the BNSF property in a portion of the rail line ROW access area located outside the rear garage door of the repair shop building (borings B-1, GP01, GP11, GP37, GP44) (see Figures 3 to 5); borings B-1, GP01,

and GP44 are located immediately north of the garage door opening. GRO, DRO, ORO, and VOC (1,2,3-trichloropropane; 1,4-dichlorobenzene; and chlorobenzene) CUL exceedances were also detected in unconfined shallow groundwater from approximately 5 to 15 feet bgs in this same general area (borings GP01, GP11, GP37, GP38, and GP44) (see Figures 6 and 7). In general, the highest chemical concentrations were detected in borings on the BNSF property. A 500-gallon waste-oil AST was formerly located inside the building in this area; puddles with sheen were observed in the BNSF ROW area outside the garage door opening during the 2011 Phase II ESA (Whatcom, 2011); and a potential waste-oil spill in this area was reported to Ecology in 2004 (MFA, 2015b). During drilling in this area, sheen, staining, and odor were observed and elevated PID readings were detected in the capillary zone and the saturated zone.

2. GRO, DRO, ORO, and cPAHs were detected above CULs in soil up to 14 feet bgs on the Property and on the BNSF property in the rail line ROW access area approximately 75 feet east of the rear garage door opening (borings B-2 and GP43) (see Figures 3 and 5). GRO, DRO, and ORO CUL exceedances were also detected in unconfined shallow groundwater from approximately 3.5 to 15 feet bgs in this same general area (borings B-2 and GP43 and monitoring well MW01) (see Figure 6). In general, the highest chemical concentrations were detected in borings on the BNSF property. A 10,000-gallon oil AST was formerly located in this area. During drilling in this area, sheen, staining, and odor were observed and elevated PID readings were recorded in the capillary zone and the saturated zone. Free product was also encountered in monitoring well MW01. DRO was also detected above its CUL in groundwater in boring GP12, which is located approximately 50 feet east of B-2, GP43, and MW01.

3. The cPAH TEQ was detected above its CUL in soil from approximately 1.3 to 2.8 feet bgs in boring GP10, located on the Property (see Figure 5).

The soil cPAH exceedance in boring GP42 and the lead exceedance in GP50, shown in Figure 5, likely are connected with coal-related contamination associated with AOC 3; trace coal fragments were observed in the samples (see Attachment A).

AOC 2: Former USTs

DRO and naphthalenes were detected above CULs in soil up to 8.2 feet bgs on the west and north sidewalls of the interim action excavation area (WSW02 and NSW02) and to the west of the excavation limits (GP33 and GP34) (see Figure 8).[3] During drilling, sheen and odor were observed and slightly elevated PID readings were recorded in the saturated zone. Piping

[3] Results for final confirmation samples with no CUL exceedances are included in Table 2, but are not included in Figure 8.

formerly connected to the heating-oil UST remains in this area. The former heating-oil furnace location and UST piping connection points inside the auto repair shop building were not identified. Petroleum-contaminated soil was identified in the northwest corner of the excavation area during the interim action, in the direction of the UST piping (MFA, 2016b). It was not feasible to excavate in that area during the interim action, and therefore impacted soil remains.

DRO was also detected above its CUL in groundwater to the west and southeast of the excavation limits (see Figure 9). However, following the application of an in situ bioremediation product, it typically takes up to a year for subsurface conditions to stabilize. Therefore, DRO concentrations in groundwater may change.

AOC 3: Former Coal Storage Sheds

Metals (arsenic, cadmium, and lead), cPAHs, and naphthalenes were detected above CULs in soil up to approximately 2.6 feet bgs on the eastern portion of the Property (see Figures 10 and 11). An arsenic exceedance was detected in deeper soil, from approximately 5 to 6.2 feet bgs, in one location (GP09). However, the arsenic concentration is above the soil-for-protection-of-groundwater CUL, but not the Method A CUL, and arsenic was not detected in the groundwater sample collected from this boring (see Table 3).

CUL exceedances were not detected in soil in the Eastern Avenue ROW, east of the Property. Soil from borings located on the BNSF property to the north was not analyzed for COIs associated with AOC 3, as these COIs were not included in the BNSF-approved work plan (MFA, 2015a).

Coal observations, as recorded on boring logs during drilling (see Attachment A), and soil exceedances of coal-related COIs are shown in Figure 12. In general, the highest chemical concentrations coincide with the greatest thickness of coal; coal is more prevalent closer to the former coal sheds; and exceedances of coal-related COIs in soil coincide with either a measurable thickness of coal or the presence of trace fragments of coal in areas in close proximity to the former coal sheds. Coal-related COIs in soil exceeded CULs in only one location with no observable coal (GP59). Borings GP33, GP34, and GP43 are an exception. Soil exceedances in boring GP43 and borings GP33 and GP34 likely are associated with AOCs 1 and 2, respectively. Coal was not observed in those borings and they are located in areas with observed impacts associated with those AOCs, as discussed above and shown in Figures 5 and 8. Therefore, the cPAH and naphthalenes CUL exceedances in those borings likely are associated with petroleum impacts. In some borings, generally those located farther from the former coal sheds and/or at the edge of the Property or off the Property, coal was observed in the boring but no exceedances of coal-related COIs were detected in soil (GP19, GP29, GP52, GP53, GP54, GP60, GP64, GP67, GP68, and GP72).

CUL exceedances of coal-related COIs were not detected in groundwater in AOC 3 during previous investigations (MFA, 2015b); therefore, groundwater samples were not collected during the data gap investigation to evaluate coal impacts.

As discussed above, a buried object and potential petroleum-related impacts were encountered in and around boring GP51. Soil samples from borings GP51, GP55, and GP56 were analyzed for TPH and BTEX; soil samples from GP51 were also analyzed for lead. Lead was not detected, but benzene, ethylbenzene, xylenes, GRO, DRO, and ORO were detected above their CULs at GP51, and ORO was detected above its CUL at GP55 (see Figure 13). A groundwater sample was also collected from GP51 and analyzed for TPH and BTEX; benzene and GRO were detected above their CULs (see Figure 14).

DATA GAPS

The following is a discussion of data gaps remaining in each AOC. It may not be necessary to address all of the data gaps; some data gaps may not need to be addressed for a Property-specific cleanup, the data gaps that will need to be addressed may depend on the selected cleanup remedy, and property access and infrastructure limitations may prevent sampling needed to resolve some of these data gaps.

AOC 1: Auto Repair Shop

- The vertical and horizontal extent of GRO and VOC CUL exceedances in soil and groundwater on the BNSF property to the north, east, and west of boring GP01.
- The vertical and horizontal extent of TPH, cPAH, lead, and naphthalene exceedances in soil on the BNSF property to the north and east of borings B-1, B-2, GP01, GP43, and GP44.
- The extent of cPAH exceedances in soil on the BNSF property to the north and west of boring GP10.
- Only one monitoring well is present in this AOC; therefore, the groundwater flow direction has not been evaluated and representative groundwater samples have not been collected to confirm the reconnaissance groundwater sampling results.

AOC 2: Former USTs

- The vertical and horizontal extent of DRO and naphthalene CUL exceedances in soil to the northwest of the UST excavation area has not been delineated.
- The extent of DRO CUL exceedances in groundwater has not been delineated to the northwest, west, and south of the former USTs. Monitoring wells are not

present in the area; therefore, the groundwater flow direction has not been evaluated.

- Representative groundwater samples have not been collected from monitoring wells to confirm the reconnaissance groundwater sampling results.
- At least four quarters of post-treatment groundwater monitoring will be required to evaluate compliance with CULs. It may take up to a year for post-treatment groundwater conditions to stabilize.

AOC 3: Former Coal Storage Sheds

Data gaps associated with coal-related impacts:

- The on-Property extent of cPAH CUL exceedances in soil to the west of borings GP42 and GP62 has not been delineated.
- The off-Property extent of CUL exceedances of coal-related COIs in soil has not been delineated to the south of borings GP30 and GP69 and to the west of borings GP69 and GP70.
- The presence of coal-related COIs in soil on the BNSF property to the north of the Property, in the West Ferry Street ROW, and on the immediately adjacent property to the east of the Property, which likely is also owned by BNSF, has not been evaluated.

Data gaps associated with the buried object:

- The potential presence of a UST has not been evaluated.
- The potential presence of possible petroleum-related constituents recommended for sampling in Ecology's guidance (Ecology, 2016) (e.g., gasoline additives) in soil and groundwater in the vicinity of the buried object has not been evaluated.
- The nature and extent of BTEX and TPH exceedances in soil and groundwater have not been sufficiently characterized for development of a cleanup remedy.
- Monitoring wells are not present in the area; therefore, the groundwater flow direction has not been evaluated and representative groundwater samples have not been collected to confirm the reconnaissance groundwater sampling results.

CONCLUSIONS AND RECOMMENDATIONS

Specific data gaps remain for AOCs 1 through 3. The primary data gap, common to each of these three AOCs, is that an insufficient number of monitoring wells are present on the

Property for determination of groundwater flow directions and confirming reconnaissance groundwater sampling results. However, with the completion of this data gap investigation, sufficient data are available to identify suitable locations for well installation.

MFA recommends that a monitoring well installation, development, and sampling plan be developed and implemented as expeditiously as possible to begin evaluation of groundwater flow directions and representative groundwater concentrations and trends in AOCs 1, 2, and 3. MFA also recommends that VSF Properties consider—within the context of the Property cleanup, presumptive remedies, and access limitations—conducting additional sampling to address data gaps. Additional investigation to address data gaps may be conducted at the same time as the monitoring well installation to reduce mobilization costs.

Sincerely,

Maul Foster & Alongi, Inc.

Heather Good, LHG
Project Hydrogeologist

Justin Clary, PE
Principal Engineer

Attachments: Limitations
References
Tables
Figures
A—Boring Logs
B—Water Field Sampling Data Sheets
C—MW01 Well Development Form
D—Laboratory Analytical Reports
E—Data Validation Memorandum

cc: Frank Chmelik, Chmelik, Sitkin & Davis P.S.

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.

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Ecology. 2016. Guidance for remediation of petroleum contaminated sites. Publication No. 10-09-057. Toxics Cleanup Program, Washington State Department of Ecology. June.

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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TABLES



Table 1
Sample and Analytical Summary
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

Areas of Concern	Features of Environmental Concern	Location ID	Sample ID	Sample Matrix	Sample Date	Sample Interval (ft bgs)	HCID	GRO	DRO and ORO	EPH	VPH	BTEX	Metals (total)	Metals (dissolved)[a]	As, Cd, Cr (total)	As and Cd (total)	Cd, Cr, Ni, Pb, Zn (total)	Cd, Cr, Ni, Zn (dissolved)	Hg (total)	Pb (total)	Pb (dissolved)	Fe (dissolved)[b]	VOCs	Low-level VOCs (including EDC and MTBE)	He	SVOCs	PAHs	Naphthalenes	PCBs	EDB	n-Hexane	Conventionals	TOC
AOC 1	Former 500-gallon waste oil AST, former 10,000-gallon oil AST, waste oil spill, puddles with sheen	GP01 (BNSF Boring)	GP1-S-2.5	Soil	05/06/2012	1.0-3.4		X	X	X	X		X										X			X	X		X				
			GP1-W-7.5	Groundwater	05/06/2012	5.0-10.0		X	X					X									X			X	X		X				
		GP10	GP10-S-2.0	Soil	12/03/2012	1.3-2.8		X	X														X				X		X				X
			GP10-W-7.5	Groundwater	12/03/2012	5.0-10.0		X	X													X	X				X						
			GPDUP-W-7.5	Groundwater	12/03/2012	5.0-10.0		X	X													X	X				X						
			GP10-W-16.5	Groundwater	12/03/2012	14.0-19.0																X											
		GP11	GP11-S-1.25	Soil	12/02/2012	0.5-2.0		X	X														X				X		X				
			GP11-S-7.5	Soil	12/02/2012	6.0-9.0																											X
			GP11-W-17.5	Groundwater	12/02/2012	15.0-20.0		X	X													X	X				X						
		GP12	GP12-S-12.0	Soil	12/02/2012	10.0-14.0																											X
			GP12-W-7.5	Groundwater	12/02/2012	5.0-10.0		X	X													X	X				X						
			GP12-W-25.5	Groundwater	12/02/2012	23.0-28.0			X													X	X				X						
		GP13	GP13-S-1.6	Soil	12/02/2012	0.5-2.7		X	X														X				X		X				
		GP36	GP36-S-5.0	Soil	11/14/2016	4.8-5.2		X	X																		X						
			GP36-S-7.0	Soil	11/14/2016	6.8-7.2		X	X																		X						
			GP36-S-9.0	Soil	11/14/2016	8.8-9.2		X	X																		X						
			GP36-W-11.0	Groundwater	11/14/2016	11.0-16.0		X	X																		X						
		GP37	GP37-S-6.0	Soil	11/14/2016	5.8-6.2	X	X	X								X						X				X			X		
			GP37-S-8.5	Soil	11/14/2016	8.3-8.7	X		X								X						X				X			X		
			GP37-S-11.0	Soil	11/14/2016	10.8-11.2	X										X						X				X			X		
			GP37-W-10.0	Groundwater	11/14/2016	9.0-14.0	X	X	X									X					X				X			X	X		
		GP38	GP38-S-4.5	Soil	11/15/2016	4.0-5.0	X										X						X				X			X		
			GP38-S-5.5	Soil	11/15/2016	5.0-6.0		X	X																		X						
			GP38-S-8.0	Soil	11/15/2016	7.0-8.0		X	X																		X						
			GP38-W-11.0	Groundwater	11/15/2016	10.0-15.0		X	X													X	X				X			X	X	X	X
		GP39 (BNSF Boring)	GP39-S-3.5	Soil	11/15/2016	3.0 - 3.6	X																				X						
			GP39-S-6.0	Soil	11/15/2016	5.5 - 6.5	X																				X						
			GP39-S-8.0	Soil	11/15/2016	7.5 - 8.5	X																				X						
			GP39-W-7.0	Groundwater	11/15/2016	10.0-15.0			X																								
		GP40	GP40-S-3.5	Soil	11/15/2016	3.0-4.0		X	X																		X						
			GP40-S-6.0	Soil	11/15/2016	5.5-6.5		X	X																		X						
			GP40-S-10.0	Soil	11/15/2016	10.0-11.0		X	X																		X						
			GP40-W-7.0	Groundwater	11/15/2016	6.0-11.0			X																		X						
		GP41	GP41-S-2.5	Soil	11/15/2016	2.0-2.8	X																X				X			X		
			GP41-S-6.5	Soil	11/15/2016	5.5-6.5		X	X																		X						
			GP41-S-8.5	Soil	11/15/2016	8.0-9.0		X	X																		X						
			GP41-W-11.5	Groundwater	11/15/2016	10.0-15.0			X																		X						

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AOC 1	Former 500-gallon waste oil AST, former 10,000-gallon oil AST, waste oil spill, puddles with sheen	GP42	GP42-S-1.5	Soil	11/15/2016	1.0-2.2		X	X																		X						
			GP42-S-6.0	Soil	11/15/2016	5.8-6.8		X	X																		X						
			GP42-S-12.5	Soil	11/15/2016	12.0-13.0		X	X																		X						
			GP42-W-10.0	Groundwater	11/15/2016	9.5-14.5		X	X																		X						
		GP43 (BNSF Boring)	GP43-S-1.5	Soil	11/15/2016	1.25-1.75	X		X																		X						
			GP43-S-7.0	Soil	11/15/2016	6.5-7.1	X	X	X																		X						
			GP43-S-13.5	Soil	11/15/2016	13.0-14.0	X																				X						
			GP43-W-9.0	Groundwater	11/15/2016	10.0-15.0			X																								
		GP44 (BNSF Boring)	GP44-S-3.5	Soil	11/15/2016	3.2-3.8	X	X	X																		X						
			GP44-S-6.0	Soil	11/15/2016	6.0-6.5	X	X	X																		X						
			GP44-S-10.5	Soil	11/15/2016	10.2-10.6	X	X	X																		X						
			GP44-W-9.0	Groundwater	11/15/2016	10.0-15.0			X																								
		GP45 (BNSF Boring)	GP45-W-13.0	Groundwater	11/16/2016	10.0-15.0			X																								
		GP46 (BNSF Boring)	GP46-W-10.0	Groundwater	11/16/2016	10.0-15.0			X																								
		GP47 (BNSF Boring)	GP47-W-8.0	Groundwater	11/16/2016	10.0-15.0			X																								
		GP48	GP48-W-10.0	Groundwater	11/16/2016	10.0-15.0			X																								
		GP49 (BNSF Boring)	GP49-W-9.0	Groundwater	11/16/2016	8.5-13.5			X																								
		MW01	MW1-S-3.1	Soil	05/07/2012	1.2-5.0		X	X	X	X		X										X			X	X		X				
			MW1-W-8.5	Groundwater	05/15/2012	3.5-13.5		X	X					X									X			X	X						
			Field Duplicate	Groundwater	05/15/2012	3.5-13.5		X	X					X									X			X	X						
			MW01-GW-121009	Groundwater	10/09/2012	3.5-13.5			X																		X						
			MW01	Groundwater	04/10/2014	3.5-13.5		X	X	X													X										
			MWDUP	Groundwater	04/10/2014	3.5-13.5		X	X														X										
			MW01-GW-140618	Groundwater	06/18/2014	3.5-13.5			X																								
			FD-GW-140618	Groundwater	06/18/2014	3.5-13.5			X																								
			MW01-GW-091014	Groundwater	09/10/2014	3.5-13.5			X																								
			FD-091014	Groundwater	09/10/2014	3.5-13.5			X																								
			MW01-GW-121014	Groundwater	12/10/2014	3.5-13.5			X																								
			FD-121014	Groundwater	12/10/2014	3.5-13.5			X																								
			MW01-GW-112816	Groundwater	11/28/2016	3.5-13.5			X																							X	
			MWDUP-GW-112816	Groundwater	11/28/2016	3.5-13.5			X																								

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AOC 1	Former 500-gallon waste oil AST, former 10,000-gallon oil AST, waste oil spill, puddles with sheen	B-1 (Whatcom & BNSF Boring)	B-1	Soil	11/15/2011	5		X	X			X			X				X	X						X		X				
			B-1	Groundwater	11/15/2011	NA		X	X			X																					
		B-2 (Whatcom Boring)	B-2	Soil	11/15/2011	14		X	X			X			X				X	X						X		X				
			B-2	Groundwater	11/15/2011	NA		X	X			X																					
		SV1	SV01-121204	Soil Vapor	12/04/2012	NA																	X		X								
		Washroom	Ambient-Indoor-24HR-121204	Indoor Air	12/04/2012	NA	*Not analyzed*																										
AOC 2	Former gasoline and heating oil underground storage tanks and former 500-gallon waste oil AST	GP16	GP16-W-17.5	Groundwater	12/02/2012	15.0-20.0		X	X																							
		GP33	GP33-S-6.0	Soil	11/14/2016	5.8-6.2			X																		X					
			GP33-S-7.0	Soil	11/14/2016	6.8-7.2			X																		X					
			GP33-S-8.0	Soil	11/14/2016	7.8-8.2			X																		X					
		GP34	GP34-S-2.5	Soil	11/14/2016	2.3-2.7			X																		X					
			GP34-S-6.4	Soil	11/14/2016	6.2-6.6			X																		X					
			GP34-S-7.5	Soil	11/14/2016	7.3-7.7			X																		X					
			GP34-W-9.0	Groundwater	11/14/2016	8.0-13.0			X																		X					
		GP35	GP35-S-5.5	Soil	11/14/2016	5.3-5.7			X																		X					
			GP35-S-6.5	Soil	11/14/2016	6.3-6.7			X																		X					
			GP35-S-12.0	Soil	11/14/2016	11.8-12.2			X																		X					
		GP52	GP52-W-8.0	Groundwater	11/17/2016	8.0-13.0			X																		X					
		GP53	GP53-S-1.0	Soil	11/17/2016	0.0-1.6		X	X			X			X					X						X						
			GP53-S-3.0	Soil	11/17/2016	2.3-3.3	*Not analyzed*																										
			GP53-W-12.0	Groundwater	11/17/2016	9.5-14.5			X																		X					
		GP54	GP54-W-10.0	Groundwater	11/17/2016	9.5-14.5		X	X			X									X			X			X		X	X		
		MW02 (Decommissioned September 2016)	MW2-W-9	Groundwater	05/16/2012	4.0-14.0		X	X					X									X			X	X					
			MW02-GW-121009	Groundwater	10/09/2012	4.0-14.0			X																								
			MW02	Groundwater	04/10/2014	4.0-14.0			X	X																							
			MW02-GW-140618	Groundwater	06/18/2014	4.0-14.0			X																								
			MW02-GW-091014	Groundwater	09/10/2014	4.0-14.0			X																								
			MW02-GW-121014	Groundwater	12/10/2014	4.0-14.0			X																								
		B-4 (Whatcom Boring)	B-4	Soil	11/15/2011	6		X	X			X			X				X	X												
			B-4	Groundwater	11/15/2011	NA		X	X			X																					
		B-5 (Whatcom Boring)	B-5	Soil	11/15/2011	8		X	X			X			X				X	X												
			B-5	Groundwater	11/15/2011	NA		X	X			X																					

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Areas of Concern	Features of Environmental Concern	Location ID	Sample ID	Sample Matrix	Sample Date	Sample Interval (ft bgs)	HCID	GRO	DRO and ORO	EPH	VPH	BTEX	Metals (total)	Metals (dissolved)[a]	As, Cd, Cr (total)	As and Cd (total)	Cd, Cr, Ni, Pb, Zn (total)	Cd, Cr, Ni, Zn (dissolved)	Hg (total)	Pb (total)	Pb (dissolved)	Fe (dissolved)[b]	VOCs	Low-level VOCs (including EDC and MTBE)	He	SVOCs	PAHs	Naphthalenes	PCBs	EDB	n-Hexane	Conventionals	TOC
AOC 3	Former coal sheds and possible buried object	GP05	GP5-S-2	Soil	05/08/2012	1.5-2.6	X		X				X													X	X		X				
			GP5-S-5.6	Soil	05/08/2012	5.0-6.3	X						X														X						
			GP5-W-10	Groundwater	05/08/2012	8.0-12.0	X							X													X						
		GP09	GP9-S-2	Soil	05/08/2012	1.1-3.0	X						X														X						
			GP9-S-5.6	Soil	05/08/2012	5.0-6.2	X						X														X						
			GP9-W-10	Groundwater	05/08/2012	8.0-12.0	X							X													X						
		GP18	GP18-S-1.9	Soil	12/03/2012	1.4-2.4	*Not analyzed*																										
		GP19	GP19-S-0.7	Soil	12/03/2012	0.3-3.1										X				X							X						
		GP20	GP20-S-1.5	Soil	12/03/2012	1.2-1.8	*Not analyzed*																										
		GP21	GP21-S-1.4	Soil	12/03/2012	0.6-2.1	*Not analyzed*																										
		GP22	GP22-S-1.8	Soil	12/03/2012	1.3-2.3										X				X							X						
		GP23	GP23-S-0.9	Soil	12/03/2012	0.4-1.4										X				X							X						
		GP24	GP24-S-0.8	Soil	12/03/2012	0.3-1.2										X				X							X						
		GP25	GP25-S-1.1	Soil	12/03/2012	0.6-1.6										X				X							X						
		GP26	GP26-S-1.7	Soil	12/04/2012	1.1-2.4										X				X							X						
		GP27	GP27-S-1.5	Soil	12/04/2012	1.0-1.9	*Not analyzed*																										
		GP28	GP28-S-1.5	Soil	12/04/2012	0.5-2.5	*Not analyzed*																										
		GP29	GP29-S-1.0	Soil	12/04/2012	0.5-1.5										X				X							X						
		GP30	GP30-S-0.9	Soil	12/04/2012	0.5-2.1										X				X							X						
		GP31	GP31-S-0.9	Soil	12/04/2012	0.4-1.3										X				X							X						
		GP32	GP32-S-1.2	Soil	12/04/2012	0.8-1.5										X				X							X						
		GP42	GP42-S-1.5	Soil	11/15/2016	1.0-2.2		X	X																		X						
			GP42-S-6.0	Soil	11/15/2016	5.8-6.8		X	X																		X						
			GP42-S-12.5	Soil	11/15/2016	12.0-13.0		X	X																		X						
			GP42-W-10.0	Groundwater	11/15/2016	9.5-14.5		X	X																		X						
		GP50	GP50-S-1.5	Soil	11/16/2016	1.0-1.75		X	X							X				X							X						
			GP50-S-6.5	Soil	11/16/2016	6.3-7.3		X	X							X				X							X						
			GP50-S-13.5	Soil	11/16/2016	13.0-14.0		X	X							X				X							X						
			GP50-W-11.0	Groundwater	11/16/2016	10.0-15.0			X																								
		GP51	GP51-S-1.5	Soil	11/16/2016	1.2-1.7	X		X																								
			GP51-S-3.0	Soil	11/16/2016	2.7-3.0	X	X	X			X								X													
			GP51-S-7.5	Soil	11/16/2016	7.1-7.8	X	X	X			X								X													
			GP51-S-14.5	Soil	11/16/2016	14.3-14.8	X																										
			GP51-W-11.0	Groundwater	11/16/2016	7.0-12.0	X	X				X																					
		GP53	GP53-S-1.0	Soil	11/17/2016	0.0-1.6		X	X			X				X				X							X						
			GP53-S-3.0	Soil	11/17/2016	2.3-3.3																											
			GP53-W-12.0	Groundwater	11/17/2016	9.5-14.5			X																			X					

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Areas of Concern	Features of Environmental Concern	Location ID	Sample ID	Sample Matrix	Sample Date	Sample Interval (ft bgs)	HCID	GRO	DRO and ORO	EPH	VPH	BTEX	Metals (total)	Metals (dissolved)[a]	As, Cd, Cr (total)	As and Cd (total)	Cd, Cr, Ni, Pb, Zn (total)	Cd, Cr, Ni, Zn (dissolved)	Hg (total)	Pb (total)	Pb (dissolved)	Fe (dissolved)[b]	VOCs	Low-level VOCs (including EDC and MTBE)	He	SVOCs	PAHs	Naphthalenes	PCBs	EDB	n-Hexane	Conventionals	TOC
AOC 3	Former coal sheds and possible buried object	GP55	GP55-S-1.5	Soil	11/17/2016	1.0-2.0		X	X			X																					
			GP55-S-3.0	Soil	11/17/2016	2.5-3.5		X	X			X																					
		GP56	GP56-S-1.5	Soil	11/17/2016	1.0-1.8	X																										
		GP57	GP57-S-1.0	Soil	11/17/2016	0.5-1.3									X					X							X						
			GP57-S-2.0	Soil	11/17/2016	1.8-2.5	*Not analyzed*																										
		GP58	GP58-S-1.5	Soil	11/17/2016	0.7-1.7									X					X							X						
			GP58-S-2.5	Soil	11/17/2016	2.0-3.0																					X						
		GP59	GP59-S-2.0	Soil	11/17/2016	1.5-2.5									X					X							X						
			GP59-S-3.0	Soil	11/17/2016	2.8-3.3									X					X													
		GP60	GP60-S-2.3	Soil	11/17/2016	1.8-2.6									X					X							X						
			GP60-S-3.0	Soil	11/17/2016	2.8-3.4	*Not analyzed*																										
		GP61	GP61-S-1.5	Soil	11/17/2016	1.3-1.7									X					X							X						
			GP61-S-2.2	Soil	11/17/2016	2.0-2.4	*Not analyzed*																										
		GP62	GP62-S-1.0	Soil	11/17/2016	0.5-1.0									X					X							X						
			GP62-S-2.0	Soil	11/17/2016	1.7-2.2	*Not analyzed*																										
		GP63	GP63-S-1.0	Soil	11/17/2016	0.8-1.3									X					X							X						
			GP63-S-2.0	Soil	11/17/2016	1.8-2.2	*Not analyzed*																										
		GP64	GP64-S-1.2	Soil	11/18/2016	0.9-1.6									X					X							X						
			GP64-S-2.0	Soil	11/18/2016	1.8-2.2	*Not analyzed*																										
		GP65	GP65-S-1.0	Soil	11/18/2016	0.4-1.3									X					X							X						
			GP65-S-2.0	Soil	11/18/2016	1.5-2.2	*Not analyzed*																										
		GP66	GP66-S-2.0	Soil	11/18/2016	1.7-2.1									X					X							X						
			GP66-S-2.5	Soil	11/18/2016	2.2-2.7	*Not analyzed*																										
		GP67	GP67-S-2.0	Soil	11/18/2016	1.5-2.3									X					X							X						
			GP67-S-3.5	Soil	11/18/2016	2.7-3.5	*Not analyzed*																										
		GP68	GP68-S-1.8	Soil	11/18/2016	1.4-2.0									X					X							X						
			GP68-S-3.0	Soil	11/18/2016	2.5-3.2	*Not analyzed*																										
		GP69	GP69-S-1.0	Soil	11/18/2016	0.5-1.2									X					X							X						
			GP69-S-2.0	Soil	11/18/2016	1.5-2.2																					X						
		GP70	GP70-S-1.0	Soil	11/18/2016	0.7-1.1									X					X							X						
			GP70-S-1.5	Soil	11/18/2016	1.2-1.7																					X						
		GP71	GP71-S-0.3	Soil	11/18/2016	0.2-0.4	*Not analyzed*																										
			GP71-S-1.0	Soil	11/18/2016	0.8-1.2	*Not analyzed*																										
		GP72	GP72-S-1.0	Soil	11/18/2016	0.4-1.2									X					X							X						
			GP72-S-2.0	Soil	11/18/2016	1.6-2.1	*Not analyzed*																										
		GP73	GP73-S-0.5	Soil	11/18/2016	0.3-0.8	*Not analyzed*																										
			GP73-S-1.5	Soil	11/18/2016	1.3-1.7	*Not analyzed*																										
		B-8 (Whatcom Boring)	B-8	Soil	11/15/2011	2																					X						

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Areas of Concern	Features of Environmental Concern	Location ID	Sample ID	Sample Matrix	Sample Date	Sample Interval (ft bgs)	HCID	GRO	DRO and ORO	EPH	VPH	BTEX	Metals (total)	Metals (dissolved)[a]	As, Cd, Cr (total)	As and Cd (total)	Cd, Cr, Ni, Pb, Zn (total)	Cd, Cr, Ni, Zn (dissolved)	Hg (total)	Pb (total)	Pb (dissolved)	Fe (dissolved)[b]	VOCs	Low-level VOCs (including EDC and MTBE)	He	SVOCs	PAHs	Naphthalenes	PCBs	EDB	n-Hexane	Conventionals	TOC
AOC 3	Former coal sheds and possible buried object	B-9 (Whatcom Boring)	B-9	Soil	11/15/2011	2																					X						
AOC 4	Former Tire Vulcanizing, Battery Servicing, and Gas and Oils	GP06	GP6-S-2.9	Soil	05/08/2012	2.3-3.6		X			X									X			X										
			GP6-W-9	Groundwater	05/08/2012	7.0-11.0		X													X		X										
		GP07	GP7-S-2.9	Soil	05/08/2012	2.2-3.7		X			X									X			X										
			GP7-W-8	Groundwater	05/08/2012	6.0-10.0		X													X		X										
		GP08	GP8-S-2.8	Soil	05/08/2012	2.1-3.5		X			X									X			X										
			GP8-W-8	Groundwater	05/08/2012	6.0-10.0		X													X		X										
		GP14	GP14-W-7.5	Groundwater	12/03/2012	5.0-10.0			X																								
		GP15	GP15-W-7.5	Groundwater	12/03/2012	5.0-10.0			X																								
		MW03	MW3-S-1.9	Soil	05/07/2012	1.5-2.3		X			X									X			X										
			MW3-W-9	Groundwater	05/15/2012	4.0-14.0		X													X		X										
			MW03-GW-121009	Groundwater	10/09/2012	4.0-14.0		X	X															X				X						
			FD-GW-121009	Groundwater	10/09/2012	4.0-14.0		X	X															X				X						
			MW03	Groundwater	04/10/2014	4.0-14.0			X	X																			X					
			MW03-GW-140618	Groundwater	06/18/2014	4.0-14.0			X																								
			MW03-GW-091014	Groundwater	09/10/2014	4.0-14.0			X																								
			MW03-GW-121014	Groundwater	12/10/2014	4.0-14.0			X																								
		B-6 (Whatcom Boring)	B-6	Soil	11/15/2011	6		X	X			X																					
		B-7 (Whatcom Boring)	B-7	Soil	11/15/2011	11		X	X			X			X				X	X													
			B-7	Groundwater	11/15/2011	NA		X	X			X																					
Other	Underground hydraulic lifts	GP02	GP2-S-1.1	Soil	05/06/2012	0.0-2.2	X						X																				
			GP2-W-10	Groundwater	05/06/2012	5.0-15.0		X	X					X									X				X						
		GP03	GP3-S-2	Soil	05/06/2012	1.3-2.7	X						X																				
		B-3 (Whatcom Boring)	B-3	Soil	11/15/2011	5		X	X			X																					
	Former Automobile Shop and Oil House	GP04	GP4-W-10	Groundwater	05/07/2012	8.0-12.0		X	X					X									X				X						
		GP17	GP17-S-9.5	Soil	12/03/2012	8.0-11.0			X																								
			GP17-W-12.5	Groundwater	12/03/2012	10.0-15.0		X	X																								

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NOTES:
AOC = area of concern.
As (total) = total arsenic; analyzed by USEPA Method 200.8 or 6010C.
AST = aboveground storage tank.
BNSF = Burlington Northern Santa Fe railroad.
BTEX = benzene, toluene, ethylbenzene, and xylenes.
Cd (dissolved) = dissolved cadmium; analyzed by USEPA Method 200.8 or 6010C.
Cd (total) = total cadmium; analyzed by USEPA Method 200.8 or 6010C.

Conventionals = methane, analyzed by RSK 175; sulfate, analyzed by ASTM D516-07; calcium, magnesium, manganese, analyzed by USEPA Method 6010C; chloride, analyzed by SM 4500-Cl E; nitrate, analyzed by USEPA Method 353.2; nitrite, analyzed by USEPA Method 353.2; total phosphorus, analyzed by USEPA Method 365.1; total orthophosphate, analyzed by USEPA Method 365.1; total organic carbon, analyzed by SM 5310B; and ferrous iron, analyzed in the field using visual test kit.

Cr (dissolved) = total chromium; analyzed by USEPA Method 200.8 or 6010C.
Cr (total) = total chromium; analyzed by USEPA Method 200.8 or 6010C.
DRO and ORO = diesel- and oil-range organics; analyzed by Northwest Total Petroleum Hydrocarbons Method.
EDB = 1,2-dibromoethane; analyzed by USEPA Method 8011.
EDC = 1,2-dichloroethane; analyzed by USEPA Method 8260C.
EPH = extractable petroleum hydrocarbons; analyzed by Northwest Total Petroleum Hydrocarbons Method.
Fe (dissolved) = dissolved iron; analyzed by USEPA Method 6010C.
ft bgs = feet below ground surface.
GRO = gasoline-range hydrocarbons; analyzed by Northwest Total Petroleum Hydrocarbons Method.
HCID = hydrocarbon identification by Northwest Total Petroleum Hydrocarbons Method.
He = helium; analyzed by modified ASTM D-1946.
Hg (total) = mercury; analyzed by USEPA Method SW7471A.
Metals (dissolved) = dissolved metals (arsenic, barium, cadmium, chromium, lead, selenium, and silver); analyzed by USEPA Method 200.8 or 6010C; mercury by USEPA Method SW7471A.
Metals (total) = total metals (arsenic, barium, cadmium, chromium, lead, selenium, and silver); analyzed by USEPA Method 200.8 or 6010C; mercury by USEPA Method SW7471A.
MTBE = methyl-tert-butylether; analyzed by USEPA Method 8260C.
NA = not applicable.
Ni (dissolved) = total nickel; analyzed by USEPA Method 200.8 or 6010C.
Ni (total) = total nickel; analyzed by USEPA Method 200.8 or 6010C.
PAH = polycyclic aromatic hydrocarbon; analyzed by USEPA Method SW8270D selective ion monitoring.
Pb (dissolved) = dissolved lead; analyzed by USEPA Method 200.8.
Pb (total) = total lead; analyzed by USEPA Method 200.8 or 6010C.
PCB = polychlorinated biphenyl; analyzed by USEPA Method SW8082.
SVOC = semivolatile organic compound; analyzed by USEPA Method SW8270D.
TOC = total organic carbon; analyzed by USEPA SW9060M.
USEPA = U.S. Environmental Protection Agency.
VOC = volatile organic compound—full list; analyzed by USEPA Method SW8260C (soil and groundwater samples) and selected list by USEPA Method TO-15 low-level (vapor sample).
VPH = volatile petroleum hydrocarbons; analyzed by Northwest Total Petroleum Hydrocarbons Method.
Zn (dissolved) = total zinc; analyzed by USEPA Method 200.8 or 6010C.
Zn (total) = total zinc; analyzed by USEPA Method 200.8 or 6010C.
[a]Samples were field-filtered using in-line 0.45-micron filters and were preserved with nitric acid.
[b]Samples were filtered and preserved at the laboratory. Because of the delay between sample collection and filtering/preservation, sample results are considered estimates.

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
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				Location	GP01	GP10	GP11	GP11	GP12	GP13	GP36	GP36	GP36
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP-11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP-13-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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Metals (mg/kg)													
Arsenic	2.92	20	7	MTCA A	**2.5**	--	--	--	--	--	--	--	--
Barium	1650	16000	NA	MTCA B NCAR	**36.9**	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	**0.4**	--	--	--	--	--	--	--	--
Chromium	480000	2000	42	MTCA A	**13.6**	--	--	--	--	--	--	--	--
Lead	3000	250	17	MTCA A	**28.8**	--	--	--	--	--	--	--	--
Mercury	2.09	2	0.07	MTCA A	0.03 U	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	0.6 U	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	0.2 U	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)													
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1221	NV	NV	NA	NV	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1232	NV	NV	NA	NV	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1242	NV	NV	NA	NV	0.062 U	0.032 U	0.033 U	--	--	0.033 U	--	--	--
Aroclor 1248	NV	NV	NA	NV	**0.46**	0.032 U	**0.07**	--	--	0.033 U	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	**0.31**	0.032 U	**0.088**	--	--	0.033 U	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	**0.5**	0.032 U	**0.12**	--	--	0.033 U	--	--	--
VOCs (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	0.16 U	0.003 U	0.13 U	--	--	0.0028 U	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	**0.27**	**0.0015**	**0.39**	--	--	0.0014 U	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	**0.091**	0.0015 U	**0.096**	--	--	0.0014 U	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP01	GP10	GP11	GP11	GP12	GP13	GP36	GP36	GP36
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP-11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP-13-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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
1,2-Dichloropropane	0.0253	27.8	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	**0.1**	0.0015 U	**0.12**	--	--	0.0014 U	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	**0.14**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	**1.8**	0.0015 U	**0.28**	--	--	0.0014 U	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	0.41 U	**0.01**	0.32 U	--	--	0.007 U	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
2-Hexanone	NV	NV	NA	NV	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	**0.41**	0.0015 U	**0.049** J	--	--	0.0014 U	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	**0.35** J	**0.16**	**0.53** J	--	--	**0.04** J	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	4.1 U	0.075 U	3.2 U	--	--	0.07 U	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromobenzene	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromoethane	NV	NV	NA	NV	0.16 U	0.003 U	0.13 U	--	--	0.0028 U	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	**0.034** J	0.0015 U	**0.087**	--	--	0.0014 U	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	**2.9**	0.0015 U	**0.23**	--	--	0.0014 U	--	--	--
Chlorobromomethane	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chloroethane	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Chloromethane	NV	NV	NA	NV	0.082 U	0.0015 U	**0.11**	--	--	0.0014 U	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR							--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	0.082 U	0.0015 U	**0.057** J	--	--	0.0014 U	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP01	GP10	GP11	GP11	GP12	GP13	GP36	GP36	GP36
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP-11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP-13-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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Freon 113	NV	2400000	NA	MTCA B NCAR	0.16 U	0.003 U	0.13 U	--	--	0.0028 U	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	**0.1**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
m,p-Xylene	NV	NV	NA	NV	0.082 U	0.0015 U	**0.21**	--	--	0.0014 U	--	--	--
Methyl iodide	NV	NV	NA	NV	**0.042** J	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	**0.2**	**0.0043**	0.13 U	--	--	**0.0043**	--	--	--
Naphthalene	4.45	5	NA	MTCA A	**0.14** J	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	**0.51**	0.0015 U	**0.042** J	--	--	0.0014 U	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR							--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	**0.35**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	0.082 U	0.0015 U	**0.073**	--	--	0.0014 U	--	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	**0.39**	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Toluene	4.52	7	NA	MTCA A	0.082 U	0.0015 U	**0.16**	--	--	0.0014 U	--	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	0.41 U	0.0075 U	0.32 U	--	--	0.007 U	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	0.082 U	0.0015 U	0.065 U	--	--	0.0014 U	--	--	--
SVOCs by 8270 (mg/kg)													
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	**0.58** J	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	**0.7** J	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	**12**	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**8.6**	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	4.6 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	4.6 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	4.6 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	9.3 U	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP01	GP10	GP11	GP11	GP12	GP13	GP36	GP36	GP36
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP-11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP-13-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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	4.6 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	4.6 U	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	**10**	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	4.6 U	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	4.6 U	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	4.6 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	9.3 U	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	4.6 U	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	4.6 U	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	4.6 U	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	4.6 U	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	0.93 U	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	9.3 U	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	4.6 U	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP01	GP10	GP11	GP11	GP12	GP13	GP36	GP36	GP36
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP-11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP-13-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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	**1.2**	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	4.6 U	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	**1.2**	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	0.93 U	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	4.6 U	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	**1.9**	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	0.93 U	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	0.93 U	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**7.3**	**0.035**	**0.23**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	**11**	**0.04**	**0.39**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Acenaphthene	97.9	4800	NA	MTCA B NCAR	**0.51**	**0.005**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Acenaphthylene	NV	1	NA	MTCA B NCAR	0.25 U	**0.028**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Anthracene	NV	24000	NA	MTCA B NCAR	**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	NA	MTCA B CAR	**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	NA	MTCA A	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	NA	MTCA B CAR	--	--	--	--	--	--	0.0086 U	0.0096 U	0.0092 U
Benzo(ghi)perylene	NV	NV	NA	NV	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	NA	MTCA B CAR	--	--	--	--	--	--	0.0086 U	0.0096 U	0.0092 U
Chrysene	95.5	137	NA	MTCA B CAR	**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	NA	MTCA B CAR	0.25 U	**0.03**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Dibenzofuran	NV	80	NA	MTCA B NCAR	**0.62**	**0.02**	**0.014** J	--	--	0.0046 U	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP01	GP10	GP11	GP11	GP12	GP13	GP36	GP36	GP36
				Sample Name	GP1-S-2.5	GP10-S-2.0	GP-11-S-1.25	GP11-S-7.5	GP12-S-12.0	GP-13-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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Fluoranthene	631.00	3200	NA	MTCA B NCAR	**0.53**	**0.26**	**0.086**	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Fluorene	101	3200	NA	MTCA B NCAR	**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	NA	MTCA B CAR	0.25 U	**0.11**	**0.023** J	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Naphthalene	4.45	5	NA	MTCA A	**1.2**	**0.082**	**0.51**	--	--	**0.0026** J	0.0086 U	0.0096 U	0.0092 U
Phenanthrene	NV	NV	NA	NV	**1.9**	**0.19**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Pyrene	655	2400	NA	MTCA B NCAR	**0.59**	**0.3**	0.024 U	--	--	0.0046 U	0.0086 U	0.0096 U	0.0092 U
Total Benzofluoranthenes	NV	NV	NA	NV	0.25 U	**0.27**	**0.2** J	--	--	0.0046 U	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
TPH (mg/kg)													
Gasoline-Range TPH	NV	30	NA	MTCA A	**1400**	9.3 U	**590**	--	--	8.9 U	7.2 UJ	9.4 UJ	8.6 UJ
Diesel-Range TPH	NV	2000	NA	MTCA A	**4000**	**58**	**1700**	--	--	6.5 U	32 U	36 U	35 U
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	**10000**	**160**	**6500**	--	--	13 U	64 U	72 U	**79**
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	ND	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	**0.19**	**0.20**	**0.052**	--	--	ND	ND	ND	ND
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	**20**	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	**20**	**0.16**	**1.1**	--	--	**0.0072** J	ND	ND	ND
Total PCBs	NV	1	NA	MTCA A	**1.4**	ND	**0.34**	--	--	ND	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	ND	ND	**0.283**	--	--	ND	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37	GP37	GP38	GP38	GP38	GP39	GP39	GP39
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Metals (mg/kg)													
Arsenic	2.92	20	7	MTCA A	--	--	--	--	--	--	--	--	--
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	0.6 U	0.72 U	0.74 U	0.66 U	--	--	--	--	--
Chromium	480000	2000	42	MTCA A	**10**	**29**	**39**	**13**	--	--	--	--	--
Lead	3000	250	17	MTCA A	6 U	7.2 U	7.4 U	6.6 U	--	--	--	--	--
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	**9.3**	**30**	**39**	**11**	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	**35**	**44**	**58**	**32**	--	--	--	--	--
PCBs (mg/kg)													
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--
Aroclor 1221	NV	NV	NA	NV	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--
Aroclor 1232	NV	NV	NA	NV	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--
Aroclor 1242	NV	NV	NA	NV	**0.098**	0.072 U	0.074 U	0.066 U	--	--	--	--	--
Aroclor 1248	NV	NV	NA	NV	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	0.06 U	0.072 U	0.074 U	0.066 U	--	--	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	**0.17**	0.072 U	0.074 U	0.066 U	--	--	--	--	--
VOCs (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	0.07 U	0.002 U	**0.022**	0.0015 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37	GP37	GP38	GP38	GP38	GP39	GP39	GP39
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
1,2-Dichloropropane	0.0253	27.8	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	0.35 U	**0.06**	**0.071**	0.0074 U	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
2-Hexanone	NV	NV	NA	NV	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	**1**	0.002 U	**0.015**	0.0015 U	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	0.35 U	**0.26**	**0.27**	0.0074 U	--	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	0.07 U	**0.0075**	**0.0073**	0.0015 U	--	--	--	--	--
Bromobenzene	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	0.07 U	**0.016**	**0.003**	0.0015 U	--	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Chloroethane	NV	NV	NA	NV	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Chloromethane	NV	NV	NA	NV	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37	GP37	GP38	GP38	GP38	GP39	GP39	GP39
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	**0.36**	0.002 U	**0.0062**	0.0015 U	--	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	0.14 U	0.004 U	0.0041 U	0.003 U	--	--	--	--	--
Methyl iodide	NV	NV	NA	NV	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	0.7 U	0.02 U	0.02 U	0.0074 U	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	**0.55**	0.002 U	**0.0043**	0.0015 U	--	--	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	**1.6**	0.002 U	**0.019**	0.0015 U	--	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR	0.067 U	0.097 U	0.1 U	0.091 U	--	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	**1.3**	0.002 U	**0.02**	0.0015 U	--	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	**1.4**	**0.0043**	**0.019**	0.0015 U	--	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	**0.1**	0.002 U	**0.0024**	0.0015 U	--	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Toluene	4.52	7	NA	MTCA A	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	0.35 U	0.01 U	0.01 U	0.0074 U	--	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	0.07 U	0.002 U	0.002 U	0.0015 U	--	--	--	--	--
SVOCs by 8270 (mg/kg)													
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37	GP37	GP38	GP38	GP38	GP39	GP39	GP39
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37	GP37	GP38	GP38	GP38	GP39	GP39	GP39
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**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
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	**13**	**0.011**	**0.011**	0.0087 U	0.0089 U	0.0092 U	0.0091 U	0.0089 U	0.0097 U
Acenaphthene	97.9	4800	NA	MTCA B NCAR	**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
Acenaphthylene	NV	1	NA	MTCA B NCAR	**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
Anthracene	NV	24000	NA	MTCA B NCAR	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
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	**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
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	**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
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	**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
Benzo(ghi)perylene	NV	NV	NA	NV	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
Benzo(j+k)fluoranthene	NV	13.7	NA	MTCA B CAR	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
Chrysene	95.5	137	NA	MTCA B CAR	**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
Dibenzo(a,h)anthracene	0.429	0.137	NA	MTCA B CAR	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
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP37	GP37	GP37	GP38	GP38	GP38	GP39	GP39	GP39
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Fluoranthene	631.00	3200	NA	MTCA B NCAR	**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
Fluorene	101	3200	NA	MTCA B NCAR	**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
Indeno(1,2,3-cd)pyrene	8.32	1.37	NA	MTCA B CAR	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
Naphthalene	4.45	5	NA	MTCA A	**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
Phenanthrene	NV	NV	NA	NV	**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
Pyrene	655	2400	NA	MTCA B NCAR	**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
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range TPH	NV	NV	NA	NV	**DETECT**	ND	ND	ND	--	--	ND	ND	ND
Diesel-Range TPH	NV	NV	NA	NV	**DETECT**	ND	ND	ND	--	--	ND	ND	ND
Motor-Oil Range	NV	NV	NA	NV	**DETECT**	**DETECT**	ND	ND	--	--	ND	ND	ND
TPH (mg/kg)													
Gasoline-Range TPH	NV	30	NA	MTCA A	**3000 J**	--	--	--	8.2 UJ	9 UJ	--	--	--
Diesel-Range TPH	NV	2000	NA	MTCA A	**7700 J**	36 U	--	--	33 U	35 U	--	--	--
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	**8500**	**140**	--	--	67 U	69 U	--	--	--
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	**0.28**	ND	ND	ND	ND	ND	ND	ND	ND
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	**28**	**0.0206**	**0.0209**	ND	ND	ND	ND	ND	ND
Total PCBs	NV	1	NA	MTCA A	**0.42**	ND	ND	ND	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	ND	ND	ND	ND	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40	GP40	GP41	GP41	GP41	GP42	GP42
				Sample Name	GP40-S-3.5	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
				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
				Sample Depth Interval (ft bgs)	3.0-4.0	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Metals (mg/kg)												
Arsenic	2.92	20	7	MTCA A	--	--	--	--	--	--	--	--
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	--	--	--	--	--	--	--	--
Chromium	480000	2000	42	MTCA A	--	--	--	--	--	--	--	--
Lead	3000	250	17	MTCA A	--	--	--	--	--	--	--	--
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--
PCBs (mg/kg)												
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--
VOCs (mg/kg)												
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	0.0072 U	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40	GP40	GP41	GP41	GP41	GP42	GP42
				Sample Name	GP40-S-3.5	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
				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
				Sample Depth Interval (ft bgs)	3.0-4.0	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	0.0014 U	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	0.0014 U	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	0.0072 U	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	0.0072 U	--	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
2-Hexanone	NV	NV	NA	NV	--	--	--	0.0072 U	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	0.0072 U	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	0.0072 U	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--
Bromobenzene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
Chloroethane	NV	NV	NA	NV	--	--	--	0.0072 U	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Chloromethane	NV	NV	NA	NV	--	--	--	0.0072 U	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40	GP40	GP41	GP41	GP41	GP42	GP42
				Sample Name	GP40-S-3.5	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
				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
				Sample Depth Interval (ft bgs)	3.0-4.0	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	0.0072 U	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	--	--	--	0.0029 U	--	--	--	--
Methyl iodide	NV	NV	NA	NV	--	--	--	0.0072 U	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	0.0072 U	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR	--	--	--	0.09 U	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--
Toluene	4.52	7	NA	MTCA A	--	--	--	0.0072 U	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	0.0014 U	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	0.0014 U	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	0.0014 U	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	0.0072 U	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	0.0014 U	--	--	--	--
SVOCs by 8270 (mg/kg)												
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40	GP40	GP41	GP41	GP41	GP42	GP42
				Sample Name	GP40-S-3.5	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
				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
				Sample Depth Interval (ft bgs)	3.0-4.0	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40	GP40	GP41	GP41	GP41	GP42	GP42
				Sample Name	GP40-S-3.5	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
				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
				Sample Depth Interval (ft bgs)	3.0-4.0	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)												
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.52**	0.0091 U
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.65**	0.0091 U
Acenaphthene	97.9	4800	NA	MTCA B NCAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.11**	0.0091 U
Acenaphthylene	NV	1	NA	MTCA B NCAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.037**	0.0091 U
Anthracene	NV	24000	NA	MTCA B NCAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.25**	0.0091 U
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.33**	0.0091 U
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.25**	0.0091 U
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.33**	0.0091 U
Benzo(ghi)perylene	NV	NV	NA	NV	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.13**	0.0091 U
Benzo(j+k)fluoranthene	NV	13.7	NA	MTCA B CAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.095**	0.0091 U
Chrysene	95.5	137	NA	MTCA B CAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.26**	0.0091 U
Dibenzo(a,h)anthracene	0.429	0.137	NA	MTCA B CAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.023**	0.0091 U
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP40	GP40	GP40	GP41	GP41	GP41	GP42	GP42
				Sample Name	GP40-S-3.5	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
				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
				Sample Depth Interval (ft bgs)	3.0-4.0	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Fluoranthene	631.00	3200	NA	MTCA B NCAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.48**	0.0091 U
Fluorene	101	3200	NA	MTCA B NCAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.1**	0.0091 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	NA	MTCA B CAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.16**	0.0091 U
Naphthalene	4.45	5	NA	MTCA A	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.47**	0.0091 U
Phenanthrene	NV	NV	NA	NV	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.56**	0.0091 U
Pyrene	655	2400	NA	MTCA B NCAR	0.0092 U	0.0091 U	0.0099 U	0.0088 U	0.0092 U	0.0094 U	**0.52**	0.0091 U
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range TPH	NV	NV	NA	NV	--	--	--	ND	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	--	--	--	ND	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	--	--	--	ND	--	--	--	--
TPH (mg/kg)												
Gasoline-Range TPH	NV	30	NA	MTCA A	8.1 UJ	8.7 UJ	9.8 UJ	--	7.5 UJ	8.8 UJ	10 UJ	8.4 UJ
Diesel-Range TPH	NV	2000	NA	MTCA A	34 U	34 U	37 U	--	35 U	35 U	**210**	34 U
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	69 U	69 U	74 U	--	69 U	71 U	**500**	68 U
Calculated Totals (mg/kg)												
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	ND	ND	ND	ND	ND	ND	**0.35**	ND
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	ND	ND	ND	ND	ND	ND	**1.64**	ND
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	--	--	--	ND	--	--	--	--

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP42	GP43	GP43	GP43	GP44	GP44	GP44	MW01
				Sample Name	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012
				Sample Depth Interval (ft bgs)	12.0-13.0	1.25-1.75	6.5-7.1	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Metals (mg/kg)												
Arsenic	2.92	20	7	MTCA A	--	--	--	--	--	--	--	**4.3**
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	**71**
Cadmium	0.69	2	1	MTCA A	--	--	--	--	--	--	--	0.1 U
Chromium	480000	2000	42	MTCA A	--	--	--	--	--	--	--	**20.2**
Lead	3000	250	17	MTCA A	--	--	--	--	--	--	--	**7.9**
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	**0.03**
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.6 U
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.3 U
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--
PCBs (mg/kg)												
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.032 U
Aroclor 1221	NV	NV	NA	NV	--	--	--	--	--	--	--	0.032 U
Aroclor 1232	NV	NV	NA	NV	--	--	--	--	--	--	--	0.032 U
Aroclor 1242	NV	NV	NA	NV	--	--	--	--	--	--	--	0.032 U
Aroclor 1248	NV	NV	NA	NV	--	--	--	--	--	--	--	0.032 U
Aroclor 1254	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	0.032 U
Aroclor 1260	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	0.032 U
VOCs (mg/kg)												
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	--	--	--	--	0.0012 U
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.006 U
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0024 U
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	--	--	--	--	0.006 U
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	--	--	--	--	0.006 U
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	--	--	--	--	0.0012 U
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP42	GP43	GP43	GP43	GP44	GP44	GP44	MW01
				Sample Name	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012
				Sample Depth Interval (ft bgs)	12.0-13.0	1.25-1.75	6.5-7.1	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	--	--	--	--	0.0012 U
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	0.0012 U
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	--	--	--	--	**0.0043** J
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	0.006 U
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
2-Hexanone	NV	NV	NA	NV	--	--	--	--	--	--	--	0.006 U
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.006 U
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	--	--	--	--	**0.11**
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.06 U
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	0.006 U
Benzene	0.0274	0.03	NA	MTCA A	--	--	--	--	--	--	--	0.0012 U
Bromobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0024 U
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Chlorobromomethane	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
Chloroethane	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Chloromethane	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	--	--	--	--	--	--	--	0.0012 U

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP42	GP43	GP43	GP43	GP44	GP44	GP44	MW01
				Sample Name	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012
				Sample Depth Interval (ft bgs)	12.0-13.0	1.25-1.75	6.5-7.1	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0024 U
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	--	--	--	--	0.006 U
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
m,p-Xylene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
Methyl iodide	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	--	--	--	--	**0.005**
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	0.006 U
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
n-Hexane	68.9	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	--	--	--	--	0.0012 U
Toluene	4.52	7	NA	MTCA A	--	--	--	--	--	--	--	**0.0007** J
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0012 U
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.006 U
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	--	--	--	--	0.0012 U
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.0012 U
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.006 U
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	--	--	--	--	0.0012 U
SVOCs by 8270 (mg/kg)												
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	0.058 U
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.29 U
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	--	--	--	--	--	--	--	0.29 U
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.29 U
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.58 U

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP42	GP43	GP43	GP43	GP44	GP44	GP44	MW01
				Sample Name	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012
				Sample Depth Interval (ft bgs)	12.0-13.0	1.25-1.75	6.5-7.1	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.29 U
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.29 U
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	--	--	--	--	--	--	--	**0.029** J
2-Methylphenol	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
2-Nitroaniline	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.29 U
2-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	--	--	--	--	--	--	--	0.29 U
3-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	0.29 U
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	0.58 U
4-Bromophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
4-Chloro-3-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	0.29 U
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	--	--	--	--	--	--	--	0.29 U
4-Chlorophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
4-Methylphenol	NV	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
4-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	0.29 U
4-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	0.29 U
Acenaphthene	97.89	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	0.058 U
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
Benzoic acid	256.77	320000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.58 U
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.29 U
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Carbazole	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
Chrysene	95.5	140	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP42	GP43	GP43	GP43	GP44	GP44	GP44	MW01
				Sample Name	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012
				Sample Depth Interval (ft bgs)	12.0-13.0	1.25-1.75	6.5-7.1	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Dimethyl phthalate	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Di-n-octyl phthalate	266240.64	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
Fluoranthene	630.99	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.29 U
Hexachloroethane	0.0434	71	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Isophorone	0.23	1100	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	0.058 U
Nitrobenzene	0.102	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	--	--	--	--	--	--	--	0.058 U
N-Nitrosodipropylamine	0.000056	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	--	--	--	--	--	--	--	0.29 U
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
Phenol	10.98	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	0.058 U
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	0.058 U
SVOCs by 8270 SIM (mg/kg)												
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	0.0096 U	**0.092**	**3.1**	0.0088 U	**7.8**	**3.4**	**0.14**	**0.0067**
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	0.0096 U	**0.12**	**0.61**	0.0088 U	**12**	**5.3**	**0.22**	**0.0088**
Acenaphthene	97.9	4800	NA	MTCA B NCAR	0.023	**0.011**	**0.64**	0.0088 U	**0.63**	**0.34**	**0.016**	0.0047 U
Acenaphthylene	NV	1	NA	MTCA B NCAR	0.0096 U	**0.024**	**0.2**	0.0088 U	**0.35**	**0.18**	0.0089 U	0.0047 U
Anthracene	NV	24000	NA	MTCA B NCAR	0.0096 U	**0.058**	**0.32**	0.0088 U	**0.26**	**0.19**	0.0089 U	0.0047 U
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	0.0096 U	**0.11**	**0.21**	0.0088 U	**0.075**	0.0091 U	0.0089 U	0.0047 U
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	0.0096 U	**0.15**	0.086 U	0.0088 U	**0.19**	0.0091 U	0.0089 U	0.0047 U
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	0.0096 U	**0.19**	0.086 U	0.0088 U	**0.057**	0.0091 U	0.0089 U	--
Benzo(ghi)perylene	NV	NV	NA	NV	0.0096 U	**0.1**	0.086 U	0.0088 U	**0.12**	0.0091 U	0.0089 U	**0.0041** J
Benzo(j+k)fluoranthene	NV	13.7	NA	MTCA B CAR	0.0096 U	**0.052**	0.086 U	0.0088 U	**0.05**	0.0091 U	0.0089 U	--
Chrysene	95.5	137	NA	MTCA B CAR	0.0096 U	**0.12**	**0.62**	0.0088 U	**0.19**	**0.019**	0.0089 U	**0.0058**
Dibenzo(a,h)anthracene	0.429	0.137	NA	MTCA B CAR	0.0096 U	**0.02**	0.086 U	0.0088 U	0.17 U	0.0091 U	0.0089 U	0.0047 U
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	**0.0033** J

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP42	GP43	GP43	GP43	GP44	GP44	GP44	MW01
				Sample Name	GP42-S-12.5	GP43-S-1.5	GP43-S-7.0	GP43-S-13.5	GP44-S-3.5	GP44-S-6.0	GP44-S-10.5	MW1-S-3.1
				Sample Date	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	05/07/2012
				Sample Depth Interval (ft bgs)	12.0-13.0	1.25-1.75	6.5-7.1	13.0-14.0	3.2-3.8	6.0-6.5	10.2-10.6	1.2-5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source								
Fluoranthene	631.00	3200	NA	MTCA B NCAR	0.0096 U	**0.23**	**0.14**	0.0088 U	**0.29**	**0.051**	0.0089 U	**0.0048**
Fluorene	101	3200	NA	MTCA B NCAR	0.0096 U	**0.02**	**2.8**	0.0088 U	**1.5**	**0.82**	**0.035**	0.0047 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	NA	MTCA B CAR	0.0096 U	**0.097**	0.086 U	0.0088 U	**0.081**	0.0091 U	0.0089 U	0.0047 U
Naphthalene	4.45	5	NA	MTCA A	0.0096 U	**0.086**	**0.47**	0.0088 U	**0.93**	**0.27**	**0.023**	**0.0045** J
Phenanthrene	NV	NV	NA	NV	0.0096 U	**0.15**	**4.5**	0.0088 U	**1.3**	**0.9**	**0.042**	**0.0083**
Pyrene	655	2400	NA	MTCA B NCAR	**0.022**	**0.21**	**0.37**	0.0088 U	**0.56**	**0.061**	0.0089 U	**0.0049**
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	0.0047 U
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range TPH	NV	NV	NA	NV	--	ND	**DETECT**	ND	**DETECT**	**DETECT**	**DETECT**	--
Diesel-Range TPH	NV	NV	NA	NV	--	ND	**DETECT**	ND	**DETECT**	**DETECT**	**DETECT**	--
Motor-Oil Range	NV	NV	NA	NV	--	**DETECT**	**DETECT**	ND	**DETECT**	**DETECT**	ND	--
TPH (mg/kg)												
Gasoline-Range TPH	NV	30	NA	MTCA A	9.2 UJ	--	**700 J**	--	**1300 J**	40 U	**100 J**	8.9 U
Diesel-Range TPH	NV	2000	NA	MTCA A	36 U	**80**	**4200**	--	**8100**	**2600**	**300**	**58**
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	**210**	**450**	**5700**	--	**31000**	**1700**	**230**	**160**
Calculated Totals (mg/kg)												
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	ND
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	ND	**0.20**	**0.087**	ND	**0.227**	**0.007**	ND	**0.0033**
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	**0.087 J**
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	ND	**0.298**	**4.18**	ND	**20.73**	**8.97**	**0.383**	**0.020**
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	ND
Total Xylenes	14.4	9	NA	MTCA A	--	--	--	--	--	--	--	ND

Table 2a
Soil Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**. Only detected concentrations are compared to CULs.

Exceedances of both the soil CUL and the CUL protective of groundwater are shaded purple.

Exceedances of only the CUL protective of groundwater are shaded blue.

Exceedances of only the soil CUL are shaded green.

Soil CULs are based on MTCA A, Unrestricted Land Use CULs, or MTCA B CULs if no MTCA A value was available.

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."

Natural background soil metals concentrations for Washington State from Ecology's soil natural background guidance (Ecology, 1994) are also provided . If the natural background concentration was greater than the soil CUL and/or the CUL protective of groundwater, the natural background concentration was used as the CUL.

-- = not analyzed.

8270 = U.S. Environmental Protection Agency Method 8270.

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.

Degrees C = degrees Celsius.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

J = Result is an estimated value.

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

MTCA = Model Toxics Control Act.

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

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

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

NA = not available.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

SVOC = semivolatile organic compound.

TPH = total petroleum hydrocarbons.

U = Analyte not detected at or above method detection limit.

ug/kg = micrograms per kilogram (parts per billion).

VOC = volatile organic compound.

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP33	GP33	GP33	GP34	GP34	GP34	GP35	GP35	GP35	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Metals (mg/kg)														
Arsenic	2.92	20	7	MTCA A	--	--	--	--	--	--	--	--	--	12 U
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	--	--	--	--	--	--	--	--	--	0.6 U
Chromium	480000	2000	42	MTCA A	--	--	--	--	--	--	--	--	--	**22**
Lead	3000	250	17	MTCA A	--	--	--	--	--	--	--	--	--	**72**
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
VOCs (mg/kg)														
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP33	GP33	GP33	GP34	GP34	GP34	GP35	GP35	GP35	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--	0.02 UJ
Bromobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	--	--	--	--	--	--	--	--	--	0.072 UJ
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	0.072 UJ
Methyl iodide	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP33	GP33	GP33	GP34	GP34	GP34	GP35	GP35	GP35	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	0.072 UJ
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	NA	MTCA A	--	--	--	--	--	--	--	--	--	0.072 UJ
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	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	NA	MTCA B NCAR	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	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	**0.012**
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	**0.019**
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	**0.036**
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	**0.079**
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	**0.066**
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	**0.1**
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	**0.043**
Benzo(j+k)fluoranthene	NV	13.7	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	**0.021**
Chrysene	95.5	137	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	**0.099**
Dibenzo(a,h)anthracene	0.429	0.137	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	**0.011**
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	**0.13**
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	**0.022**
Indeno(1,2,3-cd)pyrene	8.32	1.37	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	**0.049**
Naphthalene	4.45	5	NA	MTCA A	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	NA	NV	--	--	--	--	--	--	--	--	--	**0.21**

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP33	GP33	GP33	GP34	GP34	GP34	GP35	GP35	GP35	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	**0.11**
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Gasoline-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
TPH (mg/kg)														
Gasoline-Range TPH	NV	30	NA	MTCA A	--	--	--	--	--	--	--	--	--	7.2 UJ
Diesel-Range TPH	NV	2000	NA	MTCA A	31 U	33 U	**8000**	32 U	34 U	**3100**	34 U	34 U	34 U	**140 J**
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	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	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	**0.093**
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	ND	ND	**5.55**	ND	ND	**2.18**	ND	ND	ND	**0.92**
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	--	--	--	--	--	--	--	--	--	ND

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	BASE02	BASE03	ESW01	ESW02	NSW02	SSW01	SSW02	SSW03	WSW02
				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
				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
				Sample Depth Interval (ft bgs)	10	15	6	7.5	7.5	3	6	7.5	7.5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Metals (mg/kg)													
Arsenic	2.92	20	7	MTCA A	--	--	--	--	--	--	--	--	--
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	--	--	--	--	--	--	--	--	--
Chromium	480000	2000	42	MTCA A	--	--	--	--	--	--	--	--	--
Lead	3000	250	17	MTCA A	6.6 U	7.9 U	6.6 U	6.7 U	7.1 U	**6.8**	**13**	5.6 U	6.8 U
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--
VOCs (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,1-Dichloropropene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0019 U	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	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	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	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	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,3-Dichloropropane	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
2,2-Dichloropropane	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	BASE02	BASE03	ESW01	ESW02	NSW02	SSW01	SSW02	SSW03	WSW02
				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
				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
				Sample Depth Interval (ft bgs)	10	15	6	7.5	7.5	3	6	7.5	7.5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
2-Hexanone	NV	NV	NA	NV	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
4-Chlorotoluene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
4-Isopropyltoluene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	**0.019 J**	--	**0.015 J**	--	--	**0.02 J**	0.0067 U	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	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	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Chlorobromomethane	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Chloroethane	NV	NV	NA	NV	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Chloromethane	NV	NV	NA	NV	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Ethylbenzene	6.05	6	NA	MTCA A	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**
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--		--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
m,p-Xylene	NV	NV	NA	NV	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	NA	NV	0.01 U	--	0.0095 U	--	--	0.012 U	0.0067 U	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	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	NA	MTCA A	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
Naphthalene	4.45	5	NA	MTCA A	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	BASE02	BASE03	ESW01	ESW02	NSW02	SSW01	SSW02	SSW03	WSW02
				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
				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
				Sample Depth Interval (ft bgs)	10	15	6	7.5	7.5	3	6	7.5	7.5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR	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	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	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	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Toluene	4.52	7	NA	MTCA A	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	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	0.0076 U	--	0.007 U	--	--	0.0087 U	0.0067 U	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	0.0015 U	--	0.0014 U	--	--	0.0017 U	0.0013 U	--	--
SVOCs by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	0.0088 U	**0.017**	0.0088 U	**0.075**	**18**	**0.027**	0.0074 U	0.0075 U	**10**
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	0.0088 U	**0.02**	0.0088 U	**0.016**	**27**	**0.0094**	0.0074 U	0.0075 U	**15**
Acenaphthene	97.9	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Benzo(j+k)fluoranthene	NV	13.7	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Chrysene	95.5	137	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.429	0.137	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Fluoranthene	631.00	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.37	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	0.0088 U	0.011 U	0.0088 U	**0.047**	**8.2**	**0.0084**	0.0074 U	0.0075 U	**2.4**
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	BASE02	BASE03	ESW01	ESW02	NSW02	SSW01	SSW02	SSW03	WSW02
				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
				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
				Sample Depth Interval (ft bgs)	10	15	6	7.5	7.5	3	6	7.5	7.5
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
TPH (mg/kg)													
Gasoline-Range TPH	NV	30	NA	MTCA A	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 TPH	NV	2000	NA	MTCA A	33 U	40 U	33 U	**270**	**14000**	28 U	**820**	28 U	**9600**
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	66 U	79 U	66 U	68 U	430 U	56 U	400 U	56 U	370 U
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	ND	**0.0395**	ND	**0.138**	**53.2**	**0.0448**	ND	ND	**27.4**
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	ND	ND	ND	ND	**0.9665**	ND	ND	ND	**0.3905**

Table 2b
Soil Analytical Results—AOC 2
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**. Only detected concentrations are compared to CULs.

Exceedances of both the soil CUL and the CUL protective of groundwater are shaded purple.

Exceedances of only the soil CUL are shaded green.

Soil CULs are based on MTCA A, Unrestricted Land Use CULs, or MTCA B CULs if no MTCA A value was available.

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."

Natural background soil metals concentrations for Washington State from Ecology's soil natural background guidance (Ecology, 1994) are also provided . If the natural background concentration was greater than the soil CUL and/or the CUL protective of groundwater, the natural background concentration was used as the CUL.

-- = not analyzed.

8270 = U.S. Environmental Protection Agency Method 8270.

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.

Degrees C = degrees Celsius.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

J = Result is an estimated value.

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

MTCA = Model Toxics Control Act.

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

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

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

NA = not available.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

SVOC = semivolatile organic compound.

TPH = total petroleum hydrocarbons.

U = Analyte not detected at or above method detection limit.

ug/kg = micrograms per kilogram (parts per billion).

VOC = volatile organic compound.

Table 2c
Soil Analytical Results—AOC 3
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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Metals (mg/kg)													
Arsenic	2.92	20	7	MTCA A	**26.4**	**1.9**	**3.5**	**8.6**	**2.1**	**6.9**	**2.2**	**9.2**	**7.9**
Barium	1650	16000	NA	MTCA B NCAR	**681**	**36.7**	**386**	**66.8**	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	**1.9**	0.1 U	**0.2**	0.1 U	0.3 U	**2.1**	**0.6**	**3.3**	**0.9**
Chromium	480000	2000	42	MTCA A	**33**	**10.3**	**13.2**	**33.2**	--	--	--	--	--
Lead	3000	250	17	MTCA A	**452**	**2**	**16.1**	**14.7**	**14**	**172**	**33**	**111**	**70**
Mercury	2.09	2	0.07	MTCA A	**0.39**	0.02 U	**0.03**	**0.05**	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	0.7 U	0.7 U	0.7 U	0.7 U	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	**0.3**	0.3 U	0.3 U	0.3 U	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)													
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NA	NV	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NA	NV	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NA	NV	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NA	NV	0.032 U	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	**0.045**	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	**0.035**	--	--	--	--	--	--	--	--
VOCs (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR									
Ethylbenzene	6.05	6	NA	MTCA A	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR									
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	NA	MTCA A	--	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
SVOCs by 8270 (mg/kg)													
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	0.3 U	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**1.4**	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	1.5 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	1.5 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	1.5 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	3 U	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	1.5 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	1.5 U	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	**1.4**	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	1.5 U	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	1.5 U	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	1.5 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	3 U	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	1.5 U	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	1.5 U	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	1.5 U	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	1.5 U	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	**0.54**	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	**1.2**	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	**7**	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	**8.2**	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	**6**	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	3 U	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	1.5 U	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	**0.85**	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	**7.3**	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	**2.3**	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	**0.4**	--	--	--	--	--	--	--	--

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VSF Properties, LLC, North Cascade Ford Property
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				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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	**16**	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	1.5 U	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	**5.3**	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	**1.5**	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	0.3 U	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	0.3 U	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	1.5 U	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	**5.5**	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	0.3 U	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	**10**	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	**13**	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**1.9**	**0.0025** J	**0.8**	**0.0037** J	**1.7**	**0.87**	**0.11**	**1.4**	**0.2**
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	**2.4**	**0.0026** J	**0.78**	**0.0032** J	**1.1**	**0.96**	**0.12**	**1.9**	**0.25**
Acenaphthene	97.9	4800	NA	MTCA B NCAR	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	NA	MTCA B NCAR	**0.43**	0.0048 U	0.0048 U	0.0049 U	0.0049 U	**0.25**	**0.015**	**1**	**0.025**
Anthracene	NV	24000	NA	MTCA B NCAR	**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	NA	MTCA B CAR	**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	NA	MTCA A	**8.7**	**0.0024** J	**0.054**	0.0049 U	**0.048**	**1.2**	**0.06**	**1.9**	**0.17**
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	**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	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Chrysene	95.5	137	NA	MTCA B CAR	**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	NA	MTCA B CAR	**1.5**	0.0048 U	**0.012**	0.0049 U	**0.015**	**0.2**	**0.0098** J	**0.4**	**0.04**
Dibenzofuran	NV	80	NA	MTCA B NCAR	**0.57**	0.0048 U	**0.19**	0.0049 U	**0.24**	**0.23**	**0.028**	**0.31**	**0.069**

Table 2c
Soil Analytical Results—AOC 3
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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Fluoranthene	631.00	3200	NA	MTCA B NCAR	**16**	**0.004** J	**0.088**	0.0049 U	**0.057**	**2.2**	**0.091**	**2.3**	**0.53**
Fluorene	101	3200	NA	MTCA B NCAR	**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	NA	MTCA B CAR	**5.6**	0.0048 U	**0.018**	0.0049 U	**0.0074**	**1**	**0.032**	**1.2**	**0.13**
Naphthalene	4.45	5	NA	MTCA A	**1.9**	**0.0025** J	**0.38**	**0.0027** J	**0.29**	**0.77**	**0.074**	**2.1**	**0.16**
Phenanthrene	NV	NV	NA	NV	**4.8**	0.0048 U	**0.53**	**0.0029** J	**0.83**	**2.1**	**0.14**	**1.9**	**0.66**
Pyrene	655	2400	NA	MTCA B NCAR	**15**	**0.0044** J	**0.099**	0.0049 U	**1.1**	**3.2**	**0.15**	**3.9**	**0.7**
Total Benzofluoranthenes	NV	NV	NA	NV	**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 TPH	NV	NV	NA	NV	ND	ND	ND	ND	--	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	**DETECT**	ND	ND	ND	--	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	**DETECT**	ND	ND	ND	--	--	--	--	--
TPH (mg/kg)													
Gasoline-Range TPH	NV	30	NA	MTCA A	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	2000	NA	MTCA A	**460**	--	--	--	--	--	--	--	--
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	**710**	--	--	--	--	--	--	--	--
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	**11**	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	**12**	**0.0034 J**	**0.072**	ND	**0.066**	**1.6**	**0.083**	**2.5**	**0.23**
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	**4**	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	**6.2**	**0.0076 J**	**2.0**	**0.0096 J**	**3.1**	**2.6**	**0.30**	**5.4**	**0.61**
Total PCBs	NV	1	NA	MTCA A	**0.16**	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Metals (mg/kg)														
Arsenic	2.92	20	7	MTCA A	**9.9**	**4.7**	**7.1**	**6.5**	**6.3**	--	--	--	12 U	13 U
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	**1.3**	**0.4**	**0.4**	**3.1**	**0.7**	--	--	--	0.62 U	0.67 U
Chromium	480000	2000	42	MTCA A	--	--	--	--	--	--	--	--	**46**	**32**
Lead	3000	250	17	MTCA A	**126**	**8**	**54**	**334**	**96**	--	--	--	**310**	6.7 U
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)														
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
VOCs (mg/kg)														
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR						--	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR						--	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
SVOCs by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**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	NA	MTCA B NCAR	**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	NA	MTCA B NCAR	**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	NA	MTCA B NCAR	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	NA	MTCA B NCAR	**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	NA	MTCA B CAR	**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	NA	MTCA A	**0.78**	**0.033**	**0.31**	**0.99**	**0.11**	**0.25**	0.0091 U	0.0096 U	**0.055**	0.0089 U
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	--	--	--	--	--	**0.33**	0.0091 U	0.0096 U	**0.071**	0.0089 U
Benzo(ghi)perylene	NV	NV	NA	NV	**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	NA	MTCA B CAR	--	--	--	--	--	**0.095**	0.0091 U	0.0096 U	**0.021**	0.0089 U
Chrysene	95.5	137	NA	MTCA B CAR	**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	NA	MTCA B CAR	**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	NA	MTCA B NCAR	**1.9**	**0.032**	**0.96**	**0.38**	**0.26**	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP26	GP29	GP30	GP31	GP32	GP42	GP42	GP42	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Fluoranthene	631.00	3200	NA	MTCA B NCAR	**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	NA	MTCA B NCAR	**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	NA	MTCA B CAR	**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	NA	MTCA A	**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	NA	NV	**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	NA	MTCA B NCAR	**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	NA	NV	**1.2**	**0.056**	**0.45**	**1.4**	**0.2**	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Gasoline-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
TPH (mg/kg)														
Gasoline-Range TPH	NV	30	NA	MTCA A	--	--	--	--	--	10 UJ	8.4 UJ	9.2 UJ	6.7 U	8.5 U
Diesel-Range TPH	NV	2000	NA	MTCA A	--	--	--	--	--	**210**	34 U	36 U	31 U	33 U
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	--	--	--	--	--	**500**	68 U	**210**	**92**	67 U
Calculated Totals (mg/kg)														
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	**1.1**	**0.043**	**0.41**	**1.3**	**0.16**	**0.35**	ND	ND	**0.076**	ND
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	**22**	**0.32**	**8.3**	**4.4**	**2.9**	**1.64**	ND	ND	**0.4**	ND
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50	GP51	GP51	GP51	GP51	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Metals (mg/kg)														
Arsenic	2.92	20	7	MTCA A	13 U	--	--	--	--	12 U	--	--	--	12 U
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	0.65 U	--	--	--	--	0.6 U	--	--	--	0.58 U
Chromium	480000	2000	42	MTCA A	**41**	--	--	--	--	**22**	--	--	--	**17**
Lead	3000	250	17	MTCA A	6.5 U	--	6.5 U	5.5 U	--	**72**	--	--	--	**16**
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)														
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
VOCs (mg/kg)														
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50	GP51	GP51	GP51	GP51	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	--	--	**7.7 J**	**0.16 J**	--	0.02 UJ	0.02 UJ	0.02 UJ	--	--
Bromobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	--	--	**99 J**	**8.7 J**	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50	GP51	GP51	GP51	GP51	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	--	--	**360 J**	**6.4 J**	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--
Methyl iodide	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	**97 J**	**0.61 J**	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	NA	MTCA A	--	--	1.5 UJ	0.063 UJ	--	0.072 UJ	0.061 UJ	0.082 UJ	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
SVOCs by 8270 (mg/kg)														
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50	GP51	GP51	GP51	GP51	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50	GP51	GP51	GP51	GP51	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)														
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	0.0086 U	--	--	--	--	**0.34**	--	--	--	**0.09**
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	0.0086 U	--	--	--	--	**0.36**	--	--	--	**0.073**
Acenaphthene	97.9	4800	NA	MTCA B NCAR	**0.025**	--	--	--	--	**0.012**	--	--	--	0.0078 U
Acenaphthylene	NV	1	NA	MTCA B NCAR	0.0086 U	--	--	--	--	**0.019**	--	--	--	0.0078 U
Anthracene	NV	24000	NA	MTCA B NCAR	0.0086 U	--	--	--	--	**0.036**	--	--	--	**0.0078**
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	0.0086 U	--	--	--	--	**0.079**	--	--	--	**0.012**
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	0.0086 U	--	--	--	--	**0.066**	--	--	--	**0.0097**
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	0.0086 U	--	--	--	--	**0.1**	--	--	--	**0.02**
Benzo(ghi)perylene	NV	NV	NA	NV	0.0086 U	--	--	--	--	**0.043**	--	--	--	0.0078 U
Benzo(j+k)fluoranthene	NV	13.7	NA	MTCA B CAR	0.0086 U	--	--	--	--	**0.021**	--	--	--	0.0078 U
Chrysene	95.5	137	NA	MTCA B CAR	0.0086 U	--	--	--	--	**0.099**	--	--	--	**0.016**
Dibenzo(a,h)anthracene	0.429	0.137	NA	MTCA B CAR	0.0086 U	--	--	--	--	**0.011**	--	--	--	0.0078 U
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP50	GP51	GP51	GP51	GP51	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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source										
Fluoranthene	631.00	3200	NA	MTCA B NCAR	0.0086 U	--	--	--	--	**0.13**	--	--	--	**0.018**
Fluorene	101	3200	NA	MTCA B NCAR	0.0086 U	--	--	--	--	**0.022**	--	--	--	0.0078 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	NA	MTCA B CAR	0.0086 U	--	--	--	--	**0.049**	--	--	--	**0.0081**
Naphthalene	4.45	5	NA	MTCA A	0.0086 U	--	--	--	--	**0.22**	--	--	--	**0.041**
Phenanthrene	NV	NV	NA	NV	0.0086 U	--	--	--	--	**0.21**	--	--	--	**0.057**
Pyrene	655	2400	NA	MTCA B NCAR	**0.024**	--	--	--	--	**0.11**	--	--	--	**0.018**
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Gasoline-Range TPH	NV	NV	NA	NV	--	ND	**DETECT**	**DETECT**	ND	--	--	--	ND	--
Diesel-Range TPH	NV	NV	NA	NV	--	ND	**DETECT**	**DETECT**	ND	--	--	--	ND	--
Motor-Oil Range	NV	NV	NA	NV	--	**DETECT**	ND	ND	ND	--	--	--	ND	--
TPH (mg/kg)														
Gasoline-Range TPH	NV	30	NA	MTCA A	7.7 U	--	**5300 J**	**1000 J**	--	7.2 UJ	6.1 UJ	8.2 UJ	--	--
Diesel-Range TPH	NV	2000	NA	MTCA A	32 U	280 U	**4300 J**	**950 J**	--	**140 J**	280 UJ	33 UJ	--	--
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	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	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	ND	--	--	--	--	**0.093**	--	--	--	**0.015**
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	ND	--	--	--	--	**0.92**	--	--	--	**0.204**
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	--	--	**457 J**	**7.01 J**	--	ND	ND	ND	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Metals (mg/kg)													
Arsenic	2.92	20	7	MTCA A	11 U	--	**15**	14 U	11 U	11 U	12 U	11 U	12 U
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	**0.81**	--	**1.2**	0.72 U	0.57 U	0.53 U	0.59 U	0.53 U	0.58 U
Chromium	480000	2000	42	MTCA A	**19**	--	**30**	**34**	**38**	**50**	**32**	**34**	**20**
Lead	3000	250	17	MTCA A	**160**	--	**260**	**32**	**42**	**6.4**	**36**	**11**	**25**
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)													
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
VOCs (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	NA	MTCA A	--	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
SVOCs by 8270 (mg/kg)													
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**0.79**	0.0086 U	**0.42**	--	**0.15**	0.0071 U	**0.25**	**0.058**	**0.14**
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	**1.1**	0.0086 U	**0.46**	--	**0.16**	0.0071 U	**0.35**	**0.066**	**0.14**
Acenaphthene	97.9	4800	NA	MTCA B NCAR	0.072 U	0.0086 U	**0.017**	--	0.0077 U	0.0071 U	0.0079 U	0.007 U	0.0077 U
Acenaphthylene	NV	1	NA	MTCA B NCAR	**1**	0.0086 U	**0.039**	--	**0.0087**	0.0071 U	**0.034**	**0.012**	0.0077 U
Anthracene	NV	24000	NA	MTCA B NCAR	**0.8 J**	0.0086 UJ	**0.072 J**	--	**0.016**	0.0071 U	**0.04 J**	**0.017**	**0.015**
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	**1.6**	0.0086 U	**0.14**	--	**0.031**	0.0071 U	**0.11**	**0.076**	**0.036**
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	**1.6**	0.0086 U	**0.12**	--	**0.026**	0.0071 U	**0.15**	**0.19**	**0.031**
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	**2**	0.0086 U	**0.17**	--	**0.032**	0.0071 U	**0.24**	**0.19**	**0.035**
Benzo(ghi)perylene	NV	NV	NA	NV	**1**	0.0086 U	**0.069**	--	**0.019**	0.0071 U	**0.11**	**0.24**	**0.021**
Benzo(j+k)fluoranthene	NV	13.7	NA	MTCA B CAR	**0.49**	0.0086 U	**0.043**	--	**0.0096**	0.0071 U	**0.064**	**0.049**	**0.01**
Chrysene	95.5	137	NA	MTCA B CAR	**1.6**	0.0086 U	**0.16**	--	**0.037**	0.0071 U	**0.19**	**0.097**	**0.035**
Dibenzo(a,h)anthracene	0.429	0.137	NA	MTCA B CAR	**0.18**	0.0086 U	**0.016**	--	0.0077 U	0.0071 U	**0.018**	**0.022**	0.0077 U
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP58	GP58	GP59	GP59	GP60	GP61	GP62	GP63	GP64
				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
				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
				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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Fluoranthene	631.00	3200	NA	MTCA B NCAR	**2.1**	0.0086 U	**0.19**	--	**0.052**	0.0071 U	**0.32**	**0.075**	**0.042**
Fluorene	101	3200	NA	MTCA B NCAR	**0.17**	0.0086 U	**0.036**	--	0.0077 U	0.0071 U	**0.024**	0.007 U	0.0077 U
Indeno(1,2,3-cd)pyrene	8.32	1.37	NA	MTCA B CAR	**1**	0.0086 U	**0.074**	--	**0.018**	0.0071 U	**0.12**	**0.2**	**0.02**
Naphthalene	4.45	5	NA	MTCA A	**1.3**	0.0086 U	**0.26**	--	**0.089**	0.0071 U	**0.22**	**0.059**	**0.067**
Phenanthrene	NV	NV	NA	NV	**1.6**	0.0086 U	**0.35**	--	**0.1**	0.0071 U	**0.32**	**0.045**	**0.078**
Pyrene	655	2400	NA	MTCA B NCAR	**3.5**	0.0086 U	**0.22**	--	**0.055**	0.0071 U	**0.33**	**0.15**	**0.049**
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
TPH (mg/kg)													
Gasoline-Range TPH	NV	30	NA	MTCA A	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	2000	NA	MTCA A	--	--	--	--	--	--	--	--	--
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	--	--	--	--	--	--	--	--	--
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	**2.14**	ND	**0.17**	--	**0.04**	ND	**0.21**	**0.24**	**0.04**
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	**3.19**	ND	**1.14**	--	**0.399**	ND	**0.82**	**0.183**	**0.347**
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP65	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72
				Sample Name	GP65-S-1.0	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
				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	11/18/2016
				Sample Depth Interval (ft bgs)	0.4-1.3	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Metals (mg/kg)													
Arsenic	2.92	20	7	MTCA A	11 U	14 U	13 U	13 U	11 U	--	12 U	--	12 U
Barium	1650	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Cadmium	0.69	2	1	MTCA A	0.57 U	0.69 U	0.63 U	0.63 U	0.56 U	--	**0.65**	--	0.59 U
Chromium	480000	2000	42	MTCA A	**21**	**30**	**25**	**20**	**29**	--	**31**	--	**9.5**
Lead	3000	250	17	MTCA A	**54**	**7.5**	**34**	**170**	**30**	--	**100**	--	5.9 U
Mercury	2.09	2	0.07	MTCA A	--	--	--	--	--	--	--	--	--
Nickel	130	1600	38	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Selenium	5.2	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Silver	13.6	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Zinc	5970	24000	86	MTCA B NCAR	--	--	--	--	--	--	--	--	--
PCBs (mg/kg)													
Aroclor 1016	NV	14.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
VOCs (mg/kg)													
1,1,1,2-Tetrachloroethane	NV	38	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1.49	2	NA	MTCA A	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.00122	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0277	17.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0407	175	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0457	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0333	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.562	34.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1.25	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	0.005	NA	MTCA A	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0231	11	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP65	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72
				Sample Name	GP65-S-1.0	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
				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	11/18/2016
				Sample Depth Interval (ft bgs)	0.4-1.3	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
1,2-Dichloropropane	0.0253	27.8	NA	NV	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acetone	28.9	72000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrolein	NV	40	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	1.85	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzene	0.0274	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0392	16.1	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bromoform	0.362	127	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bromomethane	0.0503	112	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Carbon disulfide	5.04	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0416	14.3	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.862	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chloroform	0.0736	32.3	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	0.0781	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0276	11.9	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Ethylbenzene	6.05	6	NA	MTCA A	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP65	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72
				Sample Name	GP65-S-1.0	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
				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	11/18/2016
				Sample Depth Interval (ft bgs)	0.4-1.3	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Freon 113	NV	2400000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	12.8	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	0.103	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0215	0.02	NA	MTCA A	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
n-Hexane	68.9	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
o-Xylene	14.4	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Styrene	2.23	16000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.05	0.05	NA	MTCA A	--	--	--	--	--	--	--	--	--
Toluene	4.52	7	NA	MTCA A	--	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	0.518	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Trichloroethene	0.518	0.03	NA	MTCA A	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Vinyl Acetate	33	80000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.00167	0.67	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
SVOCs by 8270 (mg/kg)													
1,2,4-Trichlorobenzene	0.562	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	6.98	7200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.23	185	NA	NV	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	NV	91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	NV	240	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	NV	1600	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP65	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72
				Sample Name	GP65-S-1.0	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
				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	11/18/2016
				Sample Depth Interval (ft bgs)	0.4-1.3	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
2,4-Dinitrotoluene	NV	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	NV	6400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.471	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Methylphenol	NV	4000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Nitroaniline	NV	800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.0036	2.2	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
3-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Bromophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.0012	5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Methylphenol	NV	400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Acenaphthene	97.89	4800	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	1	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.86	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Benzoic acid	256.77	320000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Benzyl alcohol	NV	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl) ether	NV	14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.00022	0.91	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	13.36	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	12.85	530	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Chrysene	95.5	140	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.43	0.14	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

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Sedro-Woolley, Washington

				Location	GP65	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72
				Sample Name	GP65-S-1.0	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
				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	11/18/2016
				Sample Depth Interval (ft bgs)	0.4-1.3	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Diethylphthalate	72.19	64000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	56.54	8000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	266240.64	NV	NA	NV	--	--	--	--	--	--	--	--	--
Fluoranthene	630.99	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Fluorene	101	3200	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.877	0.63	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.605	13	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	192	480	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.0434	71	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8.32	1.4	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Isophorone	0.23	1100	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Naphthalene	4.45	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
Nitrobenzene	0.102	160	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.53	200	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.000056	NV	NA	NV	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.0158	2.5	NA	MTCA B CAR	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Phenol	10.98	24000	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Pyrene	655	2400	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
SVOCs by 8270 SIM (mg/kg)													
1-Methylnaphthalene	NV	35	NA	MTCA B CAR	**0.031**	0.0092 U	**0.37**	**1.4**	**0.41**	0.0086 U	**0.28**	0.0087 U	0.0078 U
2-Methylnaphthalene	NV	320	NA	MTCA B NCAR	**0.03**	0.0092 U	**0.38**	**1.6**	**0.55**	0.0086 U	**0.38**	0.0087 U	0.0078 U
Acenaphthene	97.9	4800	NA	MTCA B NCAR	0.0076 U	0.0092 U	**0.013**	**0.052**	**0.031**	0.0086 U	0.016 U	0.0087 U	0.0078 U
Acenaphthylene	NV	1	NA	MTCA B NCAR	0.0076 U	0.0092 U	**0.014**	**0.053**	**0.074**	0.0086 U	**0.037**	0.0087 U	0.0078 U
Anthracene	NV	24000	NA	MTCA B NCAR	0.0076 U	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	NA	MTCA B CAR	**0.012**	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	NA	MTCA A	**0.011**	0.0092 U	**0.016**	**0.054**	**0.77**	0.0086 U	**0.21**	0.0087 U	0.0078 U
Benzo(b)fluoranthene	2.95	1.37	NA	MTCA B CAR	**0.014**	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	NA	NV	**0.0087**	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	NA	MTCA B CAR	0.0076 U	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	NA	MTCA B CAR	**0.012**	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	NA	MTCA B CAR	0.0076 U	0.0092 U	0.0084 U	**0.024**	**0.1**	0.0086 U	**0.029**	0.0087 U	0.0078 U
Dibenzofuran	NV	80	NA	MTCA B NCAR	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP65	GP66	GP67	GP68	GP69	GP69	GP70	GP70	GP72
				Sample Name	GP65-S-1.0	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
				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	11/18/2016
				Sample Depth Interval (ft bgs)	0.4-1.3	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
	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source									
Fluoranthene	631.00	3200	NA	MTCA B NCAR	**0.016**	0.0092 U	**0.022**	**0.14**	**0.42**	0.0086 U	**0.32**	0.0087 U	**0.063**
Fluorene	101	3200	NA	MTCA B NCAR	0.0076 U	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	NA	MTCA B CAR	**0.0076**	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	NA	MTCA A	**0.017**	**0.014**	**0.2**	**0.65**	**0.44**	0.0086 U	**0.31**	0.0087 U	0.0078 U
Phenanthrene	NV	NV	NA	NV	**0.024**	0.0092 U	**0.19**	**0.45**	**0.34**	0.0086 U	**0.32**	0.0087 U	**0.017**
Pyrene	655	2400	NA	MTCA B NCAR	**0.018**	0.0092 U	**0.035**	**0.19**	**0.74**	0.0086 U	**0.36**	0.0087 U	**0.052**
Total Benzofluoranthenes	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Gasoline-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
Motor-Oil Range	NV	NV	NA	NV	--	--	--	--	--	--	--	--	--
TPH (mg/kg)													
Gasoline-Range TPH	NV	30	NA	MTCA A	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NV	2000	NA	MTCA A	--	--	--	--	--	--	--	--	--
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	--	--	--	--	--	--	--	--	--
Calculated Totals (mg/kg)													
cPAH TEQ by 8270	2.33	0.1	NA	MTCA A	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	2.33	0.1	NA	MTCA A	**0.02**	ND	**0.02**	**0.09**	**1.01**	ND	**0.30**	ND	ND
Total Naphthalenes by 8270	4.46	5	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Naphthalenes by 8270 SIM	4.46	5	NA	MTCA A	**0.078**	**0.0232**	**0.95**	**3.65**	**1.4**	ND	**0.97**	ND	ND
Total PCBs	NV	1	NA	MTCA A	--	--	--	--	--	--	--	--	--
Total Xylenes	14.4	9	NA	MTCA A	--	--	--	--	--	--	--	--	--

Table 2c
Soil Analytical Results—AOC 3
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**. Only detected concentrations are compared to CULs.

Exceedances of both the soil CUL and the CUL protective of groundwater are shaded purple.

Exceedances of only the CUL protective of groundwater are shaded blue.

Exceedances of only the soil CUL are shaded green.

Soil CULs are based on MTCA A, Unrestricted Land Use CULs, or MTCA B CULs if no MTCA A value was available.

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."

Natural background soil metals concentrations for Washington State from Ecology's soil natural background guidance (Ecology, 1994) are also provided . If the natural background concentration was greater than the soil CUL and/or the CUL protective of groundwater, the natural background concentration was used as the CUL.

-- = not analyzed.

8270 = U.S. Environmental Protection Agency Method 8270.

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.

Degrees C = degrees Celsius.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

J = Result is an estimated value.

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

MTCA = Model Toxics Control Act.

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

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

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

NA = not available.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

SVOC = semivolatile organic compound.

TPH = total petroleum hydrocarbons.

U = Analyte not detected at or above method detection limit.

ug/kg = micrograms per kilogram (parts per billion).

VOC = volatile organic compound.

Table 2d
Soil Analytical Results—Other
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

				Location	GP02	GP03	GP17
				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 CUL for GW Protection @ 13 degrees C (mg/kg)	Soil CUL (mg/kg)	Natural Background (mg/kg)	CUL Source			
Metals (mg/kg)							
Arsenic	2.92	20	7	MTCA A	**3.1**	**2.2**	--
Barium	1650	16000	NA	MTCA B NCAR	**102**	**40.1**	--
Cadmium	0.69	2	1	MTCA A	**0.2**	0.1 U	--
Chromium	480000	2000	42	MTCA A	**13.5**	**13**	--
Lead	3000	250	17	MTCA A	**163**	**49**	--
Mercury	2.09	2	0.07	MTCA A	**0.07**	**0.17**	--
Selenium	5.2	400	NA	MTCA B NCAR	0.6 U	0.6 U	--
Silver	13.6	400	NA	MTCA B NCAR	0.2 U	0.2 U	--
Hydrocarbon Identification (Presence/Absence)							
Gasoline-Range TPH	NV	NV	NA	NV	ND	ND	--
Diesel-Range TPH	NV	NV	NA	NV	ND	ND	--
Motor-Oil Range	NV	NV	NA	NV	ND	ND	--
TPH (mg/kg)							
Diesel-Range TPH	NV	2000	NA	MTCA A	--	--	**13**
Motor-Oil-Range TPH	NV	2000	NA	MTCA A	--	--	**51**

Table 2d
Soil Analytical Results—Other
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

NOTES:

Detections in **bold**. Only detected concentrations are compared to CULs.

Soil CULs are based on MTCA A, Unrestricted Land Use CULs, or MTCA B CULs if no MTCA A value was available.

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."

Natural background soil metals concentrations for Washington State from Ecology's soil natural background guidance (Ecology, 1994) are also provided . If the natural background concentration was greater than the soil CUL and/or the CUL protective of groundwater, the natural background concentration was used as the CUL.

-- = not analyzed.

CUL = cleanup level.

Degrees C = degrees Celsius.

Ecology = Washington State Department of Ecology.

ft bgs = feet below ground surface.

GW = groundwater.

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

MTCA = Model Toxics Control Act.

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

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

NA = not available.

ND = not detected.

NV = no value.

TPH = total petroleum hydrocarbons.

U = Analyte not detected at or above method detection limit.

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37
			Sample Name:	GP1-W-7.5	GP-10-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
			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
			Collection Depth (ft bgs):	5.0-10.0	5.0-10.0	5.0-10.0	14.0-19.0	15.0-20.0	5.0-10.0	23.0-28.0	11.0-16.0	9.0-14.0
	Groundwater CUL (ug/L)	CUL Source										
Dissolved Metals (ug/L)												
Arsenic	5	MTCA A		**3.6**	--	--	--	--	--	--	--	--
Barium	3200	MTCA B NCAR		**137**	--	--	--	--	--	--	--	--
Cadmium	5	MTCA A		0.1 U	--	--	--	--	--	--	--	4 U
Chromium	50	MTCA A		1 U	--	--	--	--	--	--	--	10 U
Lead	15	MTCA A		**0.1**	--	--	--	--	--	--	--	1 U
Mercury	2	MTCA A		0.1 U	--	--	--	--	--	--	--	--
Nickel	320	MTCA B NCAR		--	--	--	--	--	--	--	--	20 U
Selenium	80	MTCA B NCAR		0.5 U	--	--	--	--	--	--	--	--
Silver	80	MTCA B NCAR		0.2 U	--	--	--	--	--	--	--	--
Zinc	4800	MTCA B NCAR		--	--	--	--	--	--	--	--	25 U
PCB Aroclors (ug/L)												
Aroclor 1016	1.12	MTCA 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	MTCA B CAR		0.01 U	--	--	--	--	--	--	--	0.048 U
Aroclor 1260	0.0438	MTCA B CAR		0.01 U	--	--	--	--	--	--	--	0.048 U
VOCs (ug/L)												
1,1,1,2-Tetrachloroethane	1.68	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
1,1,1-Trichloroethane	200	MTCA A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
1,1,2,2-Tetrachloroethane	0.219	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
1,1,2-Trichloroethane	0.768	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
1,1-Dichloroethane	7.68	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
1,1-Dichloroethene	400	MTCA B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 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
1,2,3-Trichlorobenzene	NV	NV		0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 U
1,2,3-Trichloropropane	0.00146	MTCA B CAR		**0.4 J**	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 U
1,2,4-Trichlorobenzene	1.51	MTCA B CAR		0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 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**
1,2-Dibromo-3-chloropropane	0.0547	MTCA B CAR		0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	1.4 U
1,2-Dibromoethane	0.01	MTCA A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.0097 U
1,2-Dichlorobenzene	720	MTCA B NCAR		**1.7**	0.2 U	0.2 U	--	**0.21**	0.2 U	0.2 UR	--	**0.54**
1,2-Dichloroethane	5	MTCA A		**0.2 J**	0.2 U	0.2 U	--	**0.19 J**	0.2 U	0.2 UR	--	**0.43**
1,2-Dichloropropane	1.22	MTCA B CAR		**0.2**	0.2 U	0.2 U	--	**0.18 J**	0.2 U	0.2 UR	--	**0.29**
1,3,5-Trimethylbenzene	80	MTCA B NCAR		**2.2**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 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
1,3-Dichloropropane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
1,4-Dichlorobenzene	8.1	MTCA B CAR		**50**	0.2 U	0.2 U	--	**0.52**	0.2 U	0.2 UR	--	**1.2**
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

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37
			Sample Name:	GP1-W-7.5	GP-10-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
			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
			Collection Depth (ft bgs):	5.0-10.0	5.0-10.0	5.0-10.0	14.0-19.0	15.0-20.0	5.0-10.0	23.0-28.0	11.0-16.0	9.0-14.0
	Groundwater CUL (ug/L)	CUL Source										
1,4-Dichlorobenzene	4800	MTCA B NCAR		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	5 U
2-Chloroethylvinyl ether	NV	NV		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	3.2 U
2-Chlorotoluene	160	MTCA B NCAR		**0.8**	0.2 U	0.2 U	--	**0.23**	0.2 U	0.2 UR	--	**0.3**
2-Hexanone	NV	NV		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	2 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
4-Isopropyltoluene	NV	NV		**3.4**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**1.1**
4-Methyl-2-pentanone	640	MTCA B NCAR		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	2 U
Acetone	7200	MTCA B NCAR		**4.6 J**	5 U	**2.5 J**	--	**2.4 J**	**3.4 J**	5 UR	--	5 U
Acrolein	4	MTCA B NCAR		5 U	5 U	5 U	--	5 U	5 U	5 UR	--	--
Acrylonitrile	0.081	MTCA B CAR		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	--
Benzene	5	MTCA A		**1.7**	0.2 U	0.2 U	--	**0.61**	0.2 U	**0.92 J**	--	**2.8**
Bromobenzene	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Bromodichloromethane	0.706	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 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	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	1 U
Bromomethane	11.2	MTCA B NCAR		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	0.2 U
Carbon disulfide	800	MTCA B NCAR		0.2 U	0.2 U	**0.12 J**	--	**0.19 J**	0.2 U	0.2 UR	--	0.2 U
Carbon tetrachloride	0.625	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Chlorobenzene	160	MTCA B NCAR		**340**	0.2 U	0.2 U	--	**49**	**0.2**	0.2 UR	--	**53**
Chlorobromomethane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Chloroethane	NV	NV		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	1 U
Chloroform	1.41	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 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
cis-1,2-Dichloroethene	16	MTCA B NCAR		**0.1 J**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**0.31**
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
Dibromochloromethane	0.521	MTCA B CAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Dibromomethane	80	MTCA B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Dichlorodifluoromethane	1600	MTCA B NCAR		--	--	--	--	--	--	--	--	0.28 U
Ethylbenzene	700	MTCA A		**1.1**	0.2 U	0.2 U	--	0.2 U	0.2 U	**0.28 J**	--	**0.25**
Freon 113	240000	MTCA B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	--
Hexachlorobutadiene	0.561	MTCA B CAR		0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	0.2 U
Isopropylbenzene	800	MTCA B NCAR		**6**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**0.98**
m,p-Xylene	1000	MTCA A		**0.3 J**	0.4 U	0.4 U	--	0.4 U	0.4 U	**0.82 J**	--	0.4 U
Methyl iodide	NV	NV		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	1.5 U
Methyl tert-butyl ether	20	MTCA A		--	--	--	--	--	--	--	--	0.2 U
Methylene chloride	5	MTCA A		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	1 U
Naphthalene	160	MTCA A		**1.1**	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 UR	--	**2.3 J**
n-Butylbenzene	400	MTCA B NCAR		**2.8**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**1.1**
n-Hexane	480	MTCA B NCAR		--	--	--	--	--	--	--	--	1 U
n-Propylbenzene	800	MTCA B NCAR		**11**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**2.4**
o-Xylene	1600	MTCA B NCAR		**1.2**	0.2 U	0.2 U	--	**0.16 J**	0.2 U	0.2 UR	--	**0.22**

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37
			Sample Name:	GP1-W-7.5	GP-10-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
			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
			Collection Depth (ft bgs):	5.0-10.0	5.0-10.0	5.0-10.0	14.0-19.0	15.0-20.0	5.0-10.0	23.0-28.0	11.0-16.0	9.0-14.0
	Groundwater CUL (ug/L)	CUL Source										
sec-Butylbenzene	800	MTCA B NCAR		**4.9**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**1.5**
Styrene	1600	MTCA B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
tert-Butylbenzene	800	MTCA B NCAR		**0.6**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	**0.27**
Tetrachloroethene	5	MTCA A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Toluene	1000	MTCA A		**0.6**	0.2 U	0.2 U	--	**0.26**	0.2 U	0.2 UR	--	1 U
trans-1,2-dichloroethene	160	MTCA B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 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
trans-1,4-Dichloro-2-butene	NV	NV		1 U	1 U	1 U	--	1 U	1 U	1 UR	--	--
Trichloroethene	5	MTCA A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Trichlorofluoromethane	2400	MTCA B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
Vinyl Acetate	8000	MTCA B NCAR		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	1 U
Vinyl chloride	0.2	MTCA A		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 UR	--	0.2 U
SVOCs (ug/L)												
1,2,4-Trichlorobenzene	1.51	MTCA B CAR		1 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	MTCA B NCAR		**0.7 J**	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV		**1.1**	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	MTCA B CAR		**19**	--	--	--	--	--	--	--	--
1-Methylnaphthalene	160	MTCA A		**12**	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	800	MTCA B NCAR		5 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	3.98	MTCA B CAR		5 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	24	MTCA B NCAR		5 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	160	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	32	MTCA B NCAR		10 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	0.282	MTCA B CAR		5 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	0.0583	MTCA B CAR		5 U	--	--	--	--	--	--	--	--
2-Chloronaphthalene	640	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
2-Chlorophenol	40	MTCA B NCAR		**2.6**	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	MTCA A		**11**	--	--	--	--	--	--	--	--
2-Methylphenol	400	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
2-Nitroaniline	160	MTCA B NCAR		5 U	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV		5 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.194	MTCA 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	MTCA B CAR		5 U	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV		1 U	--	--	--	--	--	--	--	--
4-Methylphenol	800	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV		5 U	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV		5 U	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37
			Sample Name:	GP1-W-7.5	GP-10-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
			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
			Collection Depth (ft bgs):	5.0-10.0	5.0-10.0	5.0-10.0	14.0-19.0	15.0-20.0	5.0-10.0	23.0-28.0	11.0-16.0	9.0-14.0
	Groundwater CUL (ug/L)	CUL Source										
Acenaphthene	960	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Anthracene	4800	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	MTCA A	1 U	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Benzoic acid	64000	MTCA B NCAR	10 U	--	--	--	--	--	--	--	--	--
Benzyl alcohol	800	MTCA B NCAR	5 U	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.0398	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	46.1	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Chrysene	12	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Diethyl phthalate	12800	MTCA B NCAR	**1**	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	1 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	1600	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	160	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Fluoranthene	640	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Fluorene	640	MTCA B NCAR	**0.8 J**	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0547	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	48	MTCA B NCAR	5 U	--	--	--	--	--	--	--	--	--
Hexachloroethane	1.09	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Isophorone	46.1	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Naphthalene	160	MTCA A	1 U	--	--	--	--	--	--	--	--	--
Nitrobenzene	16	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	17.9	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.0125	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.219	MTCA B CAR	5 U	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	**0.6 J**	--	--	--	--	--	--	--	--	--
Phenol	2400	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Pyrene	480	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
SVOCs by SIM (ug/L)												
1-Methylnaphthalene	160	MTCA A	**9.4**	0.1 U	0.11 U	--	0.11 U	**0.06 J**	**0.18 J**	--	**1.5**	
2-Methylnaphthalene	160	MTCA A	**13**	0.1 U	0.11 U	--	0.11 U	**0.06 J**	0.1 UJ	--	**2**	

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37
			Sample Name:	GP1-W-7.5	GP-10-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
			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
			Collection Depth (ft bgs):	5.0-10.0	5.0-10.0	5.0-10.0	14.0-19.0	15.0-20.0	5.0-10.0	23.0-28.0	11.0-16.0	9.0-14.0
	Groundwater CUL (ug/L)	CUL Source										
Acenaphthene	960	MTCA 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	MTCA 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	MTCA 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	MTCA 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	MTCA 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	MTCA B CAR		--	--	--	--	--	--	--	--	0.0096 U
Chrysene	12	MTCA 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	MTCA 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	MTCA B NCAR		**0.28**	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 UJ	--	--
Fluoranthene	640	MTCA 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	MTCA 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	MTCA 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	MTCA 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	MTCA 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	MTCA B CAR		0.2 U	0.21 U	0.22 U	--	0.22 U	0.21 U	0.2 UJ	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP01	GP10	GP10	GP10	GP11	GP12	GP12	GP36	GP37
			Sample Name:	GP1-W-7.5	GP-10-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
			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
			Collection Depth (ft bgs):	5.0-10.0	5.0-10.0	5.0-10.0	14.0-19.0	15.0-20.0	5.0-10.0	23.0-28.0	11.0-16.0	9.0-14.0
	Groundwater CUL (ug/L)	CUL Source										
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range TPH	NA	NA		--	--	--	--	--	--	--	--	**DETECT**
Diesel-Range TPH	NA	NA		--	--	--	--	--	--	--	--	**DETECT**
Motor-Oil-Range TPH	NA	NA		--	--	--	--	--	--	--	--	**DETECT**
Total Petroleum Hydrocarbons (ug/L)												
Gasoline-Range TPH	800	MTCA A		**1800**	250 U	250 U	--	250 U	250 U	--	100 UJ	**400**
Diesel-Range TPH	500	MTCA A		**3300**	100 U	100 U	--	**980**	**710**	100 UJ	**280**	**1500**
Motor-Oil-Range TPH	500	MTCA A		**1100**	200 U	210 U	--	**310**	**400**	200 UJ	**440**	**880**
Calculated Totals												
cPAH TEQ by 8270	0.1	MTCA A		ND	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	0.1	MTCA A		ND	ND	ND	--	ND	ND	ND	--	ND
Total naphthalenes by 8270	160	MTCA A		**23.5**	--	--	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	MTCA A		**22.72**	ND	ND	--	ND	**0.17 J**	**0.28 J**	--	**3.8**
Total PCBs	0.1	MTCA A		**0.039**	--	--	--	--	--	--	--	ND
Total Xylenes	1000	MTCA A		**1.5 J**	ND	ND	--	**0.36 J**	ND	**0.92**	--	**0.42**

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP38	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46
			Sample Name:	GP38-W-11.0	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
			Collection Date:	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	6.0-11.0	10.0-15.0	9.5-14.5	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source										
Dissolved Metals (ug/L)												
Arsenic	5	MTCA A	--	--	--	--	--	--	--	--	--	--
Barium	3200	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Cadmium	5	MTCA A	--	--	--	--	--	--	--	--	--	--
Chromium	50	MTCA A	--	--	--	--	--	--	--	--	--	--
Lead	15	MTCA A	--	--	--	--	--	--	--	--	--	--
Mercury	2	MTCA A	--	--	--	--	--	--	--	--	--	--
Nickel	320	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Selenium	80	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Silver	80	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Zinc	4800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
PCB Aroclors (ug/L)												
Aroclor 1016	1.12	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0.0438	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0.0438	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
VOCs (ug/L)												
1,1,1,2-Tetrachloroethane	1.68	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	MTCA A	1 U	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.219	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.768	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	7.68	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	400	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	0.00146	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	1.51	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	**1.5**	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.0547	MTCA B CAR	5 U	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	0.01	MTCA A	0.0097 U	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	5	MTCA A	1 U	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	1.22	MTCA B CAR	1 U	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	80	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	1 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	MTCA B CAR	**2.3**	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	1 U	--	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP38	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46
			Sample Name:	GP38-W-11.0	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
			Collection Date:	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	6.0-11.0	10.0-15.0	9.5-14.5	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source										
1,4-Dichlorobenzene	4800	MTCA B NCAR		25 U	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV		10 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	160	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV		10 U	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV		1 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV		1 U	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	640	MTCA B NCAR		10 U	--	--	--	--	--	--	--	--
Acetone	7200	MTCA B NCAR		25 U	--	--	--	--	--	--	--	--
Acrolein	4	MTCA B NCAR		--	--	--	--	--	--	--	--	--
Acrylonitrile	0.081	MTCA B CAR		--	--	--	--	--	--	--	--	--
Benzene	5	MTCA A		**3**	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV		1 U	--	--	--	--	--	--	--	--
Bromodichloromethane	0.706	MTCA B CAR		1 U	--	--	--	--	--	--	--	--
Bromoethane	NV	NV		--	--	--	--	--	--	--	--	--
Bromoform	5.54	MTCA B CAR		5 U	--	--	--	--	--	--	--	--
Bromomethane	11.2	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
Carbon disulfide	800	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.625	MTCA B CAR		1 U	--	--	--	--	--	--	--	--
Chlorobenzene	160	MTCA B NCAR		**120**	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV		1 U	--	--	--	--	--	--	--	--
Chloroethane	NV	NV		5 U	--	--	--	--	--	--	--	--
Chloroform	1.41	MTCA B CAR		1 U	--	--	--	--	--	--	--	--
Chloromethane	NV	NV		5 U	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	16	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV		1 U	--	--	--	--	--	--	--	--
Dibromochloromethane	0.521	MTCA B CAR		1 U	--	--	--	--	--	--	--	--
Dibromomethane	80	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	1600	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
Ethylbenzene	700	MTCA A		1 U	--	--	--	--	--	--	--	--
Freon 113	240000	MTCA B NCAR		--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	MTCA B CAR		1 U	--	--	--	--	--	--	--	--
Isopropylbenzene	800	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
m,p-Xylene	1000	MTCA A		2 U	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV		5 U	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	20	MTCA A		1 U	--	--	--	--	--	--	--	--
Methylene chloride	5	MTCA A		5 U	--	--	--	--	--	--	--	--
Naphthalene	160	MTCA A		6.5 U	--	--	--	--	--	--	--	--
n-Butylbenzene	400	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
n-Hexane	480	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
n-Propylbenzene	800	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--
o-Xylene	1600	MTCA B NCAR		1 U	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP38	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46
			Sample Name:	GP38-W-11.0	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
			Collection Date:	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	6.0-11.0	10.0-15.0	9.5-14.5	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source										
sec-Butylbenzene	800	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Styrene	1600	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	800	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	MTCA A	1 U	--	--	--	--	--	--	--	--	--
Toluene	1000	MTCA A	5 U	--	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	160	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	1 U	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	MTCA A	1 U	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	2400	MTCA B NCAR	1 U	--	--	--	--	--	--	--	--	--
Vinyl Acetate	8000	MTCA B NCAR	5 U	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.2	MTCA A	1 U	--	--	--	--	--	--	--	--	--
SVOCs (ug/L)												
1,2,4-Trichlorobenzene	1.51	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	3.98	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	24	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	160	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	32	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	0.282	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	0.0583	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	640	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	40	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	400	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	160	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.194	MTCA 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	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP38	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46
			Sample Name:	GP38-W-11.0	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
			Collection Date:	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	6.0-11.0	10.0-15.0	9.5-14.5	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source										
Acenaphthene	960	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	4800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	MTCA A	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Benzoic acid	64000	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	--	--	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.0398	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	46.1	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Carbazole	NV	NV	--	--	--	--	--	--	--	--	--	--
Chrysene	12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	12800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	1600	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	160	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	640	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	640	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0547	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	48	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	1.09	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Isophorone	46.1	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	MTCA A	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	16	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	17.9	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.0125	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	0.219	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Phenol	2400	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Pyrene	480	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
SVOCs by SIM (ug/L)												
1-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP38	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46
			Sample Name:	GP38-W-11.0	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
			Collection Date:	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	6.0-11.0	10.0-15.0	9.5-14.5	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source										
Acenaphthene	960	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	4800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	MTCA A	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Benzo(j+k)fluoranthene	1.20	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Chrysene	12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	16	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Fluoranthene	640	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Fluorene	640	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	MTCA A	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Pyrene	480	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP38	GP39	GP40	GP41	GP42	GP43	GP44	GP45	GP46
			Sample Name:	GP38-W-11.0	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
			Collection Date:	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	6.0-11.0	10.0-15.0	9.5-14.5	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source										
Hydrocarbon Identification (Presence/Absence)												
Gasoline-Range TPH	NA	NA	--	--	--	--	--	--	--	--	--	--
Diesel-Range TPH	NA	NA	--	--	--	--	--	--	--	--	--	--
Motor-Oil-Range TPH	NA	NA	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)												
Gasoline-Range TPH	800	MTCA A	**390**	--	--	--	--	100 U	--	--	--	--
Diesel-Range TPH	500	MTCA A	**920**	**480**	260 U	260 U	260 U	**1400**	**880**	270 U	270 U	
Motor-Oil-Range TPH	500	MTCA A	430 U	430 U	410 U	420 U	420 U	**910**	**570**	440 U	440 U	
Calculated Totals												
cPAH TEQ by 8270	0.1	MTCA A	--	--	--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	0.1	MTCA A	--	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270	160	MTCA A	--	--	--	--	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	MTCA A	--	--	--	--	--	--	--	--	--	--
Total PCBs	0.1	MTCA A	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000	MTCA A	ND	--	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP47	GP48	GP49	MW01	MW01	MW01	MW01	MW01
			Sample Name:	GP47-W-8.0	GP48-W-10.0	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP
			Collection Date:	11/16/2016	11/16/2016	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	8.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source									
Dissolved Metals (ug/L)											
Arsenic	5	MTCA A	--	--	--	**0.6**	**0.6**	--	--	--
Barium	3200	MTCA B NCAR	--	--	--	**103**	**103**	--	--	--
Cadmium	5	MTCA A	--	--	--	0.1 U	0.1 U	--	--	--
Chromium	50	MTCA A	--	--	--	**0.9**	**1**	--	--	--
Lead	15	MTCA A	--	--	--	0.1 U	0.1 U	--	--	--
Mercury	2	MTCA A	--	--	--	0.1 U	0.1 U	--	--	--
Nickel	320	MTCA B NCAR	--	--	--	--	--	--	--	--
Selenium	80	MTCA B NCAR	--	--	--	0.5 U	0.5 U	--	--	--
Silver	80	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	--	--
Zinc	4800	MTCA B NCAR	--	--	--	--	--	--	--	--
PCB Aroclors (ug/L)											
Aroclor 1016	1.12	MTCA B NCAR	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1254	0.0438	MTCA B CAR	--	--	--	--	--	--	--	--
Aroclor 1260	0.0438	MTCA B CAR	--	--	--	--	--	--	--	--
VOCs (ug/L)											
1,1,1,2-Tetrachloroethane	1.68	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,1,1-Trichloroethane	200	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.219	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,1,2-Trichloroethane	0.768	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,1-Dichloroethane	7.68	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,1-Dichloroethene	400	MTCA 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	MTCA B CAR	--	--	--	0.5 U	0.5 U	--	0.5 U	0.5 U
1,2,4-Trichlorobenzene	1.51	MTCA 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	MTCA B CAR	--	--	--	0.5 U	0.5 U	--	0.5 U	0.5 U
1,2-Dibromoethane	0.01	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,2-Dichlorobenzene	720	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,2-Dichloroethane	5	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,2-Dichloropropane	1.22	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
1,3,5-Trimethylbenzene	80	MTCA 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	MTCA 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

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP47	GP48	GP49	MW01	MW01	MW01	MW01	MW01
			Sample Name:	GP47-W-8.0	GP48-W-10.0	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP
			Collection Date:	11/16/2016	11/16/2016	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	8.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source									
1,4-Dichlorobenzene	4800	MTCA 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	MTCA 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	MTCA B NCAR	--	--	--	5 U	5 U	--	5 U	5 U
Acetone	7200	MTCA B NCAR	--	--	--	5 U	5 U	--	5 U	5 U
Acrolein	4	MTCA B NCAR	--	--	--	5 U	5 U	--	5 U	5 U
Acrylonitrile	0.081	MTCA B CAR	--	--	--	1 U	1 U	--	1 U	1 U
Benzene	5	MTCA 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	MTCA 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	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Bromomethane	11.2	MTCA B NCAR	--	--	--	1 U	1 U	--	1 U	1 U
Carbon disulfide	800	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Carbon tetrachloride	0.625	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Chlorobenzene	160	MTCA 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	MTCA 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	MTCA 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	MTCA B CAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Dibromomethane	80	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Dichlorodifluoromethane	1600	MTCA B NCAR	--	--	--	--	--	--	--	--
Ethylbenzene	700	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Freon 113	240000	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Hexachlorobutadiene	0.561	MTCA B CAR	--	--	--	0.5 U	0.5 U	--	0.5 U	0.5 U
Isopropylbenzene	800	MTCA B NCAR	--	--	--	**2.8**	**3.2**	--	**0.76**	**0.81**
m,p-Xylene	1000	MTCA 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	MTCA A	--	--	--	--	--	--	--	--
Methylene chloride	5	MTCA A	--	--	--	1 U	1 U	--	1 U	1 U
Naphthalene	160	MTCA A	--	--	--	**0.7**	**1**	--	0.5 U	0.5 U
n-Butylbenzene	400	MTCA B NCAR	--	--	--	**0.5**	**0.5**	--	**0.31 J**	**0.33 J**
n-Hexane	480	MTCA B NCAR	--	--	--	--	--	--	--	--
n-Propylbenzene	800	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
o-Xylene	1600	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location:	GP47	GP48	GP49	MW01	MW01	MW01	MW01	MW01
		Sample Name:	GP47-W-8.0	GP48-W-10.0	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP
		Collection Date:	11/16/2016	11/16/2016	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014
		Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	8.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source								
sec-Butylbenzene	800	MTCA B NCAR	--	--	--	**2**	**2.2**	--	**1.2**	**1.3**
Styrene	1600	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
tert-Butylbenzene	800	MTCA B NCAR	--	--	--	**0.3**	**0.3**	--	0.2 U	0.2 U
Tetrachloroethene	5	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Toluene	1000	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
trans-1,2-dichloroethene	160	MTCA 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	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Trichlorofluoromethane	2400	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Vinyl Acetate	8000	MTCA B NCAR	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
Vinyl chloride	0.2	MTCA A	--	--	--	0.2 U	0.2 U	--	0.2 U	0.2 U
SVOCs (ug/L)										
1,2,4-Trichlorobenzene	1.51	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
1,2-Dichlorobenzene	720	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	1 U	1 U	--	--	--
1,4-Dichlorobenzene	8.1	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
1-Methylnaphthalene	160	MTCA A	--	--	--	**11**	**12**	--	--	--
2,4,5-Trichlorophenol	800	MTCA B NCAR	--	--	--	5 U	5 U	--	--	--
2,4,6-Trichlorophenol	3.98	MTCA B CAR	--	--	--	5 U	5 U	--	--	--
2,4-Dichlorophenol	24	MTCA B NCAR	--	--	--	5 U	5 U	--	--	--
2,4-Dimethylphenol	160	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
2,4-Dinitrophenol	32	MTCA B NCAR	--	--	--	10 U	10 U	--	--	--
2,4-Dinitrotoluene	0.282	MTCA B CAR	--	--	--	5 U	5 U	--	--	--
2,6-Dinitrotoluene	0.0583	MTCA B CAR	--	--	--	5 U	5 U	--	--	--
2-Chloronaphthalene	640	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
2-Chlorophenol	40	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
2-Methylnaphthalene	160	MTCA A	--	--	--	**1.9**	**2.1**	--	--	--
2-Methylphenol	400	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
2-Nitroaniline	160	MTCA B NCAR	--	--	--	5 U	5 U	--	--	--
2-Nitrophenol	NV	NV	--	--	--	5 U	5 U	--	--	--
3,3-Dichlorobenzidine	0.194	MTCA 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	MTCA B CAR	--	--	--	5 U	5 U	--	--	--
4-Chlorophenylphenyl ether	NV	NV	--	--	--	1 U	1 U	--	--	--
4-Methylphenol	800	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
4-Nitroaniline	NV	NV	--	--	--	5 U	5 U	--	--	--
4-Nitrophenol	NV	NV	--	--	--	5 U	5 U	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location:	GP47	GP48	GP49	MW01	MW01	MW01	MW01	MW01
		Sample Name:	GP47-W-8.0	GP48-W-10.0	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP
		Collection Date:	11/16/2016	11/16/2016	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014
		Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	8.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source								
Acenaphthene	960	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Acenaphthylene	NV	NV	--	--	--	1 U	1 U	--	--	--
Anthracene	4800	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Benzo(a)anthracene	0.12	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Benzo(a)pyrene	0.1	MTCA A	--	--	--	1 U	1 U	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	1 U	1 U	--	--	--
Benzoic acid	64000	MTCA B NCAR	--	--	--	10 U	10 U	--	--	--
Benzyl alcohol	800	MTCA B NCAR	--	--	--	5 U	5 U	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	--	--	--	1 U	1 U	--	--	--
Bis(2-chloroethyl)ether	0.0398	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Butylbenzylphthalate	46.1	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Carbazole	NV	NV	--	--	--	1 U	1 U	--	--	--
Chrysene	12	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Dibenzofuran	16	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Diethyl phthalate	12800	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Dimethyl phthalate	NV	NV	--	--	--	1 U	1 U	--	--	--
Di-n-butyl phthalate	1600	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Di-n-octyl phthalate	160	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Fluoranthene	640	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Fluorene	640	MTCA B NCAR	--	--	--	**2**	**2**	--	--	--
Hexachlorobenzene	0.0547	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Hexachlorobutadiene	0.561	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Hexachlorocyclopentadiene	48	MTCA B NCAR	--	--	--	5 U	5 U	--	--	--
Hexachloroethane	1.09	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Isophorone	46.1	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Naphthalene	160	MTCA A	--	--	--	1 U	1 U	--	--	--
Nitrobenzene	16	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
N-Nitrosodiphenylamine	17.9	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
N-Nitrosodipropylamine	0.0125	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
Pentachlorophenol	0.219	MTCA B CAR	--	--	--	5 U	5 U	--	--	--
Phenanthrene	NV	NV	--	--	--	**1.4**	**1.5**	--	--	--
Phenol	2400	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Pyrene	480	MTCA B NCAR	--	--	--	1 U	1 U	--	--	--
Total Benzofluoranthenes	0.12	MTCA B CAR	--	--	--	1 U	1 U	--	--	--
SVOCs by SIM (ug/L)										
1-Methylnaphthalene	160	MTCA A	--	--	--	**8.5**	**9.1**	**11**	--	--
2-Methylnaphthalene	160	MTCA A	--	--	--	**1.8**	**2**	0.1 U	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP47	GP48	GP49	MW01	MW01	MW01	MW01	MW01
			Sample Name:	GP47-W-8.0	GP48-W-10.0	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP
			Collection Date:	11/16/2016	11/16/2016	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	8.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source									
Acenaphthene	960	MTCA B NCAR		--	--	--	**0.83**	**0.41**	**0.93**	--	--
Acenaphthylene	NV	NV		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Anthracene	4800	MTCA B NCAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Benzo(a)anthracene	0.12	MTCA B CAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Benzo(a)pyrene	0.1	MTCA A		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Benzo(b)fluoranthene	0.12	MTCA B CAR		--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Benzo(j+k)fluoranthene	1.20	MTCA B CAR		--	--	--	--	--	--	--	--
Chrysene	12	MTCA B CAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Dibenzofuran	16	MTCA B NCAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Fluoranthene	640	MTCA B NCAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Fluorene	640	MTCA B NCAR		--	--	--	**2**	**2**	**2.7**	--	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Naphthalene	160	MTCA A		--	--	--	**0.23**	**0.26**	**0.13**	--	--
Phenanthrene	NV	NV		--	--	--	**1.5**	**1.4**	**1.8**	--	--
Pyrene	480	MTCA B NCAR		--	--	--	0.1 U	0.1 U	0.1 U	--	--
Total Benzofluoranthenes	0.12	MTCA B CAR		--	--	--	0.2 U	0.2 U	0.2 U	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	GP47	GP48	GP49	MW01	MW01	MW01	MW01	MW01
			Sample Name:	GP47-W-8.0	GP48-W-10.0	GP49-W-9.0	MW1-W-8.5	FIELD DUPLICATE	MW01-GW-20121009	MW01	MWDUP
			Collection Date:	11/16/2016	11/16/2016	11/16/2016	05/15/2012	05/15/2012	10/09/2012	04/10/2014	04/10/2014
			Collection Depth (ft bgs):	10.0-15.0	10.0-15.0	8.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source									
Hydrocarbon Identification (Presence/Absence)											
Gasoline-Range TPH	NA	NA		--	--	--	--	--	--	--	--
Diesel-Range TPH	NA	NA		--	--	--	--	--	--	--	--
Motor-Oil-Range TPH	NA	NA		--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)											
Gasoline-Range TPH	800	MTCA A		--	--	--	**400**	**380**	--	250 U	250 U
Diesel-Range TPH	500	MTCA A		280 U	280 U	250 U	**1300**	**1200**	**1800**	**1700**	**1600**
Motor-Oil-Range TPH	500	MTCA A		440 U	450 U	410 U	**240**	**220**	**490**	**870**	**930**
Calculated Totals											
cPAH TEQ by 8270	0.1	MTCA A		--	--	--	ND	ND	--	--	--
cPAH TEQ by 8270 SIM	0.1	MTCA A		--	--	--	ND	ND	ND	--	--
Total naphthalenes by 8270	160	MTCA A		--	--	--	**13.4**	**14.6**	--	--	--
Total naphthalenes by 8270 SIM	160	MTCA A		--	--	--	**10.53**	**11.36**	**11.18**	--	--
Total PCBs	0.1	MTCA A		--	--	--	--	--	--	--	--
Total Xylenes	1000	MTCA A		--	--	--	ND	ND	--	ND	ND

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
			Sample Name:	MW01-GW-140618	FD-GW-140618	MW01-GW-091014	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816
			Collection Date:	06/18/2014	06/18/2014	09/10/2014	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016
			Collection Depth (ft bgs):	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source									
Dissolved Metals (ug/L)											
Arsenic	5	MTCA A	--	--	--	--	--	--	--	--
Barium	3200	MTCA B NCAR	--	--	--	--	--	--	--	--
Cadmium	5	MTCA A	--	--	--	--	--	--	--	--
Chromium	50	MTCA A	--	--	--	--	--	--	--	--
Lead	15	MTCA A	--	--	--	--	--	--	--	--
Mercury	2	MTCA A	--	--	--	--	--	--	--	--
Nickel	320	MTCA B NCAR	--	--	--	--	--	--	--	--
Selenium	80	MTCA B NCAR	--	--	--	--	--	--	--	--
Silver	80	MTCA B NCAR	--	--	--	--	--	--	--	--
Zinc	4800	MTCA B NCAR	--	--	--	--	--	--	--	--
PCB Aroclors (ug/L)											
Aroclor 1016	1.12	MTCA B NCAR	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--
Aroclor 1254	0.0438	MTCA B CAR	--	--	--	--	--	--	--	--
Aroclor 1260	0.0438	MTCA B CAR	--	--	--	--	--	--	--	--
VOCs (ug/L)											
1,1,1,2-Tetrachloroethane	1.68	MTCA B CAR	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	MTCA A	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.219	MTCA B CAR	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.768	MTCA B CAR	--	--	--	--	--	--	--	--
1,1-Dichloroethane	7.68	MTCA B CAR	--	--	--	--	--	--	--	--
1,1-Dichloroethene	400	MTCA B NCAR	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	0.00146	MTCA B CAR	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	1.51	MTCA B CAR	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.0547	MTCA B CAR	--	--	--	--	--	--	--	--
1,2-Dibromoethane	0.01	MTCA A	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	MTCA B NCAR	--	--	--	--	--	--	--	--
1,2-Dichloroethane	5	MTCA A	--	--	--	--	--	--	--	--
1,2-Dichloropropane	1.22	MTCA B CAR	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	80	MTCA B NCAR	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	MTCA B CAR	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location:	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name:	MW01-GW-140618	FD-GW-140618	MW01-GW-091014	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816
		Collection Date:	06/18/2014	06/18/2014	09/10/2014	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016
		Collection Depth (ft bgs):	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source								
1,4-Dichlorobenzene	4800	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether	NV	NV	--	--	--	--	--	--	--	--
2-Chlorotoluene	160	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	640	MTCA B NCAR	--	--	--	--	--	--	--	--
Acetone	7200	MTCA B NCAR	--	--	--	--	--	--	--	--
Acrolein	4	MTCA B NCAR	--	--	--	--	--	--	--	--
Acrylonitrile	0.081	MTCA B CAR	--	--	--	--	--	--	--	--
Benzene	5	MTCA A	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--
Bromodichloromethane	0.706	MTCA B CAR	--	--	--	--	--	--	--	--
Bromoethane	NV	NV	--	--	--	--	--	--	--	--
Bromoform	5.54	MTCA B CAR	--	--	--	--	--	--	--	--
Bromomethane	11.2	MTCA B NCAR	--	--	--	--	--	--	--	--
Carbon disulfide	800	MTCA B NCAR	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.625	MTCA B CAR	--	--	--	--	--	--	--	--
Chlorobenzene	160	MTCA B NCAR	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	--	--	--	--	--	--	--	--
Chloroform	1.41	MTCA B CAR	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	16	MTCA B NCAR	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--
Dibromochloromethane	0.521	MTCA B CAR	--	--	--	--	--	--	--	--
Dibromomethane	80	MTCA B NCAR	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	1600	MTCA B NCAR	--	--	--	--	--	--	--	--
Ethylbenzene	700	MTCA A	--	--	--	--	--	--	--	--
Freon 113	240000	MTCA B NCAR	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	MTCA B CAR	--	--	--	--	--	--	--	--
Isopropylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--
m,p-Xylene	1000	MTCA A	--	--	--	--	--	--	--	--
Methyl iodide	NV	NV	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	20	MTCA A	--	--	--	--	--	--	--	--
Methylene chloride	5	MTCA A	--	--	--	--	--	--	--	--
Naphthalene	160	MTCA A	--	--	--	--	--	--	--	--
n-Butylbenzene	400	MTCA B NCAR	--	--	--	--	--	--	--	--
n-Hexane	480	MTCA B NCAR	--	--	--	--	--	--	--	--
n-Propylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--
o-Xylene	1600	MTCA B NCAR	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
			Sample Name:	MW01-GW-140618	FD-GW-140618	MW01-GW-091014	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816
			Collection Date:	06/18/2014	06/18/2014	09/10/2014	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016
			Collection Depth (ft bgs):	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source									
sec-Butylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--
Styrene	1600	MTCA B NCAR	--	--	--	--	--	--	--	--
tert-Butylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--
Tetrachloroethene	5	MTCA A	--	--	--	--	--	--	--	--
Toluene	1000	MTCA A	--	--	--	--	--	--	--	--
trans-1,2-dichloroethene	160	MTCA B NCAR	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	NV	NV	--	--	--	--	--	--	--	--
Trichloroethene	5	MTCA A	--	--	--	--	--	--	--	--
Trichlorofluoromethane	2400	MTCA B NCAR	--	--	--	--	--	--	--	--
Vinyl Acetate	8000	MTCA B NCAR	--	--	--	--	--	--	--	--
Vinyl chloride	0.2	MTCA A	--	--	--	--	--	--	--	--
SVOCs (ug/L)											
1,2,4-Trichlorobenzene	1.51	MTCA B CAR	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	720	MTCA B NCAR	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	8.1	MTCA B CAR	--	--	--	--	--	--	--	--
1-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	800	MTCA B NCAR	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	3.98	MTCA B CAR	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	24	MTCA B NCAR	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	160	MTCA B NCAR	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	32	MTCA B NCAR	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	0.282	MTCA B CAR	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	0.0583	MTCA B CAR	--	--	--	--	--	--	--	--
2-Chloronaphthalene	640	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Chlorophenol	40	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--
2-Methylphenol	400	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Nitroaniline	160	MTCA B NCAR	--	--	--	--	--	--	--	--
2-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	0.194	MTCA 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	MTCA B CAR	--	--	--	--	--	--	--	--
4-Chlorophenylphenyl ether	NV	NV	--	--	--	--	--	--	--	--
4-Methylphenol	800	MTCA B NCAR	--	--	--	--	--	--	--	--
4-Nitroaniline	NV	NV	--	--	--	--	--	--	--	--
4-Nitrophenol	NV	NV	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location:	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name:	MW01-GW-140618	FD-GW-140618	MW01-GW-091014	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816
		Collection Date:	06/18/2014	06/18/2014	09/10/2014	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016
		Collection Depth (ft bgs):	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source								
Acenaphthene	960	MTCA B NCAR	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--
Anthracene	4800	MTCA B NCAR	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	MTCA A	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--
Benzoic acid	64000	MTCA B NCAR	--	--	--	--	--	--	--	--
Benzyl alcohol	800	MTCA B NCAR	--	--	--	--	--	--	--	--
Bis(2-chloro-1-methylethyl)ether	0.625	MTCA B CAR	--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	NV	NV	--	--	--	--	--	--	--	--
Bis(2-chloroethyl)ether	0.0398	MTCA B CAR	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6.25	MTCA B CAR	--	--	--	--	--	--	--	--
Butylbenzylphthalate	46.1	MTCA B CAR	--	--	--	--	--	--	--	--
Carbazole	NV	NV	--	--	--	--	--	--	--	--
Chrysene	12	MTCA B CAR	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR	--	--	--	--	--	--	--	--
Dibenzofuran	16	MTCA B NCAR	--	--	--	--	--	--	--	--
Diethyl phthalate	12800	MTCA B NCAR	--	--	--	--	--	--	--	--
Dimethyl phthalate	NV	NV	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	1600	MTCA B NCAR	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	160	MTCA B NCAR	--	--	--	--	--	--	--	--
Fluoranthene	640	MTCA B NCAR	--	--	--	--	--	--	--	--
Fluorene	640	MTCA B NCAR	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0547	MTCA B CAR	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.561	MTCA B CAR	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	48	MTCA B NCAR	--	--	--	--	--	--	--	--
Hexachloroethane	1.09	MTCA B CAR	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--
Isophorone	46.1	MTCA B CAR	--	--	--	--	--	--	--	--
Naphthalene	160	MTCA A	--	--	--	--	--	--	--	--
Nitrobenzene	16	MTCA B NCAR	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	17.9	MTCA B CAR	--	--	--	--	--	--	--	--
N-Nitrosodipropylamine	0.0125	MTCA B CAR	--	--	--	--	--	--	--	--
Pentachlorophenol	0.219	MTCA B CAR	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--
Phenol	2400	MTCA B NCAR	--	--	--	--	--	--	--	--
Pyrene	480	MTCA B NCAR	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	MTCA B CAR	--	--	--	--	--	--	--	--
SVOCs by SIM (ug/L)										
1-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--
2-Methylnaphthalene	160	MTCA A	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

		Location:	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
		Sample Name:	MW01-GW-140618	FD-GW-140618	MW01-GW-091014	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816
		Collection Date:	06/18/2014	06/18/2014	09/10/2014	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016
		Collection Depth (ft bgs):	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source								
Acenaphthene	960	MTCA B NCAR	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--
Anthracene	4800	MTCA B NCAR	--	--	--	--	--	--	--	--
Benzo(a)anthracene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	MTCA A	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--
Benzo(j+k)fluoranthene	1.20	MTCA B CAR	--	--	--	--	--	--	--	--
Chrysene	12	MTCA B CAR	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR	--	--	--	--	--	--	--	--
Dibenzofuran	16	MTCA B NCAR	--	--	--	--	--	--	--	--
Fluoranthene	640	MTCA B NCAR	--	--	--	--	--	--	--	--
Fluorene	640	MTCA B NCAR	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--
Naphthalene	160	MTCA A	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--
Pyrene	480	MTCA B NCAR	--	--	--	--	--	--	--	--
Total Benzofluoranthenes	0.12	MTCA B CAR	--	--	--	--	--	--	--	--

Table 3a
Groundwater Analytical Results—AOC 1
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			Location:	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01
			Sample Name:	MW01-GW-140618	FD-GW-140618	MW01-GW-091014	FD-091014	MW01-GW-121014	FD-121014	MW01-GW-112816	MWDUP-GW-112816
			Collection Date:	06/18/2014	06/18/2014	09/10/2014	09/10/2014	12/10/2014	12/10/2014	11/28/2016	11/28/2016
			Collection Depth (ft bgs):	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5	3.5-13.5
	Groundwater CUL (ug/L)	CUL Source									
Hydrocarbon Identification (Presence/Absence)											
Gasoline-Range TPH	NA	NA		--	--	--	--	--	--	--	--
Diesel-Range TPH	NA	NA		--	--	--	--	--	--	--	--
Motor-Oil-Range TPH	NA	NA		--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)											
Gasoline-Range TPH	800	MTCA A		--	--	--	--	--	--		
Diesel-Range TPH	500	MTCA A		**1400**	**1700**	**1300**	**1400**	**2400**	**1900**	**1300**	**1300**
Motor-Oil-Range TPH	500	MTCA A		**310**	**350**	**300**	**390**	**1400**	**1200**	610 U	590 U
Calculated Totals											
cPAH TEQ by 8270	0.1	MTCA A		--	--	--	--	--	--	--	--
cPAH TEQ by 8270 SIM	0.1	MTCA A		--	--	--	--	--	--	--	--
Total naphthalenes by 8270	160	MTCA A		--	--	--	--	--	--	--	--
Total naphthalenes by 8270 SIM	160	MTCA A		--	--	--	--	--	--	--	--
Total PCBs	0.1	MTCA A		--	--	--	--	--	--	--	--
Total Xylenes	1000	MTCA A		--	--	--	--	--	--	--	--

Table 3b
Groundwater Analytical Results—AOCs 2 and 3, Other
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 2					AOC 3					Other		
Location:			GP16	GP34	GP52	GP53	GP54	GP05	GP09	GP50	GP51	GP53	GP02	GP04	GP17
Sample Name:			GP16-W-17.5	GP34-W-9.0	GP52-W-8.0	GP53-W-12.0	GP54-W-10.0	GP5-W-10	GP9-W-10	GP50-W-11.0	GP51-W-11.0	GP53-W-12.0	GP2-W-10	GP4-W-10	GP17-W-12.5
Collection Date:			12/02/2012	11/14/2016	11/17/2016	11/17/2016	11/17/2016	05/08/2012	05/08/2012	11/16/2016	11/16/2016	11/17/2016	05/06/2012	05/07/2012	12/03/2012
Collection Depth (ft bgs):			15.0-20.0	8.0-13.0	8.0-13.0	9.5-14.5	9.5-14.5	8.0-12.0	8.0-12.0	10.0-15.0	7.0-12.0	9.5-14.5	5.0-15.0	8.0-12.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source													
Dissolved Metals (ug/L)															
Arsenic	5	MTCA A	--	--	--	--	--	**1**	0.2 U	--	--	--	**0.5**	**0.3**	--
Barium	3200	MTCA B NCAR	--	--	--	--	--	**48.7**	**15.4**	--	--	--	**13.1**	**42.8**	--
Cadmium	5	MTCA A	--	--	--	--	--	**0.1**	0.1 U	--	--	--	0.1 U	0.1 U	--
Chromium	50	MTCA A	--	--	--	--	--	0.5 U	**0.8**	--	--	--	0.5 U	0.5 U	--
Lead	15	MTCA A	--	--	--	--	1 U	0.1 U	0.1 U	--	--	--	**0.1**	0.1 U	--
Mercury	2	MTCA A	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Selenium	80	MTCA B NCAR	--	--	--	--	--	2 U	0.5 U	--	--	--	0.5 U	0.5 U	--
Silver	80	MTCA B NCAR	--	--	--	--	--	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	--
VOCs (ug/L)															
1,1,1,2-Tetrachloroethane	1.68	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1,1-Trichloroethane	200	MTCA A	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1,2,2-Tetrachloroethane	0.219	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1,2-Trichloroethane	0.768	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1-Dichloroethane	7.68	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,1-Dichloroethene	400	MTCA 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	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
1,2,4-Trichlorobenzene	1.51	MTCA 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	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
1,2-Dibromoethane	0.01	MTCA A	--	--	--	--	0.0096 U	--	--	--	--	--	0.2 U	0.2 U	--
1,2-Dichlorobenzene	720	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,2-Dichloroethane	5	MTCA A	--	--	--	--	0.2 U	--	--	--	--	--	0.2 U	0.2 U	--
1,2-Dichloropropane	1.22	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,3,5-Trimethylbenzene	80	MTCA 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	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
1,4-Dichlorobenzene	4800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	5 U	5 U	--
2-Chloroethylvinyl ether	NV	NV	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--
2-Chlorotoluene	160	MTCA 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	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	5 U	5 U	--
Acetone	7200	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	5 U	5 U	--
Acrolein	4	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	5 U	5 U	--
Acrylonitrile	0.081	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--

Table 3b
Groundwater Analytical Results—AOCs 2 and 3, Other
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 2					AOC 3					Other		
Location:			GP16	GP34	GP52	GP53	GP54	GP05	GP09	GP50	GP51	GP53	GP02	GP04	GP17
Sample Name:			GP16-W-17.5	GP34-W-9.0	GP52-W-8.0	GP53-W-12.0	GP54-W-10.0	GP5-W-10	GP9-W-10	GP50-W-11.0	GP51-W-11.0	GP53-W-12.0	GP2-W-10	GP4-W-10	GP17-W-12.5
Collection Date:			12/02/2012	11/14/2016	11/17/2016	11/17/2016	11/17/2016	05/08/2012	05/08/2012	11/16/2016	11/16/2016	11/17/2016	05/06/2012	05/07/2012	12/03/2012
Collection Depth (ft bgs):			15.0-20.0	8.0-13.0	8.0-13.0	9.5-14.5	9.5-14.5	8.0-12.0	8.0-12.0	10.0-15.0	7.0-12.0	9.5-14.5	5.0-15.0	8.0-12.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source													
Benzene	5	MTCA A	--	--	--	--	0.2 U	--	--	--	**15 J**	--	0.2 U	0.2 U	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromodichloromethane	0.706	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromoethane	NV	NV	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromoform	5.54	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Bromomethane	11.2	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--
Carbon disulfide	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Carbon tetrachloride	0.625	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Chlorobenzene	160	MTCA 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	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
cis-1,2-Dichloroethene	16	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Dibromochloromethane	0.521	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Dibromomethane	80	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Dichlorodifluoromethane	1600	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	MTCA A	--	--	--	--	0.2 U	--	--	--	**480 J**	--	0.2 U	0.2 U	--
Freon 113	240000	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Hexachlorobutadiene	0.561	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
Isopropylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
m,p-Xylene	1000	MTCA A	--	--	--	--	0.4 U	--	--	--	**920 J**	--	0.4 U	0.4 U	--
Methyl iodide	NV	NV	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--
Methyl tert-butyl ether	20	MTCA A	--	--	--	--	0.2 U	--	--	--	--	--	--	--	--
Methylene chloride	5	MTCA A	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--
Naphthalene	160	MTCA A	--	--	--	--	--	--	--	--	--	--	0.5 U	0.5 U	--
n-Butylbenzene	400	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
n-Hexane	480	MTCA B NCAR	--	--	--	--	1 U	--	--	--	--	--	--	--	--
n-Propylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
o-Xylene	1600	MTCA B NCAR	--	--	--	--	0.2 U	--	--	--	**80 J**	--	0.2 U	0.2 U	--
sec-Butylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Styrene	1600	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
tert-Butylbenzene	800	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Tetrachloroethene	5	MTCA A	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Toluene	1000	MTCA A	--	--	--	--	1 U	--	--	--	**6.1 J**	--	0.2 U	0.2 U	--
trans-1,2-dichloroethene	160	MTCA 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	MTCA A	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Trichlorofluoromethane	2400	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--

Table 3b
Groundwater Analytical Results—AOCs 2 and 3, Other
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

			AOC 2					AOC 3					Other		
Location:			GP16	GP34	GP52	GP53	GP54	GP05	GP09	GP50	GP51	GP53	GP02	GP04	GP17
Sample Name:			GP16-W-17.5	GP34-W-9.0	GP52-W-8.0	GP53-W-12.0	GP54-W-10.0	GP5-W-10	GP9-W-10	GP50-W-11.0	GP51-W-11.0	GP53-W-12.0	GP2-W-10	GP4-W-10	GP17-W-12.5
Collection Date:			12/02/2012	11/14/2016	11/17/2016	11/17/2016	11/17/2016	05/08/2012	05/08/2012	11/16/2016	11/16/2016	11/17/2016	05/06/2012	05/07/2012	12/03/2012
Collection Depth (ft bgs):			15.0-20.0	8.0-13.0	8.0-13.0	9.5-14.5	9.5-14.5	8.0-12.0	8.0-12.0	10.0-15.0	7.0-12.0	9.5-14.5	5.0-15.0	8.0-12.0	10.0-15.0
	Groundwater CUL (ug/L)	CUL Source													
Vinyl Acetate	8000	MTCA B NCAR	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
Vinyl chloride	0.2	MTCA A	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--
SVOCs by SIM (ug/L)															
1-Methylnaphthalene	160	MTCA A	--	**72**	0.094 U	0.1 U	**0.9**	**0.07 J**	0.1 U	--	--	0.1 U	0.1 U	0.1 U	--
2-Methylnaphthalene	160	MTCA A	--	**88**	0.094 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	**0.05 J**	0.1 U	--
Acenaphthene	960	MTCA 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	MTCA B NCAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Benzo(a)anthracene	0.12	MTCA B CAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Benzo(a)pyrene	0.1	MTCA A	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Benzo(b)fluoranthene	0.12	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Benzo(j+k)fluoranthene	1.20	MTCA B CAR	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	12	MTCA B CAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Dibenzo(a,h)anthracene	0.012	MTCA B CAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Dibenzofuran	16	MTCA B NCAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Fluoranthene	640	MTCA B NCAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Fluorene	640	MTCA B NCAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Indeno(1,2,3-cd)pyrene	0.12	MTCA B CAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Naphthalene	160	MTCA A	--	**43**	0.094 U	**0.11**	**0.48**	**0.07 J**	0.1 U	--	--	**0.11**	0.1 U	0.1 U	--
Phenanthrene	NV	NV	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Pyrene	480	MTCA B NCAR	--	--	--	--	--	0.1 U	0.1 U	--	--	--	0.1 U	0.1 U	--
Total Benzofluoranthenes	0.12	MTCA B CAR	--	--	--	--	--	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	--
Hydrocarbon Identification (Presence/Absence)															
Gasoline-Range TPH	NA	NA	--	--	--	--	--	ND	ND	--	**DETECT**	--	--	--	--
Diesel-Range TPH	NA	NA	--	--	--	--	--	ND	ND	--	ND	--	--	--	--
Motor-Oil-Range TPH	NA	NA	--	--	--	--	--	ND	ND	--	ND	--	--	--	--
Total Petroleum Hydrocarbons (ug/L)															
Gasoline-Range TPH	800	MTCA A	250 U	--	--	--	**290**	--	--	--	**7400 J**	--	250 U	250 U	250 U
Diesel-Range TPH	500	MTCA A	100 U	**7400**	**270**	260 U	**1000**	--	--	280 U	--	260 U	100 U	100 U	110 U
Motor-Oil-Range TPH	500	MTCA A	200 U	770 U	410 U	420 U	420 U	--	--	440 U	--	420 U	200 U	200 U	220 U
Calculated Totals															
cPAH TEQ by 8270 SIM	0.1	MTCA A	--	--	--	--	--	ND	ND	--	--	--	ND	ND	--
Total naphthalenes by 8270 SIM	160	MTCA A	--	**137.5**	ND	**0.21**	**1.43**	**0.19 J**	ND	--	--	**0.21**	**0.225 J**	ND	--
Total PCBs	0.1	MTCA A	--		--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000	MTCA A	--	--	--	--	ND	--	--	--	**1000 J**	--	ND	ND	--

Section 3 Table Notes
Groundwater Analytical Results
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

NOTES:

CUL exceedances highlighted.

Detected concentrations were compared to MTCA A CULs or MTCA B CULs if no MTCA A value was available.

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.

AOC = area of concern.

cPAH TEQ = carcinogenic polycyclic aromatic hydrocarbon toxic equivalency quotient.

CUL = cleanup level.

EPH = extractable petroleum hydrocarbons.

ft bgs = feet below ground surface.

J = Result is an estimated value.

MTCA = Model Toxics and Control Act.

MTCA A = MTCA Method A, Table Value, CUL.

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

MTCA B NCAR = MTCA Method B Standard Formula Value, CUL for non-carcinogenic compounds.

NA = not applicable.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

SIM = selective ion monitoring.

SVOC = semivolatile organic compound.

TPH = total petroleum hydrocarbons.

U = Analyte not detected.

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

UR = Result is non-detect and rejected.

VOC = volatile organic compound.

Table 4
Whatcom Environmental Phase II ESA Soil Analytical Results
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

					AOC 1		AOC 3		Other
				Location:	B-1	B-2	B-8	B-9	B-3
				Sample Date:	11/15/2011	11/15/2011	11/15/2011	11/15/2011	11/15/2011
				Sample Depth Interval (ft bgs):	5	14	2	2	5
Analyte	Soil CUL (mg/kg)	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Natural Background (mg/kg)	CUL Source					
Metals (mg/kg)									
Arsenic	20	2.92	7	MTCA A	**4.6**	**2.4**	--	--	--
Cadmium	2	0.69	1	MTCA A	1 U	1 U	--	--	--
Chromium	2000	480000	42	MTCA A	**21**	**17**	--	--	--
Lead	250	3000	17	MTCA A	**520**	**2**	--	--	--
Mercury	2	2.09	0.07	MTCA A	**0.17**	0.02 U	--	--	--
PCBs (mg/kg)									
Aroclor 1016	1	NV	NA	MTCA A	0.5 U	0.1 U	--	--	--
Aroclor 1221	1	NV	NA	MTCA A	0.5 U	0.1 U	--	--	--
Aroclor 1232	1	NV	NA	MTCA A	0.5 U	0.1 U	--	--	--
Aroclor 1242	1	NV	NA	MTCA A	0.5 U	0.1 U	--	--	--
Aroclor 1248	1	NV	NA	MTCA A	0.5 U	0.1 U	--	--	--
Aroclor 1254	1	NV	NA	MTCA A	0.5 U	0.1 U	--	--	--
Aroclor 1260	1	NV	NA	MTCA A	**1.3**	0.1 U	--	--	--
VOCs (mg/kg)									
Benzene	0.03	0.0274	NA	MTCA A	0.7 U	0.3 U	--	--	0.021 U
Ethylbenzene	6	6.05	NA	MTCA A	**2.4**	0.5 U	--	--	0.036 U
Toluene	7	4.52	NA	MTCA A	1.2 U	0.5 U	--	--	0.036 U
Total Xylenes	9	14.4	NA	MTCA A	4.7 U	2 U	--	--	0.14 U

Table 4
Whatcom Environmental Phase II ESA Soil Analytical Results
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

					AOC 1		AOC 3		Other
				Location:	B-1	B-2	B-8	B-9	B-3
				Sample Date:	11/15/2011	11/15/2011	11/15/2011	11/15/2011	11/15/2011
				Sample Depth Interval (ft bgs):	5	14	2	2	5
Analyte	Soil CUL (mg/kg)	Soil CUL for GW Protection @ 13 degrees C (mg/kg)	Natural Background (mg/kg)	CUL Source					
SVOCs by 8270 SIM (mg/kg)									
Benzo(a)anthracene	1.4	0.86	NA	MTCA B CAR	**0.53**	**0.049**	**0.31**	**0.2**	--
Benzo(a)pyrene	0.1	2.33	NA	MTCA A	**0.4**	0.04 U	**0.21**	**0.18**	--
Chrysene	137	95.5	NA	MTCA B CAR	**0.71**	**0.28**	**0.33**	**0.24**	--
Dibenzo(a,h)anthracene	0.137	0.429	NA	MTCA B CAR	0.2 U	0.04 U	**0.046**	**0.1**	--
Indeno(1,2,3-cd)pyrene	1.37	8.32	NA	MTCA B CAR	**0.3**	0.04 U	**0.12**	**0.15**	--
Total Benzofluoranthenes	NV	NV	NA	NV	**0.64**	0.04 U	**0.4**	**0.34**	--
Total Petroleum Hydrocarbons (mg/kg)									
Diesel-Range TPH	2000	NV	NA	MTCA A	**16,000**	**2,400**	--	--	25 U
Lube-Oil-Range TPH	2000	NV	NA	MTCA A	**32,000**	**1,900**	--	--	50 U
Gasoline-Range TPH	30	NV	NA	MTCA A	**810**	**750**	--	--	2 U
Calculated Totals (mg/kg)									
cPAH TEQ by 8270 SIM	0.1	2.33	NA	MTCA A	**0.56**	**0.03**	**0.301**	**0.261**	--
Total PCBs	1	NV	NA	MTCA A	**2.8**	ND	--	--	--

Table 4
Whatcom Environmental Phase II ESA Soil Analytical Results
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

NOTES:

Detected concentrations were compared to MTCA A, Unrestricted Land Use, CULs or MTCA B CULs if no MTCA A value was available.

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."

Exceedances of both the soil CUL and the CUL protective of groundwater are shaded gray.

Exceedances of only the soil CUL are shaded green.

Natural background soil metals concentrations for Washington State from Ecology's soil natural background guidance (Ecology, 1994) are also provided . If the natural background concentration was greater than the soil CUL and/or the CUL protective of groundwater, the natural background concentration was used as the CUL.

-- = 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.

Degrees C = degrees Celsius.

Ecology = Washington State Department of Ecology.

ESA = environmental site assessment.

ft bgs = feet below ground surface.

GW = groundwater.

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

MTCA = Model Toxics Control Act.

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

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

NA = not available.

ND = not detected.

NV = no value.

PCB = polychlorinated biphenyl.

SVOC = semivolatile organic compound.

TPH = total petroleum hydrocarbons.

ug/kg = micrograms per kilogram (parts per billion).

VOC = volatile organic compound.

Table 5
Whatcom Environmental Groundwater Analytical Results
VSF Properties, LLC, North Cascade Ford Property
Sedro-Woolley, Washington

			AOC 1		AOC 4
		Location:	B-1	B-2	B-7
		Collection Date:	11/15/2011	11/15/2011	11/15/2011
		Collection Depth (ft bgs):	NA	NA	NA
Analytes	**Groundwater CUL (ug/L)**	**CUL Source**			
VOCs (ug/L)					
Benzene	5	MTCA A	1 U	**1.2**	1 U
Ethylbenzene	700	MTCA A	1 U	1 U	**22**
Toluene	1000	MTCA A	1 U	**2.4**	1 U
Total Xylenes	1000	MTCA A	3 U	**5.3**	**25**
Total Petroleum Hydrocarbons (ug/L)					
Gasoline-Range TPH	800	MTCA A	**200**	**1,400**	**3,500**
Diesel-Range TPH	500	MTCA A	**430**	**13,000**	**380**
Motor-Oil-Range TPH	500	MTCA A	250 U	**8,600**	250 U

NOTES:

CUL exceedances highlighted.

Detected concentrations were compared to MTCA A CULs or MTCA B CULs if no MTCA A value was available.

Detections in **bold.**

AOC = area of concern.

CUL = cleanup level.

ft bgs = feet below ground surface.

MTCA = Model Toxics Control Act.

MTCA A = MTCA Method A, Table Value, CUL.

NA = not available.

TPH = total petroleum hydrocarbons.

U = Analyte not detected.

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

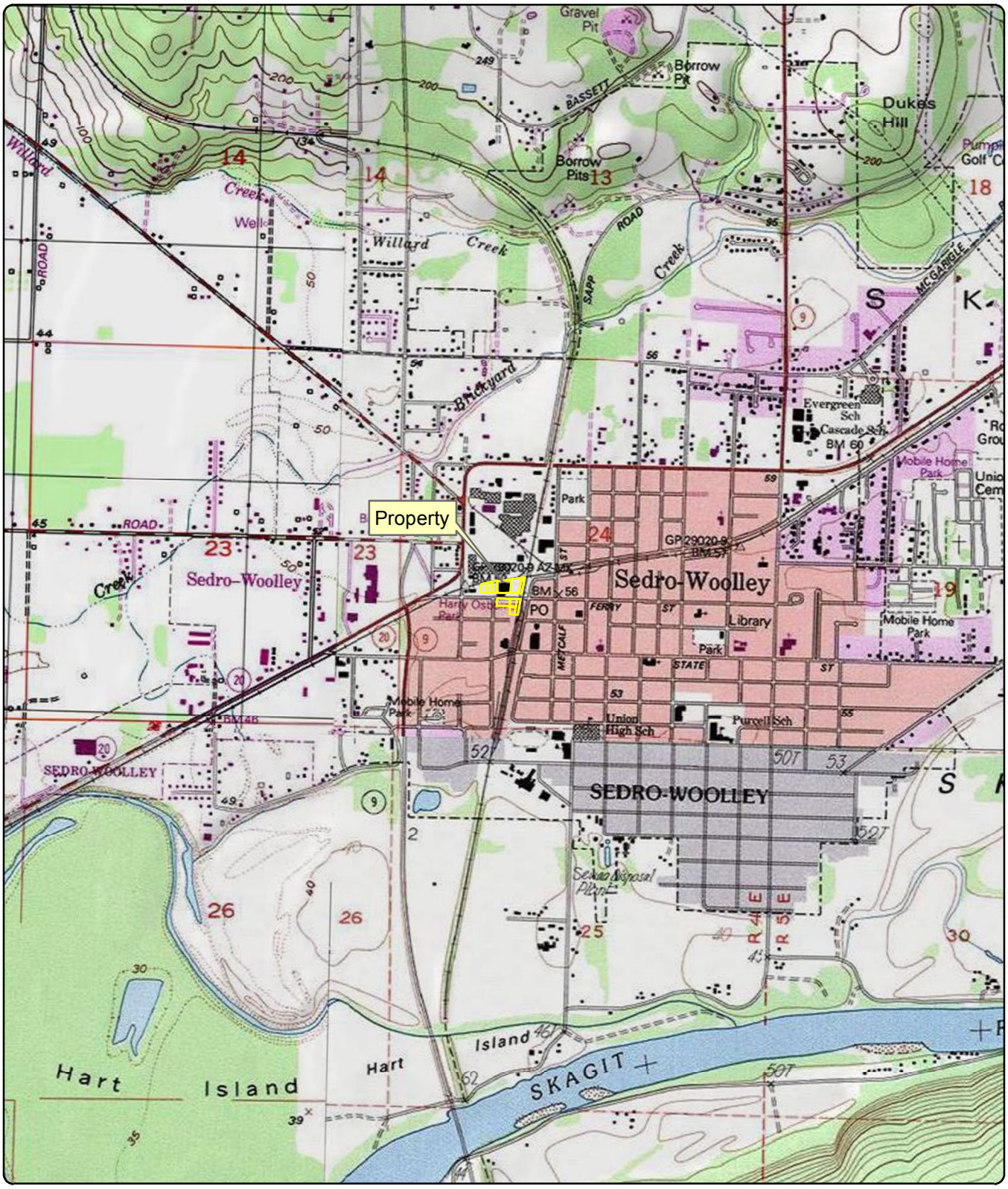
VOC = volatile organic compound.

Table 6
Geochemical Analytical Results
VSF Properties, LLC, North Cascade Ford Property Investigation
Sedro-Woolley, Washington

	AOC 1							
Location:	GP10	GP10	GP10	GP11	GP12	GP12	GP38	MW01
Sample Name:	GP-10-W-7.5	GPDUP-W-7.5	GP10-W-16.5	GP11-W-17.5	GP12-W-7.5	GP12-W-25.5	GP38-W-11.0	MW01-GW-112816
Collection Date:	12/03/2012	12/03/2012	12/03/2012	12/02/2012	12/02/2012	12/02/2012	11/15/2016	11/28/2016
Collection Depth (ft bgs):	5-10	5-10	14-19	15-20	5-10	23-28	10.0-15.0	3.5-13.5
Geochemical Parameters (ug/L)								
Calcium, total	--	--	--	--	--	--	**26000**	**40000**
Chloride	--	--	--	--	--	--	**75000**	**5100**
Iron, dissolved	**3400 J**	**3490 J**	**13800 J**	**22800 J**	**1110 J**	**11100 J**	**24000**	**27000**
Magnesium, total	--	--	--	--	--	--	**7100**	**5500**
Manganese, total	--	--	--	--	--	--	**820**	**860**
Methane, dissolved	--	--	--	--	--	--	**3600**	**490**
Nitrate(as nitrogen)	--	--	--	--	--	--	50 U	50 U
Nitrite(as nitrogen)	--	--	--	--	--	--	20 U	20 U
Orthophosphate	--	--	--	--	--	--	**140**	**81**
Phosphorus, total	--	--	--	--	--	--	**290**	**91**
Sulfate	--	--	--	--	--	--	5000 U	5000 U
Total Organic Carbon	--	--	--	--	--	--	**9900**	**12000**

NOTES:
Detections in **bold.**
-- = not analyzed.
AOC = area of concern.
ft bgs = feet below ground surface.
J = Result is an estimated value.
U = Analyte not detected.
ug/L = micrograms per liter (parts per billion).

FIGURES



Site 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
Property Location

North Cascade Ford Property
Sedro-Woolley, Washington

0 750 1,500
Feet

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Produced By: cwise
Project: 0747.01.06

Figure 2
Sample Locations

North Cascade Ford Property
Sedro-Woolley, Washington



Legend

- Gas Line
- Water Line
- Excavation Extent
- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Monitoring Well Location (Decommissioned)
- Phase II ESA Boring Location (Whatcom Environmental Services)
- Phase II ESA Boring Location (Whatcom Environmental Services) (no longer representative)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. AST = aboveground storage tank.
2. BNSF = Burlington Northern Santa Fe Railway.
3. ESA = environmental site assessment.
4. MFA = Maul Foster & Alongi, Inc.
5. 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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Figure 3
Area of Concern 1
Total Petroleum Hydrocarbons in Soil

North Cascade Ford Property
Sedro-Woolley, Washington

Cleanup Levels	
Analyte	MTCA Method A, Unrestricted Land Use
GRO	30
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
GRO	**1,300 J**	40 U	**100 J**
DRO	**8,100**	**2,600**	**300**
ORO	**31,000**	**1,700**	**230**

Loc ID.	GP39		
Date	11/15/2016		
Depth	3.0 -3.6	5.5 - 6.5	7.5 - 8.5
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	
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
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	
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
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.	GP50		
Date	11/16/2016		
Depth	1.0 - 1.75	6.3 - 7.3	13.0 - 14.0
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.	GP40		
Date	11/15/2016		
Depth	3.0 - 4.0	5.5 - 6.5	10.0 - 11.0
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
GRO	10 UJ	8.4 UJ	9.2 UJ
DRO	**210**	34 U	36 U
ORO	**500**	68 U	**210**

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

Loc ID.	GP41		
Date	11/15/2016		
Depth	2.0 - 2.8	5.5 - 6.5	8.0 - 9.0
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
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.	GP17	
Date	12/3/2012	
Depth	8.0 - 11.0	
GRO	NS	
DRO	**13**	
ORO	**51**	

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

Puddles with Sheen

Former 500 gallon Waste Oil AST

Former 10,000 gallon Oil AST

Legend

- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in milligrams per kilogram (parts per million).
3. Detected values that only exceed the MTCA A CUL are highlighted green.
4. Detections are shown in bold.
5. Grayed out locations were not sampled for soil.
6. Soil CULs for GW protection are not available for GRO, DRO, or ORO.
7. AST = aboveground storage tank.
8. BNSF = Burlington Northern Santa Fe Railway.
9. CUL = cleanup level.
10. DRO = diesel-range organics.
11. ESA = environmental site assessment.
12. GRO = gasoline-range organics.
13. GW = groundwater.
14. J = result is an estimated value.
15. Loc. ID = location identification.
16. MFA = Maul Foster & Alongi, Inc.
17. MTCA = Model Toxics Control Act.
18. ND = not detected.
19. NS = not sampled for the analyte(s) described in figure.
20. ORO = oil-range organics.
21. 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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Figure 4
Area of Concern 1
VOCs in Soil

North Cascade Ford Property
Sedro-Woolley, Washington

Cleanup Levels		
Analyte	MTCA Method A, Unrestricted Land Use	Soil CUL for GW Protection @ 13 degrees C
Bromomethane	112	0.0503
1,4-Dichlorobenzene	185	1.23
Chlorobenzene	1,600	0.862
Methylene chloride	0.02	0.0215

Loc ID.	GP38
Date	11/15/2016
Depth	4.0 - 5.0
Bromomethane	0.066 U
1,4-Dichlorobenzene	0.066 U
Chlorobenzene	0.066 U
Methylene chloride	0.066 U

Loc ID.	GP01
Date	5/6/2012
Depth	1.0 - 3.4
Bromomethane	**0.034 J**
1,4-Dichlorobenzene	**1.8**
Chlorobenzene	**2.9**
Methylene chloride	**0.2**

Loc ID.	MW01
Date	5/7/2012
Depth	1.2 - 5.0
Bromomethane	0.0012 U
1,4-Dichlorobenzene	0.0012 U
Chlorobenzene	0.0012 U
Methylene chloride	**0.005**

Loc ID.	GP10
Date	12/3/2012
Depth	1.3 -2.8
Bromomethane	0.0015 U
1,4-Dichlorobenzene	0.0015 U
Chlorobenzene	0.0015 U
Methylene chloride	**0.0043**

Loc ID.	GP11
Date	12/2/2012
Depth	0.5 - 2.0
Bromomethane	**0.087**
1,4-Dichlorobenzene	**0.28**
Chlorobenzene	**0.23**
Methylene chloride	0.13 U

Loc ID.	GP37		
Date	11/14/2016		
Depth	5.8 - 6.2	8.3 - 8.7	10.8 - 11.2
Bromomethane	0.07 U	0.002 U	0.002 U
1,4-Dichlorobenzene	0.07 U	0.002 U	0.002 U
Chlorobenzene	0.07 U	**0.016**	**0.003**
Methylene chloride	0.7 U	0.02 U	0.02 U

Loc ID.	GP41
Date	11/15/2016
Depth	2.0 - 2.8
Bromomethane	0.0014 U
1,4-Dichlorobenzene	0.0014 U
Chlorobenzene	0.0014 U
Methylene chloride	0.0014 U

Loc ID.	GP13
Date	12/2/2012
Depth	0.5-2.7
Bromomethane	0.0014 U
1,4-Dichlorobenzene	0.0014 U
Chlorobenzene	0.0014 U
Methylene chloride	**0.0043**

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

Puddles with Sheen

Former 10,000 gallon Oil AST

Former 500 gallon Waste Oil AST

Legend

- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in milligrams per kilogram (parts per million).
3. Detected values are bolded.
4. Detected values that only exceed the CUL for protection of GW are highlighted blue.
5. Detected values that exceed both the CUL for protection of GW and the MTCA A CUL are highlighted purple.
6. Grayed out locations were not sampled for soil.
7. Only VOCs with a detection exceeding a CUL are shown.
8. AST = aboveground storage tanks.
9. C = Celsius.
10. CUL = cleanup level.
11. BNSF = Burlington Northern Santa Fe Railway.
12. ESA = environmental site assessment.
13. GW = groundwater.
14. J = result is an estimated value.
15. Loc. ID = location identification.
16. MTCA = Model Toxics Control Act.
17. MFA = Maul Foster & Alongi, Inc.
18. NS = not sampled for analyte(s) described in figure.
19. U = analyte not detected at or above the method reporting limit.
20. VOCs = volatile organic compounds.

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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Print Date: 1/19/2017

Approved By: H. Good

Produced By: cwise

Project: 0747.01.06

Cleanup Levels			
Analyte	MTCA Method A, Unrestricted Land Use	Soil CUL for GW Protection @ 13 degrees C	Natural Background
cPAH TEQ	0.1	2.33	NA
Lead	250	3,000	17
Total Naphth.	5	4.46	NA
Total PCBs	1	NA	NA

Loc ID.	GP44		
Date	11/16/2016		
Depth	3.2 - 3.8	6.0 - 6.5	10.2 - 10.6
cPAH TEQ	**0.227**	**0.007**	ND
Lead	NS	NS	NS
Total Naphth.	**20.73**	**8.97**	**0.383**
Total PCBs	NS	NS	NS

Loc ID.	GP43		
Date	11/15/2016		
Depth	1.25 - 1.75	6.5 - 7.1	13.0 - 14.0
cPAH TEQ	**0.2**	**0.087**	ND
Lead	NS	NS	NS
Total Naphth.	**0.298**	**4.18**	ND
Total PCBs	NS	NS	NS

Loc ID.	GP50		
Date	11/16/2016		
Depth	1.0 - 1.75	6.3 - 7.3	13.0 - 14.0
cPAH TEQ	**0.076**	ND	ND
Lead	**310**	6.7 U	6.5 U
Total Naphth.	**0.4**	ND	ND
Total PCBs	NS	NS	NS

Loc ID.	GP38		
Date	11/15/2016		
Depth	4.0 - 5.0	5.0 - 6.0	7.0 - 8.0
cPAH TEQ	ND	ND	ND
Lead	6.6 U	NS	NS
Total Naphth.	ND	ND	ND
Total PCBs	ND	NS	NS

Loc ID.	GP01		
Date	5/6/2012		
Depth	1.0 - 3.4		
cPAH TEQ	**0.19**		
Lead	**28.8**		
Total Naphth.	**20**		
Total PCBs	**1.4**		

Loc ID.	GP39		
Date	11/15/2016		
Depth	3.0 -3.6	5.5 - 6.5	7.5 - 8.5
cPAH TEQ	ND	ND	ND
Lead	NS	NS	NS
Total Naphth.	ND	ND	ND
Total PCBs	NS	NS	NS

Loc ID.	B-1		
Date	11/15/2011		
Depth	5		
cPAH TEQ	**0.56**		
Lead	**520**		
Total Naphth.	NS		
Total PCBs	**2.8**		

Loc ID.	MW01		
Date	5/7/2012		
Depth	1.2 - 5.0		
cPAH TEQ	**0.0033**		
Lead	**7.9**		
Total Naphth.	**0.087 J**		
Total PCBs	ND		

Loc ID.	B-2		
Date	11/15/2011		
Depth	14		
cPAH TEQ	**0.03**		
Lead	**2**		
Total Naphth.	NS		
Total PCBs	ND		

Loc ID.	GP10		
Date	12/3/2012		
Depth	1.3 -2.8		
cPAH TEQ	**0.2**		
Lead	NS		
Total Naphth.	**0.16**		
Total PCBs	ND		

Loc ID.	GP40		
Date	11/15/2016		
Depth	3.0 - 4.0	5.5 - 6.5	10.0 - 11.0
cPAH TEQ	ND	ND	ND
Lead	NS	NS	NS
Total Naphth.	ND	ND	ND
Total PCBs	NS	NS	NS

Loc ID.	GP11	
Date	12/2/2012	
Depth	0.5 - 2.0	
cPAH TEQ	**0.052**	
Lead	NS	
Total Naphth.	**1.1**	
Total PCBs	**0.34**	

Loc ID.	GP37		
Date	11/14/2016		
Depth	5.8 - 6.2	8.3 - 8.7	10.8 - 11.2
cPAH TEQ	**0.28**	ND	ND
Lead	6 U	7.2 U	7.4 U
Total Naphth.	**28**	**0.0206**	**0.0209**
Total PCBs	**0.42**	ND	ND

Loc ID.	GP42		
Date	11/15/2016		
Depth	1.0 - 2.2	5.8 - 6.8	12.0 - 13.0
cPAH TEQ	**0.35**	ND	ND
Lead	NS	NS	NS
Total Naphth.	**1.64**	ND	ND
Total PCBs	NS	NS	NS

Loc ID.	GP41		
Date	11/15/2016		
Depth	2.0 - 2.8	5.5 - 6.5	8.0 - 9.0
cPAH TEQ	ND	ND	ND
Lead	NS	NS	NS
Total Naphth.	ND	ND	ND
Total PCBs	NS	NS	NS

Loc ID.	GP02	
Date	5/6/2012	
Depth	0.0 - 2.2	
cPAH TEQ	NS	
Lead	**163**	
Total Naphth.	NS	
Total PCBs	NS	

Loc ID.	GP13	
Date	12/2/2012	
Depth	0.5-2.7	
cPAH TEQ	ND	
Lead	NS	
Total Naphth.	**0.0072 J**	
Total PCBs	ND	

Loc ID.	GP36		
Date	11/14/2016		
Depth	4.8 - 5.2	6.8 - 7.2	8.8 - 9.2
cPAH TEQ	ND	ND	ND
Lead	NS	NS	NS
Total Naphth.	ND	ND	ND
Total PCBs	NS	NS	NS

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

Puddles with Sheen

Former 10,000 gallon Oil AST

Former 500 gallon Waste Oil AST

Figure 5
Area of Concern 1
cPAHs, Lead, PCBs, and Total Naphth. in Soil

North Cascade Ford Property
Sedro-Woolley, Washington

Legend

- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in milligrams per kilogram (parts per million).
3. Detected values are bolded.
4. Detected values that only exceed the MTCA A CUL are highlighted green.
5. Detected values that exceed both the MTCA A CUL and CUL for protection of GW are highlighted purple.
6. Grayed out locations were not sampled for soil.
7. Natural background soil metals concentrations for Washington State were obtained from Ecology's soil natural background guidance (Ecology, 1994). For metals where the natural background concentration is greater than a CUL, the natural background concentration is used as the CUL.
8. The higher of the PAH concentrations from the 8270 and 8270 SIM methods is displayed, where applicable.
9. AST = aboveground storage tank.
10. BNSF = Burlington Santa Fe Railway.
11. C = Celsius.
12. cPAHs = carcinogenic polycyclic aromatic hydrocarbons.
13. CUL = cleanup level.
14. Ecology = Washington State Department of Ecology.
15. ESA = environmental site assessment.
16. GW = groundwater.
17. J = result is estimated.
18. Loc. ID = location identification.
19. MTCA = Model Toxics Control Act.
20. MFA = Maul Foster & Alongi, Inc.
21. NA = not available.
22. Naphth. = naphthalenes.
23. ND = not detected.
24. NS = not sampled for analytes described in figure.
25. PAH = polycyclic aromatic hydrocarbons.
26. PCBs = polychlorinated biphenyls.
27. TEQ = toxic equivalency quotient.
28. 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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Figure 6
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
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	10.0 - 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	5.0 - 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.	GP48
Date	11/16/2016
Depth	10.0 - 15.0
GRO	NS
DRO	280 U
ORO	450 U

Loc ID.	GP10	
Date	12/3/2012	
Depth	5.0 - 10.0	5.0 - 10.0
GRO	250 U	250 U
DRO	100 U	100 U
ORO	200 U	210 U

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

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

Loc ID.	GP12	
Date	12/2/2012	
Depth	5.0 - 10.0	23.0 - 28.0
GRO	250 U	NS
DRO	**710**	100 UJ
ORO	**400**	200 UJ

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

Loc ID.	GP37
Date	11/14/2016
Depth	9.0 - 14.0
GRO	**400**
DRO	**1,500**
ORO	**880**

Loc ID.	MW01	
Date	11/28/2016	
Depth	3.5 - 13.5	
GRO	NS	NS
DRO	**1,300**	**1,300**
ORO	610 U	590 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	10.0 - 15.0
GRO	NS
DRO	280 U
ORO	440 U

Loc ID.	GP40
Date	11/15/2016
Depth	6.0 - 11.0
GRO	NS
DRO	260 U
ORO	410 U

Loc ID.	GP41
Date	11/15/2016
Depth	10.0 - 15.0
GRO	NS
DRO	260 U
ORO	420 U

Loc ID.	GP02
Date	5/6/2012
Depth	5.0 - 15.0
GRO	250 U
DRO	100 U
ORO	200 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 10,000 gallon Oil AST

Former 500 gallon Waste Oil AST

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

Legend

- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in micrograms per liter (parts per billion).
3. Detected values are bolded.
4. Detected values that only exceed the MTCA 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. DRO = diesel-range organics.
10. ESA = environmental site assessment.
11. GRO = gasoline-range organics.
12. J = result is an estimated value.
13. Loc. ID = location identification.
14. MFA = Maul Foster & Alongi, Inc.
15. MTCA = Model Toxics Control Act.
16. NA = not available.
17. NS = not sampled for analyte(s) described in the figure.
18. ORO = oil-range organics.
19. 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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Produced By: cwise
Project: 0747.01.06

Figure 7
Area of Concern 1
VOCs in Groundwater

North Cascade Ford Property
Sedro-Woolley, Washington

Cleanup Levels	
Analyte	MTCA Method A, Unrestricted Land Use
1,2,3-Trichloropropane	0.00146
1,4-Dichlorobenzene	8.1
Chlorobenzene	160

Loc ID.	GP38
Date	11/15/2016
Depth	10.0 - 15.0
1,2,3-Trichloropropane	1 U
1,4-Dichlorobenzene	**2.3**
Chlorobenzene	**120**

Loc ID.	GP01
Date	5/6/2012
Depth	5.0 - 10.0
1,2,3-Trichloropropane	**0.4 J**
1,4-Dichlorobenzene	**50**
Chlorobenzene	**340**

Loc ID.	GP12	
Date	12/2/2012	
Depth	5.0 - 10.0	23.0 - 28.0
1,2,3-Trichloropropane	0.5 U	0.5 UR
1,4-Dichlorobenzene	0.2 U	0.2 UR
Chlorobenzene	**0.2**	0.2 UR

Loc ID.	GP10
Date	12/3/2012
Depth	5.0 - 10.0
1,2,3-Trichloropropane	0.5 U
1,4-Dichlorobenzene	0.2 U
Chlorobenzene	0.2 U

Loc ID.	MW01	
Date	5/15/2012	
Depth	3.5 - 13.5	
1,2,3-Trichloropropane	0.5 U	0.5 U
1,4-Dichlorobenzene	0.2 U	0.2 U
Chlorobenzene	**4.6**	**4.8**

Loc ID.	GP11
Date	12/2/2012
Depth	15.0 - 20.0
1,2,3-Trichloropropane	0.5 U
1,4-Dichlorobenzene	**0.52**
Chlorobenzene	**49**

Loc ID.	GP37
Date	11/14/2016
Depth	9.0 - 14.0
1,2,3-Trichloropropane	0.2 U
1,4-Dichlorobenzene	**1.2**
Chlorobenzene	**53**

Loc ID.	GP02
Date	5/6/2012
Depth	5.0 - 15.0
1,2,3-Trichloropropane	0.5 U
1,4-Dichlorobenzene	0.2 U
Chlorobenzene	0.2 U

Loc ID.	GP04
Date	5/7/2012
Depth	8.0 - 12.0
1,2,3-Trichloropropane	0.5 U
1,4-Dichlorobenzene	0.2 U
Chlorobenzene	0.2 U

GP45 NS
GP46 NS
GP47 NS
Puddles with Sheen
GP01
GP44 NS
B-1 NS
GP43 NS
B-2 NS
GP48 NS
GP12
GP39 NS
MW01
Former 10,000 gallon Oil AST
SV1
GP38
Former 500 gallon Waste Oil AST
GP11
GP37
GP10
GP13
GP50 NS
GP40 NS
GP42 NS
GP36 NS
B-3
GP41 NS
GP02
GP04
GP17 NS

Legend

- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels
- Sub-slab Soil Vapor Probe
- Monitoring Well Location
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in micrograms per liter (parts per billion).
3. Detected values are bolded.
4. Detected values that only exceed the MTCA A CUL are highlighted green.
5. Grayed out boring locations were not sampled for groundwater.
6. Only VOCs with a detection exceeding a CUL are shown.
7. AST = aboveground storage tank.
8. BNSF = Burlington Northern Santa Fe Railway.
9. CUL = cleanup level.
10. ESA = environmental site assessment.
11. J = result is an estimated value.
12. Loc. ID = location identification.
13. MFA = Maul Foster & Alongi, Inc.
14. MTCA = Model Toxics Control Act.
15. NS = not sampled for analyte(s) described in figure.
16. R = result is rejected.
17. U = analyte not detected at or above the method reporting limit.
18. VOCs = volatile organic compounds.

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 8
Area of Concern 2
DRO and Total Naphth. in Soil

North Cascade Ford Property
Sedro-Woolley, Washington

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

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

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

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

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

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

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

GP03
NS
GP16
GP35
GP34
GP33
WSW02
NSW02
B-4
B-5
MW02
GP52
GP54
GP57
GP53

Former 1,000 gallon Heating Oil UST

Former 1,000 gallon Leaded Gasoline UST

FERRY STREET

Cleanup Levels		
Analyte	MTCA Method A, Unrestricted Land Use	Soil CUL for GW Protection @ 13 degrees C
DRO	2,000	NA
Total Naphth.	5	4.46

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in milligrams per kilogram (parts per million).
3. 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.
4. Detected values that exceed both the MTCA A CUL and the CUL for protection of GW are highlighted purple.
5. Detected values that only exceed the MTCA A CUL are highlighted green.
6. Grayed out locations were not sampled for soil.
7. The higher of the PAH concentrations from the 8270 and 8270 SIM methods is displayed, where applicable.
8. C = Celsius.
9. CUL = cleanup level.
10. DRO = diesel-range organics.
11. ESA = environmental site assessment.
12. GW = groundwater.
13. J = result is an estimated value.
14. Loc. ID = location identification.
15. MTCA = Model Toxics Control Act.
16. NA = not available.
17. ND = not detected.
18. Naphth. = naphthalenes.
19. NS = not sampled for the analyte(s) described in figure.
20. PAH = polycyclic aromatic hydrocarbons.
21. U = analyte not detected at or above the method reporting limit.
22. UST = underground storage tank.

Legend

- Excavation Extent
- Property Parcel
- Skagit County Parcels
- Former Product Line

Sample Location

- Monitoring Well (Decommissioned)
- Phase II ESA Boring Location (Whatcom Environmental Services)
- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

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: 0747.01.06



Figure 9
Area of Concern 2
DRO in Groundwater

North Cascade Ford Property
Sedro-Woolley, Washington

Legend

- Excavation Extent
- Property Parcel
- Skagit County Parcels
- Former Product Line

Sample Location

- Monitoring Well (Decommissioned)
- Phase II ESA Boring Location* (no longer representative)
- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in micrograms per liter (parts per billion).
3. Detected values are bolded.
4. Detected values that only exceed the MTCA A CUL are highlighted green.
5. Grayed out locations were not sampled for groundwater.
6. The MTCA A CUL for DRO is 500 micrograms per liter.
7. The following boring locations contain data from groundwater that has since been removed during an interim action and were therefore excluded: B-4, B-5, and MW02.
8. CUL = cleanup level.
9. DRO = diesel-range organics.
10. ESA = environmental site assessment.
11. MFA = Maul Foster & Alongi, Inc.
12. MTCA = Model Toxics Control Act.
13. U = analyte not detected at or above the method reporting limit.
14. UST = underground storage tank.

*Boring completed by Whatcom Environmental Services. All other sample locations completed by MFA.

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 10
Area of Concern 3
Metals and PAHs in Soil-North Parcels

North Cascade Ford Property
Sedro-Woolley, Washington

Loc ID.	B-2
Date	11/15/2011
Depth	5
cPAH TEQ	**0.03**
Total Naphth.	NS
Arsenic	**2.4**
Cadmium	1 U
Lead	**2**

Loc ID.	GP50		
Date	11/16/2016		
Depth	1.0 - 1.75	6.3 - 7.3	13.0- 14.0
cPAH TEQ	**0.076**	ND	ND
Total Naphth.	**0.4**	ND	ND
Arsenic	12 U	13 U	13 U
Cadmium	0.62 U	0.67 U	0.65 U
Lead	**310**	6.7 U	6.5 U

Loc ID.	GP19
Date	12/3/2012
Depth	0.3 - 3.1
cPAH TEQ	**0.066**
Total Naphth.	**3.1**
Arsenic	**2.1**
Cadmium	0.3 U
Lead	**14**

Loc ID.	B-8
Date	11/15/2011
Depth	2
cPAH TEQ	**0.301**
Total Naphth.	NS
Arsenic	NS
Cadmium	NS
Lead	NS

Loc ID.	GP61
Date	11/17/2016
Depth	1.3 - 1.7
cPAH TEQ	ND
Total Naphth.	ND
Arsenic	11 U
Cadmium	0.53 U
Lead	**6.4**

Loc ID.	GP05	
Date	5/8/2012	
Depth	1.5 - 2.6	5.0 - 6.3
cPAH TEQ	**12**	**0.0034 J**
Total Naphth.	**6.2**	**0.0076 J**
Arsenic	**26.4**	**2**
Cadmium	**1.9**	0.1 U
Lead	**452**	**2**

Loc ID.	GP42		
Date	11/15/2016		
Depth	1.0 - 2.2	5.8 - 6.8	12.0 - 13.0
cPAH TEQ	**0.35**	ND	ND
Total Naphth.	**1.64**	ND	ND
Arsenic	NS	NS	NS
Cadmium	NS	NS	NS
Lead	NS	NS	NS

Loc ID.	GP25
Date	12/3/2012
Depth	0.6 - 1.6
cPAH TEQ	**0.23**
Total Naphth.	**0.61**
Arsenic	**7.9**
Cadmium	**0.9**
Lead	**70**

Loc ID.	GP22
Date	12/3/2012
Depth	1.3 - 2.3
cPAH TEQ	**1.6**
Total Naphth.	**2.6**
Arsenic	**6.9**
Cadmium	**2.1**
Lead	**172**

Loc ID.	GP24
Date	12/3/2012
Depth	0.3 - 1.2
cPAH TEQ	**2.5**
Total Naphth.	**5.4**
Arsenic	**9.2**
Cadmium	**3.3**
Lead	**111**

Loc ID.	GP51		
Date	11/16/2016		
Depth	1.2 - 1.7	2.7 - 3.0	7.1 - 7.8
cPAH TEQ	NS	NS	NS
Total Naphth.	NS	NS	NS
Arsenic	NS	NS	NS
Cadmium	NS	NS	NS
Lead	NS	6.5 U	5.5 U

Loc ID.	GP23
Date	12/3/2012
Depth	0.4 - 1.4
cPAH TEQ	**0.083**
Total Naphth.	**0.3**
Arsenic	**2.2**
Cadmium	**0.6**
Lead	**33**

Loc ID.	GP60
Date	11/17/2016
Depth	1.8 - 2.6
cPAH TEQ	**0.04**
Total Naphth.	**0.399**
Arsenic	11 U
Cadmium	0.57 U
Lead	**42**

Loc ID.	GP57
Date	11/17/2016
Depth	0.5 - 1.3
cPAH TEQ	**0.015**
Total Naphth.	**0.204**
Arsenic	12 U
Cadmium	0.58 U
Lead	**16**

Loc ID.	GP53
Date	11/17/2016
Depth	0.0 - 1.6
cPAH TEQ	**0.093**
Total Naphth.	**0.92**
Arsenic	12 U
Cadmium	0.6 U
Lead	**72**

Loc ID.	GP58	
Date	11/17/2016	
Depth	0.7 - 1.7	2.0 - 3.0
cPAH TEQ	**2.14**	ND
Total Naphth.	**3.19**	ND
Arsenic	11 U	NS
Cadmium	**0.81**	NS
Lead	**160**	NS

Loc ID.	GP59	
Date	11/17/2016	
Depth	1.5 - 2.5	2.8 - 3.3
cPAH TEQ	**0.17**	NS
Total Naphth.	**1.14**	NS
Arsenic	**15**	14 U
Cadmium	**1.2**	0.72 U
Lead	**260**	**32**

Notes:
1. Additional analytes were detected above CULs in soil and groundwater in this AOC adjacent to an unidentified buried object, as shown in Figures 13 and 14.
2. All collection depths are in feet below ground surface.
3. All values are in milligrams per kilogram (parts per million).
4. Analytical results for samples collected in soil that has since been removed as part of the interim remedial action (from location B-5) are not included.
5. Detected values are bolded.
6. Detected values that exceed both the MTCA A CUL and the CUL for protection of GW are highlighted purple.
7. Detected values that only exceed the CUL for protection of GW are highlighted blue.
8. Detected values that only exceed the MTCA A CUL are highlighted green.
9. Grayed out locations were not sampled for soil.
10. Natural background soil metals concentrations for Washington State were obtained from Ecology's soil natural background guidance (Ecology, 1994). For metals where the natural background concentration is greater than a CUL, the natural background concentration is used as the CUL.
11. Only metals and PAHs with a detection exceeding a CUL are shown.
12. The higher of the PAH concentrations from the 8270 and 8270 SIM methods is displayed, where applicable.
13. AOC = area of concern.
14. BNSF = Burlington Northern Santa Fe Railway.
15. C = Celsius.
16. cPAH = carcinogenic polycyclic aromatic hydrocarbons.
17. CUL = cleanup level.
18. Ecoloy = Washington State Department of Ecology.
19. ESA = environmental site assessment.
20. GW = groundwater.
21. J = result is an estimated value.
22. Loc. ID = location identification.
23. MFA = Maul Foster & Alongi, Inc.
24. MTCA = Model Toxics Control Act.
25. ND = not detected.
26. Naphth. = naphthalenes.
27. NS = not sampled for analyte(s) described in figure.
28. PAHs = polycyclic aromatic hydrocarbons.
29. TEQ = toxic equivalency quotient.
30. U = analyte not detected at or above the method reporting limit.

Cleanup Levels			
Analyte	MTCA Method A, Unrestricted Land Use	Soil CUL for GW Protection @ 13 degrees C	Natural Background
cPAH TEQ	0.1	2.33	NV
Total Naphth.	5	4.46	NV
Arsenic	20	2.92	7
Cadmium	2	0.69	1
Lead	250	3,000	17

Legend

- Excavation Extent
- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels
- Phase II ESA Boring Location (Whatcom Environmental Services)
- Phase II ESA Boring Location (Whatcom Environmental Services) (no longer representative)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

0 20 40
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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Path: X:\0747.01\Projects\6\6Fig10_AOC 3_Soil_North.mxd
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Approved By: H. Good
Produced By: cwise
Project: 0747.01.06

Figure 11
Area of Concern 3
Metals and PAHs in Soil-South Parcels

North Cascade Ford Property
Sedro-Woolley, Washington

FERRY STREET

EASTERN AVENUE

Loc ID.	GP62
Date	11/17/2016
Depth	0.5 - 1.0
cPAH TEQ	**0.21**
Total Naphth.	**0.82**
Arsenic	12 U
Cadmium	0.59 U
Lead	**36**

Loc ID.	GP63
Date	11/17/2016
Depth	0.8 - 1.3
cPAH TEQ	**0.24**
Total Naphth.	**0.183**
Arsenic	11 U
Cadmium	0.59 U
Lead	**11**

Loc ID.	GP26
Date	12/4/2012
Depth	1.1 - 2.4
cPAH TEQ	**1.1**
Total Naphth.	**22**
Arsenic	**9.9**
Cadmium	**1.3**
Lead	**126**

Loc ID.	GP67
Date	11/18/2016
Depth	1.5 - 2.3
cPAH TEQ	**0.02**
Total Naphth.	**0.95**
Arsenic	13 U
Cadmium	0.63 U
Lead	**34**

Cleanup Levels			
Analyte	MTCA Method A, Unrestricted Land Use	Soil CUL for GW Protection @ 13 degrees C	Natural Background
cPAH TEQ	0.1	2.33	NV
Total Naphth.	5	4.46	NV
Arsenic	20	2.92	7
Cadmium	2	0.69	1
Lead	250	3,000	17

Loc ID.	GP72
Date	11/18/2016
Depth	0.4 - 1.2
cPAH TEQ	ND
Total Naphth.	ND
Arsenic	12 U
Cadmium	0.59 U
Lead	5.9 U

Loc ID.	GP32
Date	12/4/2012
Depth	0.8 - 1.5
cPAH TEQ	**0.16**
Total Naphth.	**2.9**
Arsenic	**6.3**
Cadmium	**0.7**
Lead	**96**

Loc ID.	GP65
Date	11/18/2016
Depth	0.4 - 1.3
cPAH TEQ	**0.02**
Total Naphth.	**0.078**
Arsenic	11 U
Cadmium	0.57 U
Lead	**54**

Loc ID.	GP64
Date	11/18/2016
Depth	0.9 - 1.6
cPAH TEQ	**0.04**
Total Naphth.	**0.347**
Arsenic	12 U
Cadmium	0.58 U
Lead	**25**

Loc ID.	GP70	
Date	11/18/2016	
Depth	0.7 - 1.1	1.2 - 1.7
cPAH TEQ	**0.3**	ND
Total Naphth.	**0.97**	ND
Arsenic	12 U	NS
Cadmium	**0.65**	NS
Lead	**100**	NS

Loc ID.	B-9
Date	11/15/2011
Depth	2
cPAH TEQ	**0.261**
Total Naphth.	NS
Arsenic	NS
Cadmium	NS
Lead	NS

Loc ID.	GP31
Date	12/4/2012
Depth	0.4 - 1.3
cPAH TEQ	**1.3**
Total Naphth.	**4.4**
Arsenic	**6.5**
Cadmium	**3.1**
Lead	**334**

Loc ID.	GP29
Date	12/4/2012
Depth	0.5 - 1.5
cPAH TEQ	**0.043**
Total Naphth.	**0.32**
Arsenic	**4.7**
Cadmium	**0.4**
Lead	**8**

Loc ID.	GP09	
Date	5/8/2012	
Depth	1.1 - 3.0	5.0 - 6.2
cPAH TEQ	**0.072**	ND
Total Naphth.	**2**	**0.0096 J**
Arsenic	**3.5**	**8.6**
Cadmium	**0.2**	0.1 U
Lead	**16.1**	**14.7**

Loc ID.	GP69	
Date	11/18/2016	
Depth	0.5 - 1.2	1.5 - 2.2
cPAH TEQ	**1.01**	ND
Total Naphth.	**1.40**	ND
Arsenic	11 U	NS
Cadmium	0.56 U	NS
Lead	**30**	NS

Loc ID.	GP30
Date	12/4/2012
Depth	0.5 - 2.1
cPAH TEQ	**0.41**
Total Naphth.	**8.3**
Arsenic	**7.1**
Cadmium	**0.4**
Lead	**54**

Loc ID.	GP68
Date	11/18/2016
Depth	1.4 - 2.0
cPAH TEQ	**0.09**
Total Naphth.	**3.65**
Arsenic	13 U
Cadmium	0.63 U
Lead	**170**

Loc ID.	GP66
Date	11/18/2016
Depth	1.7 - 2.1
cPAH TEQ	ND
Total Naphth.	**0.0232**
Arsenic	14 U
Cadmium	0.69 U
Lead	**7.5**

GP62 GP63 GP26 GP67 GP64 GP72 GP73 NS GP32 GP27 NS GP65 GP71 NS GP31 GP70 GP28 NS B-9 GP09 GP29 GP69 GP30 GP68 GP66

Former Coal Shed #2

Former Coal Shed #3

Legend

- Property Parcel
- Skagit County Parcels
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in milligrams per kilogram (parts per million).
3. Detected values are bolded.
4. Detected values that exceed both the MTCA A CUL and the CUL for protection of groundwater are highlighted purple.
5. Detected values that only exceed the CUL for protection of GW are highlighted blue.
6. Detected values that only exceed the MTCA A CUL are highlighted green.
7. Natural background soil metals concentrations for Washington State were obtained from Ecology's soil natural background guidance (Ecology, 1994). For metals where the natural background concentration is greater than a CUL, the natural background concentration is used as the CUL.
8. Only metals and PAHs with a detection exceeding a CUL are shown.
9. The higher of the cPAH concentrations from the 8270 and 8270 SIM methods is displayed, where applicable.
10. C = Celsius.
11. cPAH = carcinogenic polycyclic aromatic hydrocarbons.
12. CUL = cleanup level.
13. Ecology = Washington State Department of Ecology.
14. ESA = environmental site assessment.
15. GW = groundwater.
16. J = result is an estimated value.
17. Loc. ID = location identification.
18. MTCA = Model Toxics Control Act.
19. MFA = Maul Foster & Alongi, Inc.
20. ND = not detected.
21. Naphth. = naphthalenes.
22. NS = not sampled for analyte(s) described in figure.
23. TEQ = toxic equivalency quotient.
24. U = analyte not detected at or above the method reporting limit.

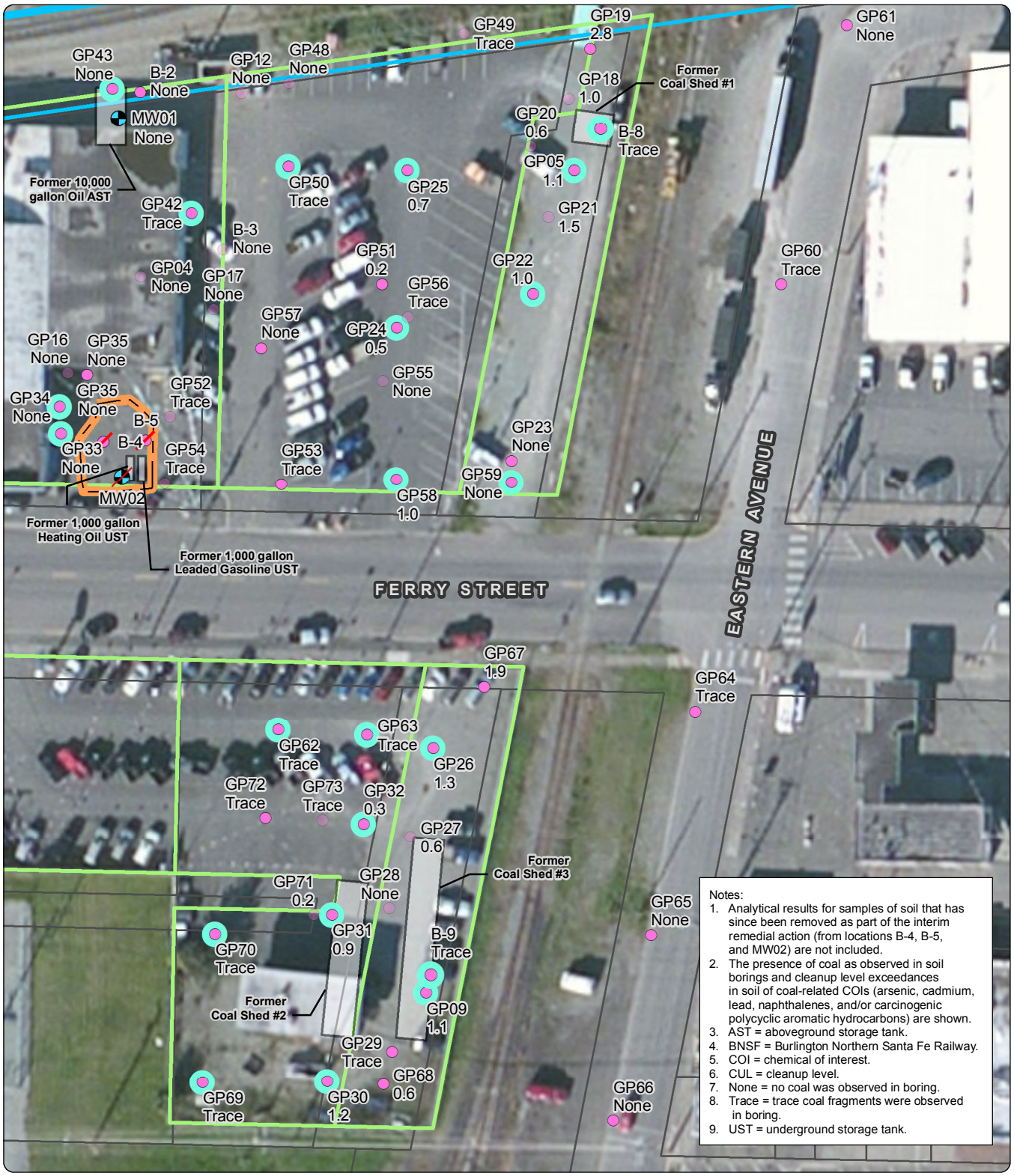
0 20 40
Feet

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: 1/19/2017
Approved By: H. Good
Produced By: cwise
Project: 0747.01.06



Notes:
1. Analytical results for samples of soil that has since been removed as part of the interim remedial action (from locations B-4, B-5, and MW02) are not included.
2. The presence of coal as observed in soil borings and cleanup level exceedances in soil of coal-related COIs (arsenic, cadmium, lead, naphthalenes, and/or carcinogenic polycyclic aromatic hydrocarbons) are shown.
3. AST = aboveground storage tank.
4. BNSF = Burlington Northern Santa Fe Railway.
5. COI = chemical of interest.
6. CUL = cleanup level.
7. None = no coal was observed in boring.
8. Trace = trace coal fragments were observed in boring.
9. UST = underground storage tank.

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

Legend

- GP27 0.6 — Boring Location (with location ID and coal thickness in feet)
- Boring Location (not sampled for coal-related COIs)
- Boring Location (no longer representative)
- Soil CUL Exceedance of Coal-related COI
- Monitoring Well Location
- Monitoring Well Location (decommissioned)
- Excavation Extent
- Property Parcel
- BNSF-owned Parcels
- Skagit County Parcels

0 40 80
Feet

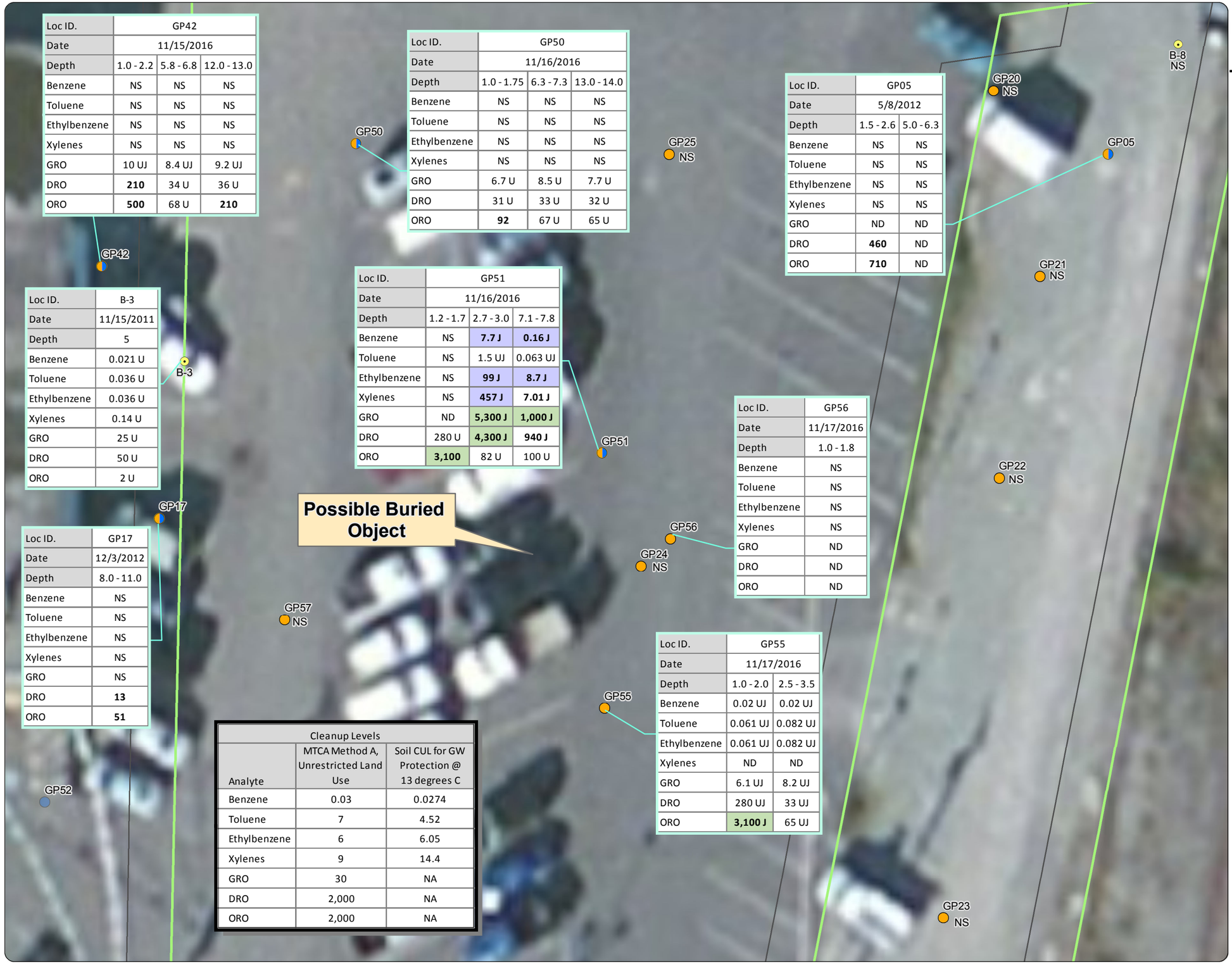
Figure 12
Area of Concern 3
Coal Observations

North Cascade Ford Property
Sedro-Woolley, Washington

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Loc ID.	GP42		
Date	11/15/2016		
Depth	1.0 - 2.2	5.8 - 6.8	12.0 - 13.0
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
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.	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.	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
Benzene	NS
Toluene	NS
Ethylbenzene	NS
Xylenes	NS
GRO	NS
DRO	**13**
ORO	**51**

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

Cleanup Levels		
Analyte	MTCA Method A, Unrestricted Land Use	Soil CUL for GW Protection @ 13 degrees C
Benzene	0.03	0.0274
Toluene	7	4.52
Ethylbenzene	6	6.05
Xylenes	9	14.4
GRO	30	NA
DRO	2,000	NA
ORO	2,000	NA

Figure 13
Area of Concern 3
Buried Object-
Total Petroleum Hydrocarbons and BTEX in Soil

North Cascade Ford Property
Sedro-Woolley, Washington

Legend

- Property Parcel
- Skagit County Parcels
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in milligrams per kilogram (parts per million).
3. Detected values are bolded.
4. Detected values that exceed both the MTCA A CUL and the CUL for protection of GW are highlighted purple.
5. Detected values that only exceed the MTCA A CUL are highlighted green.
6. Grayed out locations were not sampled for soil.
7. Soil exceedances for samples shown in this figure are located in AOC 3. Additional soil exceedances in AOC 3 are shown in Figure 10.
8. AOC = area of concern.
9. BTEX = benzene, toluene, ethylbenzene, and xylenes.
10. C = Celsius.
11. CUL = cleanup level.
12. DRO = diesel-range organics.
13. ESA = environmental site assessment.
14. GRO = gasoline-range organics.
15. GW = groundwater.
16. J = result is an estimated value.
17. Loc. ID = location identification.
18. MFA = Maul Foster & Alongi, Inc.
19. MTCA = Model Toxics Control Act.
20. NA = not available.
21. ND = not detected.
22. NS = not sampled for analytes described in figure.
23. ORO = oil-range organics.
24. 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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Approved By: H. Good
Produced By: cwise
Project: 0747.01.06

Figure 14
Area of Concern 3
Buried Object-
GRO and Benzene
in Groundwater

North Cascade Ford Property
Sedro-Woolley, Washington

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

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

Loc ID.	GP51
Date	11/16/2016
Depth	7.0 - 12
Benzene	**15 J**
GRO	**7,400 J**

Loc ID.	GP05
Date	5/8/2012
Depth	8.0 - 12.0
Benzene	NS
GRO	ND

Possible Buried Object

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

Cleanup Levels	
Analyte	MTCA Method A, Unrestricted Land Use
Benzene	5
GRO	800

Legend

- Property Parcel
- Skagit County Parcels
- Phase II ESA Boring Location (Whatcom Environmental Services)

MFA Boring Location

- Boring, Groundwater
- Boring, Soil
- Boring, Soil and Groundwater

Notes:
1. All collection depths are in feet below ground surface.
2. All values are in micrograms per liter (parts per billion).
3. Detected values are bolded.
4. Detected values that only exceed the MTCA A CUL are highlighted green.
5. Grayed out boring locations were not sampled for groundwater.
6. All samples shown in this figure, with the exception of GP53, are located in AOC 3.
7. AOC = area of concern.
8. ESA = environmental site assessment.
9. GRO = gasoline-range organics.
10. J = result is an estimated value.
11. Loc. ID = location identification.
12. MFA = Maul Foster & Alongi, Inc.
13. MTCA = Model Toxics Control Act.
14. ND = not detected.
15. NS = not sampled for analyte(s) described in figure.
16. 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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Produced By: cwise
Project: 0747.01.06

ATTACHMENT A

BORING LOGS

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP33**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/14/16 to 11/14/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			**20**	**GP**					*0.0 to 1.0 feet: SANDY GRAVEL WITH SILT (GW-GM); brown; 10% fines; 30% sand, medium to coarse, subrounded to subangular; 60% gravel, medium, subrounded to rounded; loose; dry. (FILL)*
2									*1.0 to 5.0 feet: no recovery.*
3									
4									
5			**100**	**GP**					*5.0 to 7.5 feet: SILTY SAND (SM); yellowish brown; 10% fines; 90% sand, very fine to fine; medium dense; dry.*
6				**GRAB**		**GP33-S-6.0 PID = 0.0 ppm**			
7		▽		**GRAB**		**GP33-S-7.0 PID = 0.0 ppm**			*@ 7.0 feet: moist.*
8				**GRAB**		**GP33-S-8.0 PID = 289.6 ppm**			*7.5 to 12.0 feet: SILTY SAND (SM); gray; 10% fines; 90% sand, very fine to fine; medium dense; slight odor; wet.*
9									
10			**66**	**GP**					
11									
12									*12.0 to 13.0 feet: SILT (ML); gray; 90% fines; 10% sand, very fine; firm; wet.*
13									*13.0 to 13.3 feet: SILT (ML); gray; 90% fines; 10% sand, very fine; stiff; trace organics; wet.*
14									*13.3 to 15.0 feet: no recovery.*
15									

Total Depth = 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. ppm = parts per million. 5. PID = photoionization detector.*

▽ ***Water level 7.5 feet bgs at time of drilling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP34**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/14/16 to 11/14/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			**52**	**GP**					*0.0 to 0.8 feet: SANDY GRAVEL WITH SILT (GW-GM); brownish black; 10% fines; 30% sand, fine to coarse, angular to subangular; 60% gravel, fine to medium, angular to subangular; loose; dry. (FILL)*
2									*0.8 to 1.6 feet: SILT WITH SAND (ML); brown; 80% fines; 20% sand, very fine to fine; very stiff; dry.*
3				**GRAB**		**GP34-S-2.5 PID = 0.0 ppm**			*1.6 to 2.6 feet: SAND WITH SILT (SP-SM); yellowish brown; 10% fines; 90% sand, very fine to fine; medium dense; dry.*
4									*2.6 to 5.0 feet: no recovery.*
5									
6			**50**	**GP**					*5.0 to 6.7 feet: SAND WITH SILT (SP-SM); yellowish brown; 10% fines; 90% sand, very fine to fine; medium dense; dry to moist.*
7	▽			**GRAB**		**GP34-S-6.4 PID = 0.0 ppm**			*@ 6.0 feet: moist.*
8				**GRAB**		**GP34-S-7.5 PID = 200.3 ppm**			*6.7 to 7.5 feet: SILTY SAND (SM); gray; 40% fines; 60% sand, very fine to fine; medium dense; strong odor; moist to wet.*
9	▼			**GW**					*@ 7.0 feet: wet.*
10				**WS**		**GP34-W-9.0**			*7.5 to 10.0 feet: no recovery.*
11			**50**	**GP**					*10.0 to 10.2 feet: SILTY SAND (SM); gray; 40% fines; 60% sand, very fine to fine; medium dense; strong odor; wet.*
12									*10.2 to 11.0 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; soft; strong odor; wet.*
13									*11.0 to 12.0 feet: WOODY DEBRIS.*
14									*12.0 to 12.5 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; soft; strong; wet.*
15									*12.5 to 15.0 feet: no recovery.*

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 8.0 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. ppm = parts per million. 6. PID = photoionization detector. 7. WS = reconnaissance groundwater sample.*

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

▼ ***Water level 9.4 feet bgs during groundwater sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP35**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/14/16 to 11/14/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			**62**	**GP**					*0.0 to 1.3 feet: SANDY GRAVEL WITH SILT (GW-GM); brown to black; 10% fines; 30% sand, medium to coarse, angular to subrounded; 60% gravel, fine to medium, angular to subrounded; loose; dry. (FILL)*
2									*1.3 to 1.5 feet: BRICK FRAGMENTS.*
3									*1.5 to 3.1 feet: SANDY SILT (ML); yellowish brown; 80% fines; 20% sand, very fine to fine; stiff; no odor; dry.*
4									*3.1 to 5.0 feet: no recovery.*
5			**64**	**GP**					*5.0 to 7.0 feet: SANDY SILT (ML); yellowish brown; 80% fines; 20% sand, very fine to fine; stiff; no odor; dry to moist.*
6				**GRAB**		**GP35-S-5.5 PID = 0.1 ppm**			*@ 6.0 feet: moist.*
7				**GRAB**		**GP35-S-6.5 PID = 0.0 ppm**			*7.0 to 7.2 feet: POORLY GRADED SAND (SP); yellowish brown; 100% sand, fine, angular to subangular; no odor; moist.*
8	▽								*7.2 to 10.0 feet: no recovery.*
9									
10			**60**	**GP**					*10.0 to 12.5 feet: SILT (ML); light brown to gray; 90% fines; 10% sand, very fine to fine; soft; trace woody debris; no odor; wet.*
11									
12				**GRAB**		**GP35-S-12.0 PID = 0.1 ppm**			
13									*12.5 to 13.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine, angular to subangular; no odor; wet.*
14									*13.0 to 15.0 feet: no recovery.*
15									

Total Depth = 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. ppm = parts per million. 5. PID = photoionization detector.*

▽ ***Water level 7.5 feet bgs at time of drilling.***

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP36	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/14/16 to 11/14/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			0	GP					0.0 to 0.3 feet: CONCRETE. 0.3 to 2.0 feet: no recovery.
2			50	GP					2.0 to 2.3 feet: SANDY GRAVEL WITH SILT (GW-GM); gray; 10% fines; 30% sand, fine to medium, angular to subangular; 60% gravel, fine to medium, angular to subangular; no odor; dry. (CONCRETE SUBBASE)
3									2.3 to 3.0 feet: SAND WITH SILT (SP-SM); yellowish brown; 10% fines; 90% sand, very fine to fine; no odor; dry.
4			100	GP					3.0 to 4.0 feet: no recovery.
5				GRAB		GP36-S-5.5 PID = 2.2 ppm			4.0 to 6.0 feet: SAND WITH SILT (SP-SM); yellowish brown; 10% fines; 90% sand, very fine to fine; no odor; dry.
6			100	GP					6.0 to 6.5 feet: SANDY GRAVEL (GP); brown; 20% sand, medium to coarse, angular to subangular; 80% gravel, medium, angular to subangular; moist.
7				GRAB		GP36-S-7.5 PID = 1.7 ppm			6.5 to 8.0 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; medium dense; moist to wet.
8	▽		100	GP					@ 8.0 feet: wet.
9				GRAB GW		GP36-S-9.0 PID = 1.5 ppm			8.0 to 10.0 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; medium dense; wet.
10			25	GP					10.0 to 10.5 feet: SILT WITH SAND (ML); light brown; 80% fines; 20% sand, very fine to medium, angular to subangular; soft; no odor; wet.
11	▼			WS		GP36-W-11.0			10.5 to 12.0 feet: no recovery.
12			25	GP					12.0 to 12.3 feet: SILTY SAND (SM); gray; 20% fines; 80% sand, very fine to fine; soft; no odor; wet.
13									12.3 to 12.5 feet: WOODY DEBRIS. 12.5 to 14.0 feet: no recovery.
14			100	GP					14.0 to 15.0 feet: SANDY GRAVEL WITH SILT (GW-GM); gray; 10% fines; 30% sand, medium; 60% gravel, medium, angular to subangular; no odor; wet.
15									15.0 to 15.5 feet: WOODY DEBRIS.
16									15.5 to 16.0 feet: SILTY SAND (SM); gray; 20% fines; 80% sand, fine to medium, angular to subangular; soft; no odor; wet.

Total Depth = 16.0 feet bgs.

Temporary polyvinyl chloride screen set from 9.0 to 14.0 feet bgs.

Borehole Completion Details:
0.0 to 16.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Concrete.
0.3 to 16.0 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 8.0 feet bgs at time of drilling.**

▼ **Water level 10.84 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP37	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/14/16 to 11/14/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	Hole Depth	14.0-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			50	GP		PID = 130.5 ppm			0.0 to 0.4 feet: CONCRETE. 0.4 to 1.4 feet: SANDY GRAVEL WITH SILT (GW-GM); gray; 10% fines; 40% sand, fine to medium, angular; 50% gravel, fine to medium, angular; medium dense; odor; dry. (FILL)
2									1.4 to 2.0 feet: no recovery.
3			60	GP		PID = 450 ppm			2.0 to 3.0 feet: SANDY GRAVEL WITH SILT (GW-GM); gray; 10% fines; 40% sand, fine to medium, angular; 50% gravel, fine to medium, angular; medium dense; odor; dry. (FILL) 3.0 to 3.2 feet: SILTY SAND (SM); light brown; 20% fines; 80% sand, very fine to fine; soft; odor; dry.
4									3.2 to 4.0 feet: no recovery.
5			100	GP GRAB		GP37-S-6.0 PID = 425 ppm			4.0 to 6.0 feet: SILTY SAND (SM); light brown; 20% fines; 80% sand, very fine to fine; strong odor; dry.
6									
7			25	GP					6.0 to 6.5 feet: SILTY SAND (SM); gray; 40% fines; 40% sand, fine to medium, angular to subangular; 20% gravel, coarse, angular; soft; strong odor; sheen; moist. 6.5 to 8.0 feet: no recovery.
8									
9	▽		100	GP GRAB GW		GP37-S-8.5 PID = 1.8 ppm			8.0 to 8.3 feet: SILTY SAND (SM); gray; 40% fines; 40% sand, fine to medium, angular to subangular; 20% gravel, fine to medium, angular to subangular; soft; slight odor; moist to wet. 8.3 to 8.5 feet: SILT (ML); gray; 100% fines; soft; no odor; wet.
10	▼		100	WS GP GRAB		GP37-W-10.0 GP37-S-11.0 PID = 0.8 ppm			8.5 to 9.0 feet: SAND WITH SILT (SP-SM); gray; 10% fines; 90% sand, medium, subangular to subrounded; loose; wet. 9.0 to 10.3 feet: SILT (ML); gray; 100% fines; soft; no odor; wet.
11									10.3 to 10.8 feet: SAND WITH SILT (SP-SM); gray; 10% fines; 90% sand, fine to medium, angular to subangular; medium dense; no odor; wet.
12			0	GP					10.8 to 12.0 feet: SILT (ML); gray; 95% fines; 5% sand, very fine to fine; medium dense; slight odor; wet. 12.0 to 14.0 feet: no recovery.
13									
14									

Total Depth = 14.0 feet bgs.

Temporary polyvinyl chloride screen set from 9.0 to 14.0 feet bgs.

Borehole Completion Details:
0.0 to 14.0 feet bgs: 2.25-inch borehole.
0.0 to 0.4 feet bgs: Concrete.
0.4 to 14.0 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 8.5 feet bgs at time of drilling.**

▼ **Water level 9.9 feet bgs during groundwater sampling.**

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP38	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/15/16 to 11/15/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			50	GP		PID = 0.4 ppm			0.0 to 0.3 feet: CONCRETE. 0.3 to 1.0 feet: SILTY SAND WITH GRAVEL (SM); light brown; 30% fines; 50% sand, fine to medium, angular to subangular; 20% gravel, fine, angular to subangular; loose; no odor; dry.
2									1.0 to 2.0 feet: no recovery.
3			100	GP		PID = 0.4 ppm			2.0 to 4.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; loose to medium dense; no odor; dry.
4									
5			67	GP GRAB		GP38-S-4.5 PID = 0.3 ppm			4.0 to 5.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; very loose; no odor; dry.
6				GRAB		GP38-S-5.5 PID = 0.6 ppm			5.0 to 6.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; loose to medium dense; no odor; moist to wet.
7									6.0 to 8.0 feet: SANDY SILT (ML); gray; 70% fines; 30% sand, very fine; medium dense; no odor; wet.
8	▽			GRAB		GP38-S-8.0 PID = 0.4 ppm			
9									8.0 to 10.0 feet: no recovery.
10			100	GW GP					10.0 to 13.8 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; trace woody debris; wet.
11				WS		GP38-W-11.0			
12									
13									@ 12.2 to 13.8 feet: increased fines.
14									13.8 to 15.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine to medium; subangular to angular; no odor; wet.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 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: Concrete.
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 8.0 feet bgs at time of drilling.**

▼ **Water level 8.2 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP39	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/15/16 to 11/15/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			72	GP					0.0 to 0.2 feet: ASPHALT.
1									0.2 to 0.7 feet: WELL GRADED SAND (SW); light brown; 20% fines; 60% sand, fine to coarse, angular to subangular; 20% gravel, fine, angular; loose; no odor; dry.
2									0.7 to 2.2 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; loose to medium dense; no odor; dry.
3									2.2 to 2.7 feet: SILT (ML); brown; 90% fines; 10% sand, very fine; very stiff; no odor; dry.
				GRAB		GP39-S-3.5 PID = 0.3 ppm			2.7 to 3.6 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; medium dense; no odor; dry.
4									3.6 to 5.0 feet: no recovery.
5			100	GRAB GP		GP39-S-6.0 PID = 0.4 ppm			5.0 to 8.3 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; medium dense; no odor; dry to wet.
6	▼								@ 6.0 feet: moist.
7				WS		GP39-W-7.0			@ 7.3 feet: gray.
8	▽			GRAB		GP39-S-8.0 PID = 0.4 ppm			@ 8.0 feet: wet.
9									8.3 to 9.0 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, medium, angular to subangular; medium dense; no odor; wet.
10			100	GW GP					9.0 to 10.0 feet: SILT (ML); gray; 100% fines, soft; no odor; wet.
11									10.0 to 11.0 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular; loose; no odor; wet.
12									11.0 to 12.3 feet: SANDY SILT (ML); gray; 70% fines; 30% sand, very fine to fine; medium dense; no odor; wet.
13									12.3 to 13.8 feet: SILT (ML); gray; 90% fines; 10% sand, very fine to fine; soft; no odor; wet.
14									13.8 to 15.0 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, medium, angular; loose; no odor; wet.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 to 15.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.2 feet bgs: Asphalt.
0.2 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 8.0 feet bgs at time of drilling.**

▼ **Water level 6.4 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP40	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/15/16 to 11/15/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			82	GP					0.0 to 0.3 feet: ASPHALT.
1									0.3 to 1.8 feet: GRAVELLY SAND WITH SILT (SW-SM); light brown to black; 10% fines; 70% sand, medium to coarse, angular to subangular; 20% gravel, medium, angular; no odor; dry. (FILL)
2									@ 1.0 to 1.2 feet: coarse angular gravel.
3				GRAB		GP40-S-3.5 PID = 0.3 ppm			1.8 to 4.1 feet: SILTY SAND (SM); light brown; 20% fines; 80% sand, very fine to fine; stiff; no odor; dry to moist. @ 2.0 to 2.6 feet: orange mottles.
4									@ 3.9 to 4.1 feet: woody debris. @ 4.1 feet: moist.
5									4.1 to 5.0 feet: no recovery.
6			64	GP					5.0 to 8.2 feet: SILTY SAND (SM); light brown; 20% fines; 80% sand, very fine to fine; stiff; trace woody debris; moist to wet.
				GRAB		GP40-S-6.0 PID = 0.6 ppm			
7	▼			GW					
	▽			WS		GP40-W-7.0			
8									@ 7.5 feet: wet.
9									8.2 to 10.0 feet: no recovery.
10			100	GP					10.0 to 11.3 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; soft; trace woody debris; wet.
				GRAB		GP40-S-10.0 PID = 0.5 ppm			
11									11.3 to 12.5 feet: SANDY SILT (ML); gray; 70% fines; 30% sand, very fine; stiff; trace woody debris; wet.
12									12.5 to 14.7 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; soft; wet.
13									
14									
15									14.7 to 15.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, medium; wet.

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 6.0 to 11.0 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 7.5 feet bgs at time of drilling.**

▼ **Water level 6.55 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP41	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/15/16 to 11/15/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			56	GP					0.0 to 0.5 feet: CONCRETE.
1									0.5 to 1.0 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; no odor; dry.
2									1.0 to 1.5 feet: SILT (ML); brown; 90% fines; 10% sand, very fine; stiff; no odor; dry.
3				GRAB		GP41-S-2.5 PID = 0.3 ppm			1.5 to 2.8 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; firm; no odor; dry.
4									2.8 to 5.0 feet: no recovery.
5			80	GP					5.0 to 9.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; no odor; dry to wet.
6				GRAB		GP41-S-6.0 PID = 0.4 ppm			@ 6.0 feet: moist.
7									
8	▽			GRAB		GP41-S-8.5 PID = 0.4 ppm			@ 8.0 feet: wet.
9									9.0 to 10.0 feet: no recovery.
10			100	GW GP					10.0 to 12.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; no odor; wet.
11	▼								
12				WS		GP41-W-11.5			12.0 to 12.8 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; soft; trace woody debris; wet.
13									12.8 to 13.6 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; no odor; wet.
14									13.6 to 14.7 feet: SILT (ML); gray; 95% fines; 5% sand, very fine to fine; no odor; wet.
15									14.7 to 15.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, medium, angular to subangular; loose; no odor; wet.

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 to 15.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.5 feet bgs: Concrete.
0.5 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 8.0 feet bgs at time of drilling.**

▼ **Water level 11.1 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP42**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/15/16 to 11/15/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			**80**	**GP**					*0.0 to 0.3 feet: ASPHALT.*
1				**GRAB**		**GP42-S-1.5 PID = 0.3 ppm**			*0.0 to 1.0 feet: GRAVELLY SAND WITH SILT (SW-SM); dark brown; 20% fines; 40% sand, fine to medium, angular to subangular; 40% gravel, fine to medium, angular to subangular; no odor; dry. (FILL)*
2									*1.0 to 2.2 feet: SANDY SILT (ML); black; 60% fines; 40% sand, fine to medium, angular; stiff; trace coal, glass, and red fragments; no odor; dry.*
3									*2.2 to 2.8 feet: SILT (ML); dark brown; 95% fines; 5% sand, very fine; very hard; no odor; dry.*
4									*2.8 to 4.0 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine; hard; no odor; dry.*
5									*4.0 to 5.0 feet: no recovery.*
6			**70**	**GP**					*5.0 to 8.5 feet: POORLY GRADED SAND (SP); light brown to gray; 5% fines; 95% sand, very fine to fine; hard; no odor; dry to moist.*
7				**GRAB**		**GP42-S-6.0 PID = 0.5 ppm**			
8									*@ 8.0 feet: color change to gray.*
9									*8.5 to 10.0 feet: no recovery.*
10				**GW**					
11			**60**	**GP WS**		**GP42-W-10.0**			*10.0 to 11.0 feet: GRAVEL WITH SILT (GP-GM); light gray; 10% fines; 10% sand, fine to medium, angular to subangular; 80% gravel, coarse, angular to subangular; wet.*
12									*11.0 to 13.0 feet: SILTY SAND (SM); light gray; 30% fines; 70% sand, very fine to fine; wet.*
13				**GRAB**		**GP42-S-12.5 PID = 0.3 ppm**			
14									*13.0 to 15.0 feet: no recovery.*
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 9.5 to 14.5 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 10.0 feet bgs at time of drilling.***

▼ ***Water level 9.2 feet bgs during groundwater sampling.***

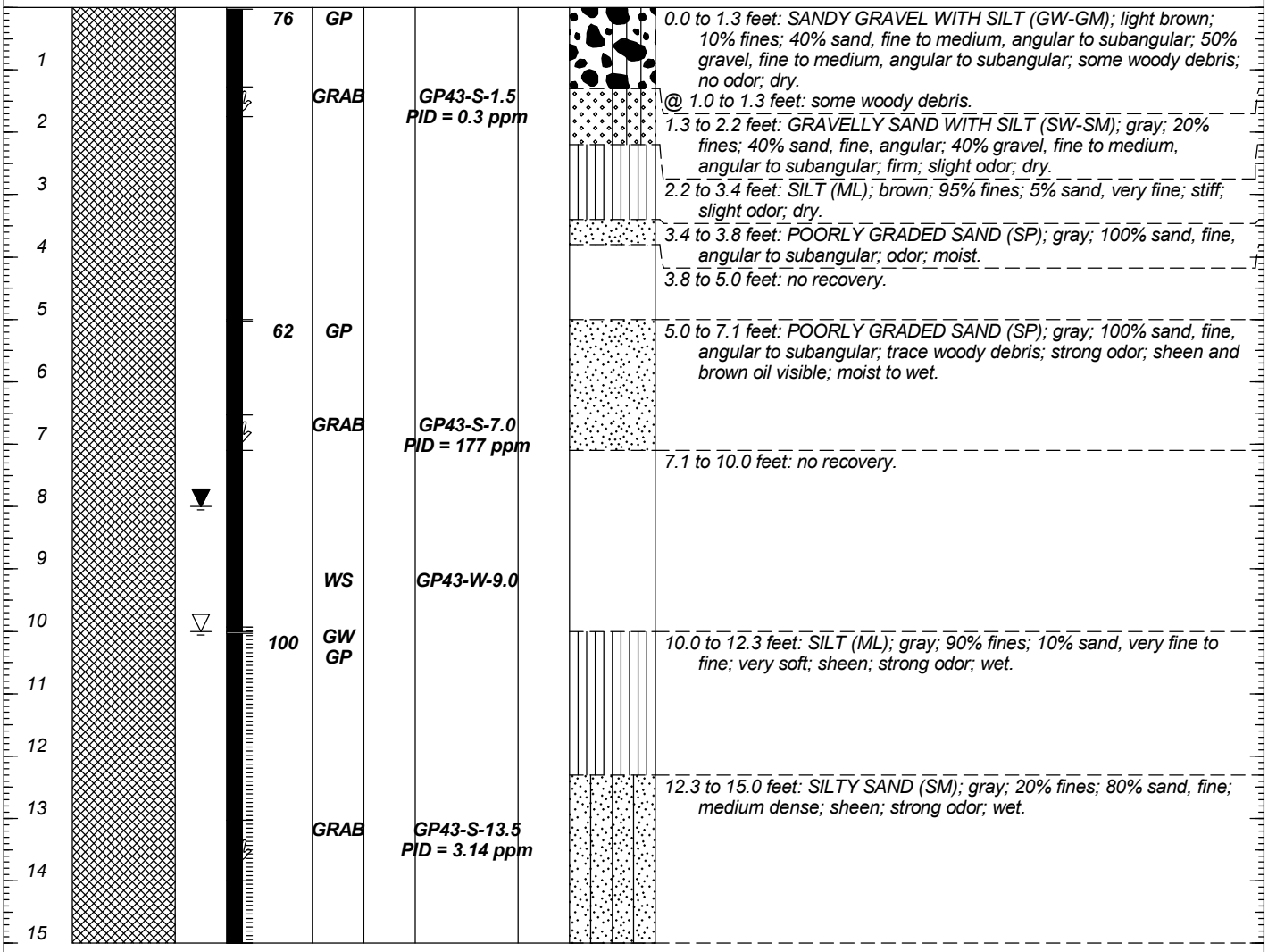
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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP43**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/15/16 to 11/15/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**15.0-feet**
Sample Method	**Direct-Push**	Outer Hole Diam	**2.25-inch**



Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 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 10.0 feet bgs at time of drilling.

Water level 8.0 feet bgs during groundwater sampling.

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP44	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/16/16 to 11/16/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			70	GP					0.0 to 1.5 feet: GRAVELLY SAND WITH SILT (SW-SM); light brown; 20% fines; 40% sand, medium to coarse, angular to subangular; 40% gravel, medium to coarse, angular to subangular; trace brick fragments; loose; dry. (FILL)
2						PID = 59.3 ppm			1.5 to 2.2 feet: SILTY SAND (SM); brown; 30% fines; 70% sand, fine, angular to subangular; stiff; trace woody debris; odor; dry.
3									2.2 to 3.0 feet: SANDY SILT (ML); brown; 70% fines; 30% sand, very fine; trace woody debris; odor; dry.
4				GRAB		GP44-S-3.5 PID = 255 ppm			3.0 to 3.8 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; stiff; odor; dry.
5									3.8 to 5.0 feet: no recovery.
6			100	GP					5.0 to 12.0 feet: SILTY SAND (SM); light brown to grayish brown; 30% fines; 70% sand, very fine to fine; stiff; trace woody debris; odor; sheen; moist to wet.
7				GRAB		GP44-S-6.0 PID = 136 ppm			
8									@ 8.0 feet: gray and wet.
9				WS		GP44-W-9.0			
10			100	GW GP		GP44-S-10.5			
11				GRAB		PID = 62 ppm			
12									12.0 to 13.0 feet: SILT (ML); brown; 95% fines; 5% sand, very fine; slight odor; wet.
13									13.0 to 13.5 feet: SILTY SAND (SM); brown; 30% fines; 70% sand, very fine; stiff; slight odor; wet.
14									13.5 to 14.2 feet: SILT (ML); brown; 95% fines; 5% sand, very fine; soft; no odor; wet.
15									14.2 to 15.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine to medium; no odor; wet.

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 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 8.0 feet bgs at time of drilling.**

▼ **Water level 8.2 feet bgs during groundwater sampling.**

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP45	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/16/16 to 11/16/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			46	GP		PID = 0.0 ppm			0.0 to 0.4 feet: TOPSOIL; black; 80% fines; 20% sand, very fine to fine; soft; some organics; no odor; dry.
1						PID = 0.0 ppm			0.4 to 1.4 feet: SANDY GRAVEL (GW); brown; 20% sand, fine to coarse, angular to subangular; 80% gravel, fine to medium, subangular to subrounded; no odor; dry.
2						PID = 0.2 ppm			1.4 to 2.3 feet: SILTY SAND (SM); light brown; 20% fines; 80% sand, very fine to fine; stiff; no odor; dry.
3									2.3 to 5.0 feet: no recovery.
4									
5			70	GP		PID = 0.1 ppm			5.0 to 7.4 feet: SILTY SAND (SM); gray brown; 20% fines; 80% sand, very fine to fine; medium dense; no odor; dry to moist.
6									
7									
8						PID = 0.2 ppm			7.4 to 8.5 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; stiff; no odor; moist.
9									8.5 to 10.0 feet: no recovery.
10			80	GW		PID = 0.0 ppm			10.0 to 10.5 feet: SILTY SAND (SM); brown; 20% fines; 80% sand, very fine to fine; stiff; no odor; wet.
11	▼			GP		PID = 0.0 ppm			10.5 to 12.4 feet: SILT (ML); gray; 100% fines; soft; wet.
12	▽								
13				WS		GP45-W-13.0			12.4 to 12.7 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine; wet.
									12.7 to 13.6 feet: SILT (ML); gray; 100% fines; soft; wet.
14									13.6 to 14.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine; wet.
15									14.0 to 15.0 feet: SILT (ML); gray; 100% fines; soft; wet.

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 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: Topsoil.
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 12.5 feet bgs at time of drilling.**

▼ **Water level 11.0 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP46**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/16/16 to 11/16/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			44	GP		PID = 0.1 ppm			0.0 to 2.0 feet: GRAVELLY SAND WITH SILT (SW-SM); brown; 10% fines; 60% sand, fine to coarse, angular to subangular; 30% gravel, fine to medium, angular to subangular; some organics; no odor; dry. (FILL)
2						PID = 0.2 ppm			2.0 to 2.2 feet: SILTY SAND (SM); light brown; 20% fines; 80% sand, very fine to fine; dense; no odor; dry.
3									2.2 to 5.0 feet: no recovery.
4									
5			80	GP		PID = 0.2 ppm			5.0 to 8.8 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; medium dense; moist to wet.
6	▼								
7									
8									@ 8.0 to 8.1 feet: lens of fine to medium poorly graded sand.
9	▽					PID = 0.0 ppm			@ 8.4 to 8.5 feet: lens of fine to medium poorly graded sand. 8.8 to 9.0 feet: SAND WITH SILT (SP-SM); gray; 10% fines; 90% sand, fine to medium, angular to subangular; no odor; wet.
10									9.0 to 10.0 feet: no recovery.
11			100	GW GP WS		GP46-W-10.0 PID = 0.0 ppm			10.0 to 10.5 feet: SILTY GRAVEL WITH SAND (GM); brown; 20% fines; 10% sand, medium to coarse, subrounded to subangular; 70% gravel, medium to coarse, subrounded to subangular; loose; no odor; wet.
12						PID = 0.0 ppm			10.5 to 11.3 feet: SANDY SILT (ML); light brown; 70% fines; 30% sand, very fine; soft; no odor; wet. 11.3 to 13.7 feet: POORLY GRADED SAND (SP); gray; 100% sand, medium, angular to subangular; loose; no odor; wet.
13									
14									13.7 to 15.0 feet: SILT (ML); gray; 100% fines; soft; trace woody debris; wet.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 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: Topsoil.
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 9.0 feet bgs at time of drilling.***

▼ ***Water level 6.4 feet bgs during groundwater sampling.***

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP47**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/16/16 to 11/16/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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		PID = 0.0 ppm			0.0 to 2.2 feet: SANDY GRAVEL (GW); light brown; 10% fines; 10% sand, fine to coarse, angular to subangular; 80% gravel, fine to coarse, angular to subangular; some organics; no odor; dry.
2									
3						PID = 0.1 ppm			2.2 to 2.8 feet: SILT (ML); dark brown; 95% fines; 5% sand, very fine; no odor; dry.
									2.8 to 5.0 feet: no recovery.
4									
5			92	GP		PID = 0.2 ppm			5.0 to 8.7 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine; soft to firm; no odor; moist to wet.
6	▼								
7	▽								@ 7.0 feet: wet.
8				WS		GP47-W-8.0			
9									8.7 to 9.6 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, fine to medium, angular to subangular; loose; no odor; wet.
10			100	GW GP					9.6 to 10.0 feet: no recovery.
									10.0 to 14.8 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine to medium, angular to subangular; loose; no odor; wet.
11									
12									
13									
14									
15									14.8 to 15.0 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine; loose; no odor; wet.

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 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: Topsoil.
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 7.0 feet bgs at time of drilling.***

▼ ***Water level 6.2 feet bgs during groundwater sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP48**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/16/16 to 11/16/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			**60**	**GP**		**PID = 0.3 ppm**			0.0 to 0.1 feet: ASPHALT. 0.1 to 0.5 feet: GRAVELLY SAND WITH SILT (SW-SM); brown; 20% fines; 40% sand, fine to medium, angular to subangular; 40% gravel, fine to coarse, angular to subangular; loose; no odor; dry. (FILL)
2						**PID = 0.2 ppm**			0.5 to 1.5 feet: SILT WITH SAND (ML); dark brown; 85% fines; 15% sand, very fine to fine; firm; trace brick fragments and woody debris; no odor; dry.
3									1.5 to 3.0 feet: SILTY SAND (SM); gray; 20% fines; 80% sand, very fine to fine; medium dense; orange mottles; no odor; dry to moist.
4									3.0 to 5.0 feet: no recovery.
5			**52**	**GP**					5.0 to 5.8 feet: SILTY SAND (SM); gray; 20% fines; 80% sand, very fine to fine; medium dense; orange mottles; no odor; dry to moist.
6									5.8 to 7.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine to medium, angular to subangular; no odor; moist.
7									7.0 to 7.6 feet: SILT (ML); light brown; 95% fines; 5% sand, very fine; soft; no odor; moist.
8									7.6 to 10.0 feet: no recovery.
9									
10			**90**	**GW GP WS**		**GP48-W-10.0**			10.0 to 10.5 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine to medium, angular to subangular; wet.
11	▽								10.5 to 13.0 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; soft; no odor; wet.
12	▼								
13									13.0 to 14.5 feet: POORLY GRADED SAND (SP); gray; 5% fines; 95% sand, very fine to fine, angular; medium dense; no odor; wet.
14									
15									14.5 to 15.0 feet: no recovery.

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 to 15.0 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.2 feet bgs: Asphalt.
0.2 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 11.0 feet bgs at time of drilling.***

▼ ***Water level 11.8 feet bgs during groundwater sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP49**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/16/16 to 11/16/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			**32**	**GP**		**PID = 0.0 ppm**			*0.0 to 0.6 feet: GRAVELLY SAND WITH SILT (SW-SM); brown; 20% fines; 40% sand, fine to medium, angular to subangular; 40% gravel, fine to medium, angular; loose; some organics; no odor; dry. (FILL)*
2						**PID = 0.1 ppm**			*0.6 to 1.8 feet: SILT (ML); reddish brown; 90% fines; 10% sand, very fine; stiff; little woody debris and coal fragments; no odor; dry.*
3									*1.8 to 5.0 feet: no recovery.*
4									
5									
6			**42**	**GP**		**PID = 0.2 ppm**			*5.0 to 6.2 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, very fine to fine; angular; medium dense; no odor; dry to moist.*
7	▼					**PID = 0.0 ppm**			*@ 5.0 to 5.1 feet: rock.* *6.2 to 7.1 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine, angular; medium dense; no odor; dry to moist.*
8				**GW**					*7.1 to 10.0 feet: no recovery.*
9				**WS**		**GP49-W-9.0**			
10	▽		**100**	**GP**					*10.0 to 12.0 feet: POORLY GRADED SAND (SP); light brown; 5% fines; 95% sand, fine to medium, angular to subangular; no odor; wet.*
11									
12									*12.0 to 15.0 feet: SILT (ML); light brown to gray; 100% fines; firm to soft; no odor; wet.*
13									*@ 13.0 feet: color changes to gray.*
14									
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 7.5 to 13.5 feet bgs.

Borehole Completion Details:
0.0 to 15.0 feet bgs: 2.25-inch borehole.
0.0 to 0.2 feet bgs: Asphalt.
0.2 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 10.0 feet bgs at time of drilling.***

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

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP50	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/16/16 to 11/16/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			68	GP					0.0 to 0.6 feet: GRAVELLY SILTY SAND (SW-SM); black to brown; 20% fines; 40% sand, fine to medium, angular to subangular; 40% gravel, medium to coarse, subangular to subrounded; medium dense; dry. (ASPHALT AND SUBBASE)
2				GRAB		GP50-S-1.5 PID = 0.4 ppm			0.6 to 2.0 feet: GRAVELLY SILTY SAND (SW); dark brown to black; 30% fines; 40% sand, fine to medium, angular to subangular; 30% gravel, fine to medium, subrounded to subangular; firm; trace woody debris; no odor; dry.
3									@ 0.6 to 1.0 feet: brick and possible coal fragments.
4									2.0 to 3.4 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; very stiff; no odor; dry to moist.
5									3.4 to 5.0 feet: no recovery.
6			100	GP					5.0 to 8.0 feet: SANDY SILT (ML); light brown; 70% fines; 30% sand, very fine; firm; no odor; moist to wet.
7				GRAB		GP50-S-6.5 PID = 0.3 ppm			
8									8.0 to 10.0 feet: SILT (ML); light brown; 100% fines; firm to soft; no odor; moist.
9									
10	▽		100	GW GP					10.0 to 11.0 feet: GRAVEL WITH SILT AND SAND (GW-GM); gray; 10% fines; 10% sand, medium to coarse, subrounded to angular; 80% gravel, fine to coarse, subrounded to subangular; no odor; wet.
11				WS		GP50-W-11.0			11.0 to 12.8 feet: SILT (ML); gray; 100% fines; soft; no odor; wet.
12									
13				GRAB		GP50-S-13.5 PID = 0.2 ppm			12.8 to 15.0 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; medium dense; no odor; wet.
14									
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 10.0 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 10.0 feet bgs at time of drilling.**

▼ **Water level 10.2 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP51	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/16/16 to 11/16/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			60	GP					0.0 to 1.7 feet: GRAVELLY SAND WITH SILT (SW-SM); brown; 10% fines; 60% sand, fine to medium, angular to subangular; 30% fine to medium, subangular to subrounded; trace brick fragments; no odor; dry. (FILL)
2				GRAB		GP51-S-1.5 PID = 0.2 ppm			@ 0.5 to 0.7 feet: coal fragments.
									1.7 to 2.7 feet: CONCRETE.
3				GRAB		GP51-S-3.0 PID = 1,525 ppm			2.7 to 3.0 feet: SILTY SAND (SM); light gray; 30% fines; 70% sand, very fine to fine; stiff; strong odor; dry.
4									3.0 to 5.0 feet: no recovery.
5			84	GP		PID = 1016 ppm			5.0 to 7.0 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; medium dense; strong odor; dry to moist.
6									
7				GW GRAB		GP51-S-7.5 PID = 754 ppm			7.0 to 8.0 feet: SILTY SAND (SM); gray; 20% fines; 80% sand, fine to medium, angular to subangular; strong odor; moist.
8	▽								8.0 to 9.2 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; soft; strong odor; wet.
9	▼								
10									9.2 to 10.0 feet: no recovery.
			100	GP					10.0 to 11.2 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; soft; strong odor; wet.
11				WS		GP51-W-11.0			
12									11.2 to 15.0 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; trace woody debris; slight odor; wet.
13									
14									
15				GRAB		GP51-S-14.5 PID = 45.1 ppm			

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 7.0 to 12.0 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 8.0 feet bgs at time of drilling.**

▼ **Water level 8.85 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP52**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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**		**PID = 0.2 ppm**			*0.0 to 0.5 feet: SANDY SILTY GRAVEL (GW-GM); light gray to black; 20% fines; 20% sand, fine to medium, angular to subangular; 60% gravel, medium to coarse, angular to subangular; no odor; dry. (FILL)*
2						**PID = 0.3 ppm**			*0.5 to 0.8 feet: GRAVELLY SILTY SAND (SW-SM); black to light gray; 20% fines; 60% sand, fine to medium, angular to subangular; 20% gravel, fine, angular; possible burnt coal fragments; no odor; dry.*
3						**PID = 0.2 ppm**			*0.8 to 3.2 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; firm; no odor; dry.*
4									*3.2 to 5.0 feet: no recovery.*
5			**96**	**GP**		**PID = 0.2 ppm**			*5.0 to 8.0 feet: SAND WITH SILT (SP-SM); light brown; 10% fines; 90% sand, very fine to fine; firm; no odor; moist to wet.*
6									
7									*@ 7.0 to 7.1 feet: lens of fine to medium poorly graded sand.*
8	▼								
9	▽			**GW WS**		**PID = 0.3 ppm GP52-W-8.0 PID = 1.2 ppm**			*8.0 to 8.7 feet: POORLY GRADED SAND (SP); brown; 100% sand, fine to medium, angular to subangular; no odor; wet.* *8.7 to 9.8 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; stiff to soft; no odor; wet.*
10									*9.8 to 10.0 feet: no recovery.*
11			**100**	**GP**		**PID = 0.8 ppm**			*10.0 to 11.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine to medium, angular to subangular; no odor; wet.*
12									*11.0 to 13.2 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; soft; no odor; wet.*
13									
14									*13.2 to 15.0 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; stiff; no odor; wet.*
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 8.0 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. ppm = parts per million. 6. PID = photoionization detector. 7. WS = reconnaissance groundwater sample.*

▽ ***Water level 8.5 feet bgs at time of drilling.***

▼ ***Water level 7.7 feet bgs during groundwater sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP53**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	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			66	GP GRAB		GP53-S-1.0 PID = 11.0 ppm			0.0 to 1.6 feet: SANDY GRAVEL WITH SILT (GW-GM); gray; 10% fines; 30% sand, fine to medium, angular to subangular; 60% gravel, fine to coarse, angular to subangular; trace woody debris; slight odor; dry. (FILL) @ 1.0 to 1.6 feet: dark brown and black material, possible coal fragments.
2									1.6 to 3.5 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; dry.
3				GRAB		GP53-S-3.0 PID = 0.0 ppm			
4									3.5 to 5.0 feet: no recovery.
5			96	GP		PID = 0.0 ppm			5.0 to 7.5 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; dry to moist.
6									
7									
8						PID = 0.1 ppm			7.5 to 8.0 feet: POORLY GRADED SAND (SP); brown; 5% fines; 95% sand, fine to medium, angular; medium dense; moist.
						PID = 0.1 ppm			8.0 to 9.0 feet: SILTY SAND (SM); brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; moist.
9									
10				GW		PID = 0.1 ppm			9.0 to 9.8 feet: SILT (ML); gray; 95% fines; 5% sand, very fine; no odor; moist. 9.8 to 10.0 feet: no recovery.
11	▽		100	GP WS		GP53-W-10.0			10.0 to 11.5 feet: SILTY SAND (SM); brown; 20% fines; 80% sand, very fine to medium, angular to subangular; no odor; wet.
12									11.5 to 13.0 feet: SILT (ML); light brown; 90% fines; 10% sand, very fine to fine; soft; no odor; wet.
13									
14	▼								13.0 to 15.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; no odor; wet.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 9.5 to 14.5 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 11.0 feet bgs at time of drilling.***

▼ ***Water level 14.2 feet bgs during groundwater sampling.***

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	GP54	1 of 1

Project Name	VSF Properties, LLC - North Cascade Ford	TOC Elevation (feet)	
Project Location	116 W. Ferry St., Sedro-Woolley, WA	Surface Elevation (feet)	
Start/End Date	11/17/16 to 11/17/16	Northing	
Driller/Equipment	Holt Services, Inc./Geoprobe 7800	Easting	
Geologist/Engineer	C. Wise	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			66	GP		PID = 0.0 ppm			0.0 to 1.6 feet: GRAVELLY SAND WITH SILT (SW-SM); light gray to dark brown; 10% fines; 50% sand, fine to medium; 40% gravel, fine to coarse, subrounded to subangular; medium dense; trace coal (approximately 2 millimeters in diameter) and burnt wood fragments; no odor; dry.
2						PID = 0.0 ppm			1.3 feet: increase in coal fragments.
									1.6 to 2.4 feet: SILT (ML); reddish brown; 90% fines; 10% sand, very fine; stiff; no odor; dry.
3						PID = 0.0 ppm			2.4 to 3.3 feet: SILTY SAND (SM); yellowish brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.
4									3.3 to 5.0 feet: no recovery.
5			96	GP		PID = 30.2 ppm			5.0 to 9.8 feet: SILTY SAND (SM); yellowish brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; moist to wet.
6									
7									
8									
9	▽ ▼								@ 9.0 to 9.8 feet: woody debris.
10				GW					9.8 to 10.0 feet: no recovery.
11			86	GP WS		GP54-W-10.0			10.0 to 11.0 feet: SILTY SAND (SM); yellowish brown; 30% fines; 70% sand, very fine to fine; stiff; slight odor; wet.
12						PID = 41.1 ppm			11.0 to 13.0 feet: POORLY GRADED SAND (SP); gray; 100% sand, fine to medium, angular; slight odor; wet.
									@ 11.7 to 12.0 feet: lens of silt.
13						PID = 69.6 ppm			13.0 to 14.3 feet: SILTY SAND (SM); gray; 30% fines; 70% sand, very fine to fine; soft; sheen; slight odor; wet.
14									14.3 to 15.0 feet: no recovery.
15									

Total Depth = 15.0 feet bgs.

Temporary polyvinyl chloride screen set from 9.5 to 14.5 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 8.5 feet bgs at time of drilling.**

▼ **Water level 9.15 feet bgs during groundwater sampling.**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP55**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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 0.8 feet: GRAVELLY SAND WITH SILT (SW-SM); light brown; 10% fines; 50% sand, fine to medium, angular to subangular; 40% gravel, fine to coarse, angular to subangular; no odor; dry.*
				GRAB		**GP55-S-1.5**			*0.8 to 1.6 feet: GRAVELLY SAND WITH SILT (SW-SM); dark brown; 10% fines; 60% sand, fine to medium, angular to subangular; 30% gravel, fine to medium, angular to subangular; stiff; trace brick fragments and plastic wrap; no odor; dry.*
2									
3				**GRAB**		**GP55-S-3.0**			*1.6 to 3.2 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; medium dense; orange mottling; no odor; dry.*
4									*3.2 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP56**	**1 of 1**

Project Name	***VSF Properties, LLC - North Cascade Ford***	*TOC Elevation (feet)*	
Project Location	***116 W. Ferry St., Sedro-Woolley, WA***	*Surface Elevation (feet)*	
Start/End Date	***11/17/16 to 11/17/16***	*Northing*	
Driller/Equipment	***Holt Services, Inc./Geoprobe 7800***	*Easting*	
Geologist/Engineer	***C. Wise***	*Hole Depth*	***1.8-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			**100**	**GP**					*0.0 to 0.8 feet: SANDY GRAVEL WITH SILT (GW-SM); light gray; 10% fines; 40% sand, fine to medium, subrounded to subangular; 50% gravel, fine to coarse, subrounded to subangular; no odor; dry.*
				GRAB		**GP56-S-1.5**			*0.8 to 1.8 feet: GRAVELLY SAND WITH SILT (SW-SM); dark brown; 10% fines; 60% sand, fine to medium, angular to subangular; 30% gravel, fine to medium, angular to subangular; medium dense; trace coal fragments from 0.8 to 1.0 foot bgs; dry.*

@ 1.8 feet: refusal due to wood debris.
Total Depth = 1.8 feet bgs.

Borehole Completion Details:
0.0 to 1.8 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 1.8 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.*

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP57**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**76**	**GP**					*0.0 to 1.5 feet: GRAVELLY SAND WITH SILT (SW-SM); dark brown; 10% fines; 60% sand, fine to medium, angular; 30% gravel, fine to coarse, angular to subrounded; trace brick fragments and burnt woody debris; no odor; dry. (FILL)*
				GRAB		**GP57-S-1.0**			
2				**GRAB**		**GP57-S-2.0**			*1.5 to 3.8 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
3									
4									*3.8 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP58**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**62**	**GP**					*0.0 to 0.7 feet: SANDY GRAVEL WITH SILT (GW-GM); light brown; 10% fines; 40% sand, fine to medium, angular to subrounded; 50% gravel, fine to coarse, subrounded to angular; medium dense; trace brick and concrete fragments; no odor; dry.*
2				**GRAB**		**GP58-S-1.5**			*0.7 to 1.7 feet: COAL; black; 20% fines; 40% sand, fine to medium, angular; 40% gravel, fine to medium, angular; loose; no odor; dry.*
3				**GRAB**		**GP58-S-2.5**			*1.7 to 3.1 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
4									*3.1 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP59**	**1 of 1**

Project Name	***VSF Properties, LLC - North Cascade Ford***	*TOC Elevation (feet)*	
Project Location	***116 W. Ferry St., Sedro-Woolley, WA***	*Surface Elevation (feet)*	
Start/End Date	***11/17/16 to 11/17/16***	*Northing*	
Driller/Equipment	***Holt Services, Inc./Geoprobe 7800***	*Easting*	
Geologist/Engineer	***C. Wise***	*Hole Depth*	***5.0-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			**66**	**GP**					*0.0 to 1.3 feet: SANDY GRAVEL WITH SILT (GW); light gray; 10% fines; 30% sand, fine to medium, angular to subangular; 60% gravel, fine to medium, subrounded to rounded; loose; no odor; dry. (FILL)*
2				**GRAB**		**GP59-S-2.0**			*1.3 to 2.5 feet: SAND WITH SILT (SW-SM); dark brown; 20% fines; 70% sand, fine to medium, angular to subangular; 10% gravel, fine; loose; trace brick fragments and white vesicular angular fragments; no odor; dry.*
3				**GRAB**		**GP59-S-3.0**			*2.5 to 3.3 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
4									*3.3 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP60**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**68**	**GP**					*0.0 to 1.8 feet: SANDY GRAVEL WITH SILT (GW-GM); light brown; 10% fines; 20% sand, fine to coarse, angular; 70% gravel, fine to coarse, angular; concrete and asphalt fragments; no odor; dry. (FILL)*
2				**GRAB**		**GP60-S-2.3**			*1.8 to 2.6 feet: GRAVELLY SAND WITH SILT (SW-SM); dark brown; 20% fines; 60% sand, fine to medium, angular; 20% gravel, fine, angular; medium dense; trace 0.2 millimeter diameter coal fragments, burnt wood and brick debris; no odor; dry.*
3				**GRAB**		**GP60-S-3.0**			*2.6 to 3.4 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; orange mottles; no odor; dry.*
4									*3.4 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP61**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**84**	**GP**					*0.0 to 1.3 feet: CONCRETE.*
2				**GRAB**		**GP61-S-1.5**			*1.3 to 1.7 feet: GRAVELLY SAND WITH SILT (SW-SM); dark brown; 10% fines; 70% sand, fine to medium, angular to subangular; 20% gravel, fine, angular; loose; trace brick fragments approximately 1.0 millimeter in diameter; no odor; dry.*
3				**GRAB**		**GP61-S-2.2**			*1.7 to 4.2 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
4									*4.2 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP62**	**1 of 1**

Project Name	***VSF Properties, LLC - North Cascade Ford***	*TOC Elevation (feet)*	
Project Location	***116 W. Ferry St., Sedro-Woolley, WA***	*Surface Elevation (feet)*	
Start/End Date	***11/17/16 to 11/17/16***	*Northing*	
Driller/Equipment	***Holt Services, Inc./Geoprobe 7800***	*Easting*	
Geologist/Engineer	***C. Wise***	*Hole Depth*	***5.0-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			**50**	**GP**					*0.0 to 1.0 feet: SILTY SAND (SM); dark brown; 20% fines; 70% sand, fine to medium, angular to subangular; 10% gravel, fine, angular; loose; some reddish white vesicular debris, trace 2 millimeter diameter coal fragments; no odor; dry. (FILL)*
				GRAB		**GP62-S-1.0**			
2				**GRAB**		**GP62-S-2.0**			*1.0 to 2.5 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; firm; orange mottles; no odor; dry.*
3									*2.5 to 5.0 feet: no recovery.*
4									
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP63**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/17/16 to 11/17/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**68**	**GP**					*0.0 to 1.3 feet: GRAVELLY SAND WITH SILT (SW-SM); reddish brown to gray; 10% fines; 50% sand, fine to medium, angular to subangular; 40% gravel, fine to medium, angular to subangular; trace reddish brick fragments and 2 millimeter diameter coal fragments; no odor; dry. (FILL)*
				GRAB		**GP63-S-1.0**			
2				**GRAB**		**GP63-S-2.0**			*1.3 to 3.4 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
3									*@ 2.2 to 2.4 feet: lens of dark gray silt with woody debris, no odor.*
4									*3.4 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP64**	**1 of 1**

Project Name	***VSF Properties, LLC - North Cascade Ford***	*TOC Elevation (feet)*	
Project Location	***116 W. Ferry St., Sedro-Woolley, WA***	*Surface Elevation (feet)*	
Start/End Date	***11/18/16 to 11/18/16***	*Northing*	
Driller/Equipment	***Holt Services, Inc./Geoprobe 7800***	*Easting*	
Geologist/Engineer	***C. Wise***	*Hole Depth*	***5.0-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			**80**	**GP**					*0.0 to 0.3 feet: ASPHALT.*
				GRAB		**GP64-S-1.2**			*0.3 to 0.9 feet: SANDY GRAVEL WITH SILT (GW-GM); brown; 10% fines; 30% sand, fine to coarse, angular to subangular; 60% gravel, fine to medium, angular to subangular; loose; no odor; dry. (FILL)*
2				**GRAB**		**GP64-S-2.0**			*0.9 to 1.6 feet: GRAVELLY SAND WITH SILT (SW-SM); brown; 10% fines; 70% sand, fine to medium, angular to subangular; 20% gravel, fine, subrounded to subangular; trace 2.0 millimeter diameter coal fragments and reddish fragments; no odor; dry.*
3									*1.6 to 4.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
4									*4.0 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP65**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/18/16 to 11/18/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**76**	**GP GRAB**		**GP65-S-1.0**			0.0 to 0.4 feet: ASPHALT.
2				**GRAB**		**GP65-S-2.0**			0.4 to 1.3 feet: SILTY SAND (SM); brown; 20% fines; 70% sand, very fine to medium, angular to subrounded; 10% gravel, fine, angular to subrounded; medium dense; flecks of black debris; no odor; dry. (FILL)
3									1.3 to 3.8 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; medium dense; orange mottles; no odor; dry.
4									3.8 to 5.0 feet: no recovery.
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP66**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/18/16 to 11/18/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**78**	**GP**					*0.0 to 0.3 feet: ASPHALT.*
									0.3 to 1.0 feet: GRAVELLY SAND (SW); light brown; 80% sand, fine to medium, angular to subangular; 20% gravel, fine, angular; no odor; dry.
2				**GRAB**		**GP66-S-2.0**			*1.0 to 1.7 feet: SANDY SILT (ML); light brown; 60% fines; 40% sand, very fine to fine; soft; no odor; dry.*
				GRAB		**GP66-S-2.5**			*1.7 to 2.1 feet: SANDY SILT (ML); reddish brown; 50% fines; 40% sand, fine to medium, angular to subangular; 10% gravel, fine, angular; medium dense; trace small black flecks of debris; no odor; dry.*
3									*2.1 to 3.9 feet: SILTY SAND (SM); grayish brown; 40% fines; 60% sand, very fine to fine; soft; dry.*
4									*3.9 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP67**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/18/16 to 11/18/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**70**	**GP**					*0.0 to 0.8 feet: GRAVELLY SAND WITH SILT (SW-SM); brown; 10% fines; 60% sand, fine to coarse, angular to subangular; 30% gravel, fine to medium, angular to subangular; loose; no odor; dry. (FILL)*
2				**GRAB**		**GP67-S-2.0**			*0.8 to 2.7 feet: COAL; black; 30% fines; 60% sand, fine to medium, angular to subangular; 10% gravel, fine, angular; loose; trace burnt woody debris, red and white vesicular flakes; no odor; dry.*
3				**GRAB**		**GP67-S-3.5**			*2.7 to 3.5 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
4									*3.5 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP68**	**1 of 1**

Project Name	***VSF Properties, LLC - North Cascade Ford***	*TOC Elevation (feet)*	
Project Location	***116 W. Ferry St., Sedro-Woolley, WA***	*Surface Elevation (feet)*	
Start/End Date	***11/18/16 to 11/18/16***	*Northing*	
Driller/Equipment	***Holt Services, Inc./Geoprobe 7800***	*Easting*	
Geologist/Engineer	***C. Wise***	*Hole Depth*	***5.0-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			**72**	**GP**					*0.0 to 1.4 feet: GRAVELLY SAND WITH SILT (SW-SM); brown; 30% fines; 40% sand, fine to coarse, angular to subangular; 30% gravel, fine to medium, angular; no odor; dry. (FILL)*
2				**GRAB**		**GP68-S-1.8**			*1.4 to 2.0 feet: COAL; black; 20% fines; 70% sand, very fine to medium, angular to subangular; 10% gravel, fine, angular; vesicular coal fragments and reddish white flakes; no odor; dry.*
3				**GRAB**		**GP68-S-3.0**			*2.0 to 3.6 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; firm; no odor; dry.*
4									*3.6 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

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Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP69**	**1 of 1**

Project Name	***VSF Properties, LLC - North Cascade Ford***	*TOC Elevation (feet)*	
Project Location	***116 W. Ferry St., Sedro-Woolley, WA***	*Surface Elevation (feet)*	
Start/End Date	***11/18/16 to 11/18/16***	*Northing*	
Driller/Equipment	***Holt Services, Inc./Geoprobe 7800***	*Easting*	
Geologist/Engineer	***C. Wise***	*Hole Depth*	***5.0-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			**52**	**GP**					*0.0 to 0.5 feet: GRAVEL WITH SILT (GW-GM); light gray; 10% fines; 10% sand, very fine to fine; 80% gravel, fine to coarse, angular; no odor; dry. (FILL)*
				GRAB		**GP69-S-1.0**			
2				**GRAB**		**GP69-S-2.0**			*0.5 to 1.2 feet: SILTY SAND WITH GRAVEL (SM); black to brown; 30% fines; 60% sand, very fine to fine, angular to subangular; 10% gravel, fine, angular; loose; some coal fragments and vesicular white and red flakes; dry.*
3									*1.2 to 2.6 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; no odor; dry.*
4									*2.6 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

GBLWC W:\GINT\GINTWPROJECTS\0747.01\GP33 TO GP73.GPJ 1/16/17

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP70**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/18/16 to 11/18/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**72**	**GP**					*0.0 to 0.3 feet: ASPHALT.*
				GRAB		**GP70-S-1.0**			*0.3 to 0.8 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; orange mottles; no odor; dry.*
2				**GRAB**		**GP70-S-1.5**			*0.8 to 1.0 feet: SILTY SAND (SM); brown to black; 40% fines; 60% sand, very fine to fine; trace 1.0 millimeter diameter coal fragments, reddish flakes, and burnt wood; no odor; dry.*
3									*1.0 to 3.6 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; dry.*
4									*3.6 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

GBLWC W:\GINT\GINTWPROJECTS\0747.01\GP33 TO GP73.GPJ 1/16/17

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP71**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/18/16 to 11/18/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**80**	**GP**		**GP71-S-0.3**			*0.0 to 0.2 feet: ASPHALT.*
				GRAB					*0.2 to 0.4 feet: COAL; black; 10% fines; 80% sand, fine to medium, angular; 10% gravel, fine, angular; loose; trace brick fragments; no odor; dry.*
2				**GRAB**		**GP71-S-1.0**			*0.4 to 4.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; medium to dense; no odor; dry.*
3									
4									*4.0 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

GBLWC W:\GINT\GINTWPROJECTS\0747.01\GP33 TO GP73.GPJ 1/16/17

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP72**	**1 of 1**

Project Name	***VSF Properties, LLC - North Cascade Ford***	*TOC Elevation (feet)*	
Project Location	***116 W. Ferry St., Sedro-Woolley, WA***	*Surface Elevation (feet)*	
Start/End Date	***11/18/16 to 11/18/16***	*Northing*	
Driller/Equipment	***Holt Services, Inc./Geoprobe 7800***	*Easting*	
Geologist/Engineer	***C. Wise***	*Hole Depth*	***5.0-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
			74	**GP**					*0.0 to 0.3 feet: ASPHALT.*
1				**GRAB**		**GP72-S-1.0**			*0.3 to 1.3 feet: SANDY SILT (ML); light brown to red brown; 70% fines; 30% sand, very fine; stiff; trace flecks of coal and burnt wood; no odor; dry.*
2				**GRAB**		**GP72-S-2.0**			*1.3 to 3.7 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; orange mottles; medium dense; no odor; dry.*
3									
4									*3.7 to 5.0 feet: no recovery.*
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

GBLWC W:\GINT\GINTWPROJECTS\0747.01\GP33 TO GP73.GPJ 1/16/17

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0747.01.06	**GP73**	**1 of 1**

Project Name	**VSF Properties, LLC - North Cascade Ford**	TOC Elevation (feet)	
Project Location	**116 W. Ferry St., Sedro-Woolley, WA**	Surface Elevation (feet)	
Start/End Date	**11/18/16 to 11/18/16**	Northing	
Driller/Equipment	**Holt Services, Inc./Geoprobe 7800**	Easting	
Geologist/Engineer	**C. Wise**	Hole Depth	**5.0-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			**80**	**GP GRAB**		**GP73-S-0.5**			0.0 to 0.3 feet: ASPHALT. 0.3 to 0.8 feet: SILTY SAND (SM); black to reddish brown; 20% fines; 70% sand, very fine to fine, angular to subangular; 10% gravel, very fine, angular to subangular; loose; some coal fragments with trace reddish white vesicular flakes; no odor; dry.
2				**GRAB**		**GP73-S-1.5**			0.8 to 4.0 feet: SILTY SAND (SM); light brown; 30% fines; 70% sand, very fine to fine; stiff; orange mottles; no odor; dry.
3									
4									4.0 to 5.0 feet: no recovery.
5									

Total Depth = 5.0 feet bgs.

Borehole Completion Details:
0.0 to 5.0 feet bgs: 2.25-inch borehole.
0.0 to 0.3 feet bgs: Asphalt.
0.3 to 5.0 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.*

GBLWC W:\GINT\GINTWPROJECTS\0747.01\GP33 TO GP73.GPJ 1/16/17

ATTACHMENT B

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**	GP34
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/14/2016
Sampling Event	November 2016	**Sample Name**	GP34-W-9.0
Sub Area		**Sample Depth**	9
FSDS QA:	RD 12/12/2016	**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**
11/14/2016	12:10	13	8.5	9.4	0.9	3.6	0.08

(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									
Final Field Parameters	12:20:00 PM	1	0.2	6.6	17.2	302			

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:

Cloudy purge water. Clear product, with strong odor, visible on interface probe tip.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	12:25:00 PM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	10	

General Sampling Comments

Began purge at 12:10.

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**	GP36
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/14/2016
Sampling Event	November 2016	**Sample Name**	GP36-W-11.0
Sub Area		**Sample Depth**	11
FSDS QA:	RD 12/12/2016	**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**
11/14/2016	15:30	16		10.84		5.16	0.12

(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									
Final Field Parameters	3:40:00 PM	0.2	0.2	6.57	16.8	345			

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:

Slightly cloudy.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	4:00:00 PM	VOA-Glass	6	No
			Amber Glass	6	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	13	

General Sampling Comments

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**	GP37
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/14/2016
Sampling Event	November 2016	**Sample Name**	GP37-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/14/2016	17:55	14		9.9		4.1	0.09

(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									
Final Field Parameters	6:00:00 PM	0.1	0.2	6.73	14.9	2.16			

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.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	6:10:00 PM	VOA-Glass	6	No
			Amber Glass	6	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	13	

General Sampling Comments

Began purge at 17:55.

Signature _____

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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**	GP38
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/15/2016
Sampling Event	November 2016	**Sample Name**	GP38-W-11.0
Sub Area		**Sample Depth**	11
FSDS QA:	RD 12/12/2016	**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**
11/15/2016	8:50	15		8.2		6.8	0.15

(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									
Final Field Parameters	8:55:00 AM	0.2	0.2	6.41	14.3	572			

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:

Cloudy and silty to slightly cloudy during sampling.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	9:00:00 AM	VOA-Glass	9	No
			Amber Glass	6	No
			White Poly	2	No
			Yellow Poly	1	No
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	3	Yes
			Total Bottles	21	

General Sampling Comments

Ferrous Iron = 1.75 mg/L per field test result.

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**	GP39
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/15/2016
Sampling Event	November 2016	**Sample Name**	GP39-W-7.0
Sub Area		**Sample Depth**	7
FSDS QA:	RD 12/12/2016	**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**
11/15/2016	10:45	15		6.4		8.6	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									
Final Field Parameters	10:55:00 AM	0.2	0.2	6.44	12.7	345			

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: Cloudy to clear.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	11:00:00 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 10:50.

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP40
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/15/2016
Sampling Event	November 2016	**Sample Name**	GP40-W-7.0
Sub Area		**Sample Depth**	7
FSDS QA:	RD 12/12/2016	**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**
11/15/2016	12:00	11		6.55		4.45	0.1

(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									
Final Field Parameters	12:10:00 PM	0.2	0.2	6.38	15.3	550			

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: Cloudy to clear during purging.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	12:15:00 PM	VOA-Glass	6	No
			Amber Glass	6	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	13	

General Sampling Comments Began purge at 12:05.

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP41
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/15/2016
Sampling Event	November 2016	**Sample Name**	GP41-W-11.5
Sub Area		**Sample Depth**	11.5
FSDS QA:	RD 12/12/2016	**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**
11/15/2016	13:45	15		11.1		3.9	0.09

(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									
Final Field Parameters	1:55:00 PM	0.1	0.2	6.68	14.3	99.9			

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:

Cloudy to clear during purging.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	2:00:00 PM	VOA-Glass	6	No
			Amber Glass	6	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	13	

General Sampling Comments

Began purge at 13:50.

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP42
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/15/2016
Sampling Event	November 2016	**Sample Name**	GP42-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/15/2016	15:15	14.5		9.2		5.3	0.12

(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									
Final Field Parameters	3:20:00 PM	0.15	0.2	6.31	12.9	322			

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:

Slightly cloudy.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	3:30:00 PM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	10	

General Sampling Comments

Began purge at 15:15.

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP43
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/15/2016
Sampling Event	November 2016	**Sample Name**	GP43-W-9.0
Sub Area		**Sample Depth**	9
FSDS QA:	RD 12/12/2016	**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**
11/15/2016	16:35	15		8		7	0.18

(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									
Final Field Parameters	4:40:00 PM	0.2	0.2	6.27	12.1	387.7			

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:

Brown globules present in purge water and on tip of probe. No measurable thickness. Clear.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	4:45:00 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

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP44
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP44-W-9.0
Sub Area		**Sample Depth**	9
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	9:00	15		8.2		6.8	0.16

(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									
Final Field Parameters	9:05:00 AM	0.2	0.2	6.45	10.9	801			

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 very silty and turbid and began to clear during purging. Some sheen in purge water.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	10:40:00 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

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP45
Project #	0747.01.06	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP45-W-13.0
Sub Area		**Sample Depth**	13
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	10:30	15		11		4	0.1

(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									
Final Field Parameters	10:58:00 AM	0.1	0.2	6.35	11.8	0.52			

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 very silty and turbid and began to clear during purging.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	10:40:00 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

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP46
Project #	0747.01.06	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP46-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	11:25	15		6.4		8.6	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									
Final Field Parameters	11:30:00 AM	0.4	0.2	6.18	13.2	154.6			

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:

Initially cloudy and turbid with a brown color to purge water. Started to clear after 10 minutes of purging.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	11:30:00 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

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP47
Project #	0747.01.06	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP47-W-8.0
Sub Area		**Sample Depth**	8
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	11:52	15		6.2		8.8	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									
Final Field Parameters	12:00:00 PM	0.2	0.2	6.25	13.4	161.4			

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, very silty turbid purge water. Began to clear after approximately 10 minutes of purging.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	12:10:00 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

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP48
Project #	0747.01.06	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP48-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	12:45	15		11.8		3.2	0.07

(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									
Final Field Parameters	1:05:00 PM	0.1	0.24	6.24	11.9	284			

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 silty and turbid to slightly turbid.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	1:00:00 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

@ 12:48: Started purge. Very silty and turbid. Purged dry at 12:50.
@ 1305: Resume purge, collect parameters, and sample. Water started to clear.
@ 13:10: Purged dry. Allowed time to recharge before filling last sample bottle.

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP49
Project #	0747.01.06	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP49-W-9.0
Sub Area		**Sample Depth**	9
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	13:30	13.5		7		6.5	0.15

(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	1:40:00 PM	0.1	0.2	6.34	12.7	248			
Final Field Parameters	1:44:00 PM	0.3	0.2	6.33	13.3	235			

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:

Slightly turbid to clear.

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

@ 13:38: Start purge. Slightly turbid to clear.
@ 13:40: More turbid.
@ 13:41: Slightly turbid and cloudy, but starting to clear.

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP50
Project #	0747.01.06	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP50-W-11.0
Sub Area		**Sample Depth**	11
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	14:30	15		10.2		4.8	0.11

(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									
Final Field Parameters	2:30:00 PM	0.1	0.2	6.03	15.9	550			

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 and brown.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	2:40:00 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 Purged dry at 14:36.

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP51
Project #	0747.01.06	**Sampler**	A. Kaparos
Project Name	North Cascade Ford	**Sampling Date**	11/16/2016
Sampling Event	November 2016	**Sample Name**	GP51-W-11.0
Sub Area		**Sample Depth**	11
FSDS QA:	RD 12/12/2016	**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**
11/16/2016	15:25	12		8.85		3.15	0.07

(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									
Final Field Parameters	3:30:00 PM	0.1	0.24	7.14	14.7	333			

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. Very turbid.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	3:50:00 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 Purged dry at 15:30.

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP52
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/17/2016
Sampling Event	November 2016	**Sample Name**	GP52-W-8.0
Sub Area		**Sample Depth**	8
FSDS QA:	RD 12/12/2016	**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**
11/17/2016	8:50	13		7.7		5.3	0.12

(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									
Final Field Parameters	8:55:00 AM	0.2	0.2	6.51	14.9	269			

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:

Slightly cloudy. No sheen. Slight odor.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	9:00:00 AM	VOA-Glass	6	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	11	

General Sampling Comments

Signature _____

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Water Field Sampling Data Sheet

Client Name	VSF Properties, LLC	**Sample Location**	GP53
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/17/2016
Sampling Event	November 2016	**Sample Name**	GP53-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/17/2016	10:25	14.5		14.2		0.3	0.006

(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									
Final Field Parameters	10:30:00 AM	0.1	0.1	6.17	10.9	123.3			

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:

Cloudy to slightly cloudy.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	10:30:00 AM	VOA-Glass	6	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	11	

General Sampling Comments

Well purged dry several times during filling of sample containers.

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**	GP54
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/17/2016
Sampling Event	November 2016	**Sample Name**	GP54-W-10.0
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/17/2016	12:05	14.5		9.15		5.35	0.12

(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									
Final Field Parameters	12:07:00 PM	0.2	0.2	6.8	14.1	369			

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:

Sheen in purge water. Slightly cloudy.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	12:10:00 PM	VOA-Glass	7	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	12	

General Sampling Comments

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**	MW01
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/28/2016
Sampling Event	November 2016	**Sample Name**	MW01-GW-112816
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/28/2016	9:45	13.43		6.12		7.31	1.19

(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	10:25:00 AM	1.25	0.2	6.43	13.17	406	2.8	-47.9	0.73
	10:30:00 AM	1.5	0.2	6.39	13.17	406	2.57	-57.9	0.81
	10:35:00 AM	1.75	0.2	6.44	13.13	407	2.27	-58.3	0.58
	10:40:00 AM	2	0.2	6.44	13.09	407	2.1	-61.7	0.47
	10:45:00 AM	2.25	0.2	6.43	12.79	407	2	-66.3	0.43
Final Field Parameters	10:50:00 AM	2.5	0.2	6.42	12.76	407	1.95	-66.6	0.45

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. Sheen and strong odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	11:00:00 AM	VOA-Glass	3	No
			Amber Glass	2	No
			White Poly	2	No
			Yellow Poly	1	No
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly	1	Yes
			Total Bottles	9	

General Sampling Comments

Began purge at 9:56.
Brown, viscous free product smeared on interface probe, but no measurable thickness was encountered.
Ferrous Iron = 1.75 mg/L per field test.

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**	MW01
Project #	0747.01.06	**Sampler**	C. Wise
Project Name	North Cascade Ford	**Sampling Date**	11/28/2016
Sampling Event	November 2016	**Sample Name**	MWDUP-GW-112816
Sub Area		**Sample Depth**	10
FSDS QA:	RD 12/12/2016	**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**
11/28/2016	9:45	13.43		6.12		7.31	1.19

(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	10:25:00 AM	1.25	0.2	6.43	13.17	406	2.8	-47.9	0.73
	10:30:00 AM	1.5	0.2	6.39	13.17	406	2.57	-51.9	0.81
	10:35:00 AM	1.75	0.2	6.44	13.13	407	2.27	-58.3	0.58
	10:40:00 AM	2	0.2	6.44	13.09	407	2.1	-61.7	0.47
	10:45:00 AM	2.25	0.2	6.43	12.79	407	2	-66.3	0.43
Final Field Parameters	10:50:00 AM	2.5	0.2	6.42	12.76	407	1.95	-66.6	0.45

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. Sheen and strong odor.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	11:00:00 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 9:56. Field duplicate.
Brown, viscous free product smeared on interface probe, but no measurable thickness was encountered.
Ferrous Iron = 1.75 mg/L per field test.

Signature _____

ATTACHMENT C

MW01 WELL REDEVELOPMENT FORM

MAUL FOSTER ALONGI

Well Development Form

Project No.	0747.01.06-03	Date	11/22/2016		
Site Location:	116 W. Ferry Street, Sedro-Woolley, WA	Well:	MW01		
Name:	C. Wise	Initial DTB:	13.42	Final DTB	13.43
Development Method:	Surge and purge	Initial DTW:	6.22	Final DTW	6.38
Total Water Removed:	11.6 gallons	Pore Volume:	1.14		
Water Contained	5-gallon buckets	Casing Diameter:	2-inch		

Time	Cum. Vol Removed	Turbidity NTU	pH	Conductivity (uS/cm)	Temp °C	DO (mg/L)	ORP	Comments
12:30	--	--	--	--	--	--	--	Surged with bailer. Brown/black product covered inside and outside of two bailers used during surge and purge. Sheen and brown globules in purge water.
	--	--	--	--	--	--	--	
	--	--	--	--	--	--	--	
	--	--	--	--	--	--	--	
12:35	--	--	--	--	--	--	--	Purged with bailer until clear.
12:45	4	--	--	--	--	--	--	Surge with bailer.
12:50	--	--	--	--	--	--	--	Purged with bailer.
13:00	8	--	--	--	--	--	--	Purged with bailer.
13:10	9	--	--	--	--	--	--	Purged with bailer.
13:12	--	--	--	--	--	--	--	Hooked up peristaltic pump to continue purge.
13:18	10	4.57	--	--	--	--	--	--
13:23	10.2	2.73	--	--	--	--	--	--
13:28	10.4	1.81	--	--	--	--	--	Hooked up YSI.
13:33	10.6	1.32	6.33	395	13.26	3.19	-72.9	Sheen and odor in purge water.
13:38	10.8	1.16	6.35	394	13.36	2.68	-80.6	
13:43	11	1.22	6.39	394	13.32	2.31	-87.1	
13:48	11.2	1.18	6.43	394	13.33	2.17	-89.9	
13:53	11.4	0.82	6.41	394	13.34	2	-92.9	
13:58	11.6	0.71	6.45	393	13.25	1.88	-95.3	Clear. Sheen and odor in purge water.

ATTACHMENT D

LABORATORY ANALYTICAL REPORTS

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

December 7, 2016

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

Re: Analytical Data for Project 0747.01.06-03
Laboratory Reference No. 1611-158

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on November 15, 2016.

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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

Case Narrative

Samples were collected on November 14, 2016 and received by the laboratory on November 15, 2016. 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.

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.

NWTPH-Gx (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.

The chromatogram for sample GP37-S-6.0 is similar to mineral spirits.

Surrogate recovery data is not available for sample GP37-S-6.0 due to the necessary dilution of the sample.

Sample GP37-S-6.0 was analyzed four days outside of the hold time.

Per client's request, samples GP36-S-5.0, GP36-S-7.0 and GP36-S-9.0 were analyzed one day outside of the holding time.

NWTPH-Gx (water) Analysis

Per client's request, sample GP36-W-11.0 was analyzed one day outside of the hold time.

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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
Gasoline Range Organics	**Detected**	24	NWTPH-HCID	11-17-16	11-17-16	
Diesel Fuel #1	**Detected**	60	NWTPH-HCID	11-17-16	11-17-16	M
Lube Oil	**Detected**	120	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*112*	*50-150*				
Client ID:	**GP37-S-8.5**					
Laboratory ID:	11-158-16					
Gasoline Range Organics	**ND**	29	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	72	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**Detected**	150	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				
Client ID:	**GP37-S-11.0**					
Laboratory ID:	11-158-17					
Gasoline Range Organics	**ND**	30	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	74	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	150	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-HCID
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117S1					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	50	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-HCID
CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPC1117F-T1	38067954	10 ppm
SPC1117R-T1	22625830	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1117F-T2	100	93.3	6.7	+/-15%
CCV1117F-T3	100	103	-2.8	+/-15%
CCV1117R-T1	100	103	-3.3	+/-15%
CCV1117R-T2	100	103	-3.3	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV1117F-T1	100	91.2	8.8	+/-15%
LOCCV1117R-T1	100	102	-2.4	+/-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.

Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-HCID

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
Gasoline Range Organics	**Detected**	0.11	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**Detected**	0.26	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**Detected**	0.42	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-HCID
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117W1					
Gasoline Range Organics	**ND**	0.10	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	0.25	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-HCID
CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPC1117R-T1	22625830	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1117R-T2	100	103	-3.3	+/-15%
CCV1117R-T3	100	114	-13.5	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV1117R-T1	100	102	-2.4	+/-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.

Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP33-S-6.0**					
Laboratory ID:	11-158-01					
Diesel Range Organics	**ND**	31	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				
Client ID:	**GP33-S-7.0**					
Laboratory ID:	11-158-02					
Diesel Range Organics	**ND**	33	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	66	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				
Client ID:	**GP33-S-8.0**					
Laboratory ID:	11-158-03					
Diesel Fuel #2	**8000**	170	NWTPH-Dx	11-21-16	11-22-16	
Lube Oil Range Organics	**ND**	360	NWTPH-Dx	11-21-16	11-22-16	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*112*	*50-150*				
Client ID:	**GP34-S-2.5**					
Laboratory ID:	11-158-04					
Diesel Range Organics	**ND**	32	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	64	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				
Client ID:	**GP34-S-6.4**					
Laboratory ID:	11-158-05					
Diesel Range Organics	**ND**	34	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	68	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*109*	*50-150*				
Client ID:	**GP34-S-7.5**					
Laboratory ID:	11-158-06					
Diesel Fuel #2	**3100**	34	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	110	NWTPH-Dx	11-21-16	11-21-16	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP35-S-5.5**					
Laboratory ID:	11-158-08					
Diesel Range Organics	**ND**	34	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	68	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**GP35-S-6.5**					
Laboratory ID:	11-158-09					
Diesel Range Organics	**ND**	34	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				
Client ID:	**GP35-S-12.0**					
Laboratory ID:	11-158-10					
Diesel Range Organics	**ND**	34	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*116*	*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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1121S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-01										
	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						*102*	*101*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1121S1										
Diesel Fuel #2	**96.4**		100		NA	**96**		58-132	NA	NA	
Surrogate:											
o-Terphenyl						*110*		*50-150*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1121F-T2	100	97.9	2.1	+/-15%
CCV1121F-T3	100	98.7	1.3	+/-15%
CCV1121F-T4	100	97.0	3.0	+/-15%
CCV1122R-T1	100	103.0	-3.0	+/-15%
CCV1122R-T2	100	109.0	-9.0	+/-15%

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Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP34-W-9.0**					
Laboratory ID:	11-158-07					
Diesel Fuel #2	**7.4**	0.27	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.77	NWTPH-Dx	11-20-16	11-21-16	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**GP36-W-11.0**					
Laboratory ID:	11-158-14					
Diesel Range Organics	**0.28**	0.26	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**0.44**	0.41	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				

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Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1120W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*144*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-142-01										
	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						*87*	*82*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1120W1										
Diesel Fuel #2	**1.05**		1.00		NA	**105**		58-113	NA	NA	
Surrogate:											
o-Terphenyl						*100*		*50-150*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1121F-T1	100	95.4	4.6	+/-15%
CCV1121F-T2	100	97.9	2.1	+/-15%
CCV1121F-T3	100	98.7	1.3	+/-15%
CCV1121R-T1	100	109	-9.0	+/-15%
CCV1121R-T2	100	106	-5.6	+/-15%
CCV1121R-T3	100	109	-8.8	+/-15%
CCV1121F-V1	100	103	-2.9	+/-15%
CCV1121F-V2	100	106	-6.2	+/-15%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
Dichlorodifluoromethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Chloromethane	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Vinyl Chloride	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Bromomethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Chloroethane	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Trichlorofluoromethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Acetone	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Iodomethane	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Carbon Disulfide	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Methylene Chloride	ND	0.70	EPA 8260C	11-16-16	11-16-16	
(trans) 1,2-Dichloroethene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Methyl t-Butyl Ether	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Vinyl Acetate	ND	0.35	EPA 8260C	11-16-16	11-16-16	
2,2-Dichloropropane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
(cis) 1,2-Dichloroethene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
2-Butanone	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Bromochloromethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Chloroform	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,1,1-Trichloroethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Carbon Tetrachloride	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloropropene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Benzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloroethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Trichloroethene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloropropane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Dibromomethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Bromodichloromethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
2-Chloroethyl Vinyl Ether	ND	0.35	EPA 8260C	11-16-16	11-16-16	
(cis) 1,3-Dichloropropene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Methyl Isobutyl Ketone	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Toluene	ND	0.35	EPA 8260C	11-16-16	11-16-16	
(trans) 1,3-Dichloropropene	ND	0.070	EPA 8260C	11-16-16	11-16-16	

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Laboratory Reference: 1611-158
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
1,1,2-Trichloroethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Tetrachloroethene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,3-Dichloropropane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
2-Hexanone	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Dibromochloromethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromoethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Chlorobenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,1,1,2-Tetrachloroethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Ethylbenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
m,p-Xylene	ND	0.14	EPA 8260C	11-16-16	11-16-16	
o-Xylene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Styrene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Bromoform	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Isopropylbenzene	0.36	0.070	EPA 8260C	11-16-16	11-16-16	
Bromobenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,1,2,2-Tetrachloroethane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichloropropane	ND	0.070	EPA 8260C	11-16-16	11-16-16	
n-Propylbenzene	1.3	0.070	EPA 8260C	11-16-16	11-16-16	
2-Chlorotoluene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
4-Chlorotoluene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,3,5-Trimethylbenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
tert-Butylbenzene	0.10	0.070	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trimethylbenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
sec-Butylbenzene	1.4	0.070	EPA 8260C	11-16-16	11-16-16	
1,3-Dichlorobenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
p-Isopropyltoluene	1.0	0.070	EPA 8260C	11-16-16	11-16-16	
1,4-Dichlorobenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
1,2-Dichlorobenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
n-Butylbenzene	1.6	0.070	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromo-3-chloropropane	ND	0.35	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trichlorobenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Hexachlorobutadiene	ND	0.35	EPA 8260C	11-16-16	11-16-16	
Naphthalene	0.55	0.070	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichlorobenzene	ND	0.070	EPA 8260C	11-16-16	11-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*73-134*				
Toluene-d8	*97*	*81-124*				
4-Bromofluorobenzene	*122*	*80-131*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-8.5**					
Laboratory ID:	11-158-16					
Dichlorodifluoromethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Chloromethane	ND	0.010	EPA 8260C	11-17-16	11-17-16	
Vinyl Chloride	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Bromomethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Chloroethane	ND	0.010	EPA 8260C	11-17-16	11-17-16	
Trichlorofluoromethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Acetone	0.26	0.010	EPA 8260C	11-17-16	11-17-16	
Iodomethane	ND	0.010	EPA 8260C	11-17-16	11-17-16	
Carbon Disulfide	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Methylene Chloride	ND	0.020	EPA 8260C	11-17-16	11-17-16	
(trans) 1,2-Dichloroethene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Methyl t-Butyl Ether	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Vinyl Acetate	ND	0.010	EPA 8260C	11-17-16	11-17-16	
2,2-Dichloropropane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
(cis) 1,2-Dichloroethene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
2-Butanone	0.060	0.010	EPA 8260C	11-17-16	11-17-16	
Bromochloromethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Chloroform	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,1,1-Trichloroethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Carbon Tetrachloride	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloropropene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Benzene	0.0075	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloroethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Trichloroethene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloropropane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Dibromomethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Bromodichloromethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260C	11-17-16	11-17-16	
(cis) 1,3-Dichloropropene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Methyl Isobutyl Ketone	ND	0.010	EPA 8260C	11-17-16	11-17-16	
Toluene	ND	0.010	EPA 8260C	11-17-16	11-17-16	
(trans) 1,3-Dichloropropene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-8.5**					
Laboratory ID:	11-158-16					
1,1,2-Trichloroethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Tetrachloroethene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,3-Dichloropropane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
2-Hexanone	ND	0.010	EPA 8260C	11-17-16	11-17-16	
Dibromochloromethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromoethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Chlorobenzene	0.016	0.0020	EPA 8260C	11-17-16	11-17-16	
1,1,1,2-Tetrachloroethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Ethylbenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
m,p-Xylene	ND	0.0040	EPA 8260C	11-17-16	11-17-16	
o-Xylene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Styrene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Bromoform	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Isopropylbenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Bromobenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,1,2,2-Tetrachloroethane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichloropropane	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
n-Propylbenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
2-Chlorotoluene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
4-Chlorotoluene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,3,5-Trimethylbenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
tert-Butylbenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trimethylbenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
sec-Butylbenzene	0.0043	0.0020	EPA 8260C	11-17-16	11-17-16	
1,3-Dichlorobenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
p-Isopropyltoluene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,4-Dichlorobenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2-Dichlorobenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
n-Butylbenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromo-3-chloropropane	ND	0.010	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trichlorobenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Hexachlorobutadiene	ND	0.010	EPA 8260C	11-17-16	11-17-16	
Naphthalene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichlorobenzene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*73-134*				
Toluene-d8	*103*	*81-124*				
4-Bromofluorobenzene	*98*	*80-131*				

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Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-11.0**					
Laboratory ID:	11-158-17					
Dichlorodifluoromethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Chloromethane	ND	0.010	EPA 8260C	11-16-16	11-16-16	
Vinyl Chloride	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Bromomethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Chloroethane	ND	0.010	EPA 8260C	11-16-16	11-16-16	
Trichlorofluoromethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Acetone	0.27	0.010	EPA 8260C	11-16-16	11-16-16	
Iodomethane	ND	0.010	EPA 8260C	11-16-16	11-16-16	
Carbon Disulfide	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Methylene Chloride	ND	0.020	EPA 8260C	11-16-16	11-16-16	
(trans) 1,2-Dichloroethene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Methyl t-Butyl Ether	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Vinyl Acetate	ND	0.010	EPA 8260C	11-16-16	11-16-16	
2,2-Dichloropropane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
(cis) 1,2-Dichloroethene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
2-Butanone	0.071	0.010	EPA 8260C	11-16-16	11-16-16	
Bromochloromethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Chloroform	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,1,1-Trichloroethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Carbon Tetrachloride	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloropropene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Benzene	0.0073	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloroethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Trichloroethene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloropropane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Dibromomethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Bromodichloromethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260C	11-16-16	11-16-16	
(cis) 1,3-Dichloropropene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Methyl Isobutyl Ketone	ND	0.010	EPA 8260C	11-16-16	11-16-16	
Toluene	ND	0.010	EPA 8260C	11-16-16	11-16-16	
(trans) 1,3-Dichloropropene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	

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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-11.0**					
Laboratory ID:	11-158-17					
1,1,2-Trichloroethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Tetrachloroethene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,3-Dichloropropane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
2-Hexanone	ND	0.010	EPA 8260C	11-16-16	11-16-16	
Dibromochloromethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromoethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Chlorobenzene	0.0030	0.0020	EPA 8260C	11-16-16	11-16-16	
1,1,1,2-Tetrachloroethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Ethylbenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
m,p-Xylene	ND	0.0041	EPA 8260C	11-16-16	11-16-16	
o-Xylene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Styrene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Bromoform	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Isopropylbenzene	0.0062	0.0020	EPA 8260C	11-16-16	11-16-16	
Bromobenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,1,2,2-Tetrachloroethane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichloropropane	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
n-Propylbenzene	0.020	0.0020	EPA 8260C	11-16-16	11-16-16	
2-Chlorotoluene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
4-Chlorotoluene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,3,5-Trimethylbenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
tert-Butylbenzene	0.0024	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trimethylbenzene	0.022	0.0020	EPA 8260C	11-16-16	11-16-16	
sec-Butylbenzene	0.019	0.0020	EPA 8260C	11-16-16	11-16-16	
1,3-Dichlorobenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
p-Isopropyltoluene	0.015	0.0020	EPA 8260C	11-16-16	11-16-16	
1,4-Dichlorobenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2-Dichlorobenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
n-Butylbenzene	0.019	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromo-3-chloropropane	ND	0.010	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trichlorobenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Hexachlorobutadiene	ND	0.010	EPA 8260C	11-16-16	11-16-16	
Naphthalene	0.0043	0.0020	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichlorobenzene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*73-134*				
Toluene-d8	*102*	*81-124*				
4-Bromofluorobenzene	*114*	*80-131*				

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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1116S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Chloromethane	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Vinyl Chloride	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Bromomethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Chloroethane	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Acetone	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Iodomethane	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Carbon Disulfide	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Methylene Chloride	ND	0.010	EPA 8260C	11-16-16	11-16-16	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Vinyl Acetate	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
2-Butanone	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Bromochloromethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Chloroform	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Benzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Trichloroethene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Dibromomethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Bromodichloromethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Toluene	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1116S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Tetrachloroethene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
2-Hexanone	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Dibromochloromethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Chlorobenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Ethylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
m,p-Xylene	ND	0.0020	EPA 8260C	11-16-16	11-16-16	
o-Xylene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Styrene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Bromoform	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Isopropylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Bromobenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
n-Propylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
2-Chlorotoluene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
4-Chlorotoluene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
tert-Butylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
sec-Butylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
n-Butylbenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	11-16-16	11-16-16	
Naphthalene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	11-16-16	11-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*73-134*				
Toluene-d8	*102*	*81-124*				
4-Bromofluorobenzene	*106*	*80-131*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1117S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chloromethane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Vinyl Chloride	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromomethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chloroethane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Acetone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Iodomethane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Carbon Disulfide	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Methylene Chloride	ND	0.010	EPA 8260C	11-17-16	11-17-16	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Vinyl Acetate	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Butanone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Bromochloromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chloroform	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Benzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Trichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Dibromomethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromodichloromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Toluene	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1117S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Tetrachloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Hexanone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Dibromochloromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Ethylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
m,p-Xylene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
o-Xylene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Styrene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromoform	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Isopropylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
n-Propylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Chlorotoluene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
4-Chlorotoluene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
tert-Butylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
sec-Butylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
n-Butylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Naphthalene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*73-134*				
Toluene-d8	*102*	*81-124*				
4-Bromofluorobenzene	*101*	*80-131*				

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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

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:	SB1116S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0357**	**0.0386**	0.0500	0.0500	71	77	66-127	8	15	
Benzene	**0.0458**	**0.0483**	0.0500	0.0500	92	97	76-122	5	15	
Trichloroethene	**0.0443**	**0.0472**	0.0500	0.0500	89	94	78-120	6	15	
Toluene	**0.0450**	**0.0476**	0.0500	0.0500	90	95	83-120	6	15	
Chlorobenzene	**0.0501**	**0.0510**	0.0500	0.0500	100	102	81-120	2	15	
Surrogate:										
Dibromofluoromethane					*103*	*105*	*73-134*			
Toluene-d8					*98*	*99*	*81-124*			
4-Bromofluorobenzene					*104*	*101*	*80-131*			

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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

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:	SB1117S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0440**	**0.0456**	0.0500	0.0500	88	91	66-127	4	15	
Benzene	**0.0452**	**0.0482**	0.0500	0.0500	90	96	76-122	6	15	
Trichloroethene	**0.0433**	**0.0452**	0.0500	0.0500	87	90	78-120	4	15	
Toluene	**0.0464**	**0.0479**	0.0500	0.0500	93	96	83-120	3	15	
Chlorobenzene	**0.0470**	**0.0485**	0.0500	0.0500	94	97	81-120	3	15	
Surrogate:										
Dibromofluoromethane					*98*	*101*	*73-134*			
Toluene-d8					*96*	*102*	*81-124*			
4-Bromofluorobenzene					*99*	*102*	*80-131*			

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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
Dichlorodifluoromethane	ND	0.28	EPA 8260C	11-16-16	11-16-16	
Chloromethane	ND	1.7	EPA 8260C	11-16-16	11-16-16	
Vinyl Chloride	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Bromomethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Chloroethane	ND	1.0	EPA 8260C	11-16-16	11-16-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Acetone	ND	5.0	EPA 8260C	11-16-16	11-16-16	
Iodomethane	ND	1.5	EPA 8260C	11-16-16	11-16-16	
Carbon Disulfide	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Methylene Chloride	ND	1.0	EPA 8260C	11-16-16	11-16-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Vinyl Acetate	ND	1.0	EPA 8260C	11-16-16	11-16-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
(cis) 1,2-Dichloroethene	0.31	0.20	EPA 8260C	11-16-16	11-16-16	
2-Butanone	ND	5.0	EPA 8260C	11-16-16	11-16-16	
Bromochloromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Chloroform	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Benzene	2.8	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloroethane	0.43	0.20	EPA 8260C	11-16-16	11-16-16	
Trichloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloropropane	0.29	0.20	EPA 8260C	11-16-16	11-16-16	
Dibromomethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Bromodichloromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
2-Chloroethyl Vinyl Ether	ND	3.2	EPA 8260C	11-16-16	11-16-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	11-16-16	11-16-16	
Toluene	ND	1.0	EPA 8260C	11-16-16	11-16-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-16-16	11-16-16	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
2-Hexanone	ND	2.0	EPA 8260C	11-16-16	11-16-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Chlorobenzene	60	0.20	EPA 8260C	11-16-16	11-16-16	E
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Ethylbenzene	0.25	0.20	EPA 8260C	11-16-16	11-16-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-16-16	11-16-16	
o-Xylene	0.22	0.20	EPA 8260C	11-16-16	11-16-16	
Styrene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Bromoform	ND	1.0	EPA 8260C	11-16-16	11-16-16	
Isopropylbenzene	0.98	0.20	EPA 8260C	11-16-16	11-16-16	
Bromobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
n-Propylbenzene	2.4	0.20	EPA 8260C	11-16-16	11-16-16	
2-Chlorotoluene	0.30	0.20	EPA 8260C	11-16-16	11-16-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
tert-Butylbenzene	0.27	0.20	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trimethylbenzene	3.9	0.20	EPA 8260C	11-16-16	11-16-16	
sec-Butylbenzene	1.5	0.20	EPA 8260C	11-16-16	11-16-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
p-Isopropyltoluene	1.1	0.20	EPA 8260C	11-16-16	11-16-16	
1,4-Dichlorobenzene	1.2	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichlorobenzene	0.54	0.20	EPA 8260C	11-16-16	11-16-16	
n-Butylbenzene	1.1	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromo-3-chloropropane	ND	1.4	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Naphthalene	2.3	1.3	EPA 8260C	11-16-16	11-16-16	Y
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*77-129*				
Toluene-d8	*96*	*80-127*				
4-Bromofluorobenzene	*99*	*80-125*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
Dichlorodifluoromethane	ND	28	EPA 8260C	11-16-16	11-16-16	
Chloromethane	ND	170	EPA 8260C	11-16-16	11-16-16	
Vinyl Chloride	ND	20	EPA 8260C	11-16-16	11-16-16	
Bromomethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Chloroethane	ND	100	EPA 8260C	11-16-16	11-16-16	
Trichlorofluoromethane	ND	20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethene	ND	20	EPA 8260C	11-16-16	11-16-16	
Acetone	ND	500	EPA 8260C	11-16-16	11-16-16	
Iodomethane	ND	150	EPA 8260C	11-16-16	11-16-16	
Carbon Disulfide	ND	20	EPA 8260C	11-16-16	11-16-16	
Methylene Chloride	ND	100	EPA 8260C	11-16-16	11-16-16	
(trans) 1,2-Dichloroethene	ND	20	EPA 8260C	11-16-16	11-16-16	
Methyl t-Butyl Ether	ND	20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Vinyl Acetate	ND	100	EPA 8260C	11-16-16	11-16-16	
2,2-Dichloropropane	ND	20	EPA 8260C	11-16-16	11-16-16	
(cis) 1,2-Dichloroethene	ND	20	EPA 8260C	11-16-16	11-16-16	
2-Butanone	ND	500	EPA 8260C	11-16-16	11-16-16	
Bromochloromethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Chloroform	ND	20	EPA 8260C	11-16-16	11-16-16	
1,1,1-Trichloroethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Carbon Tetrachloride	ND	20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloropropene	ND	20	EPA 8260C	11-16-16	11-16-16	
Benzene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloroethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Trichloroethene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloropropane	ND	20	EPA 8260C	11-16-16	11-16-16	
Dibromomethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Bromodichloromethane	ND	20	EPA 8260C	11-16-16	11-16-16	
2-Chloroethyl Vinyl Ether	ND	320	EPA 8260C	11-16-16	11-16-16	
(cis) 1,3-Dichloropropene	ND	20	EPA 8260C	11-16-16	11-16-16	
Methyl Isobutyl Ketone	ND	200	EPA 8260C	11-16-16	11-16-16	
Toluene	ND	100	EPA 8260C	11-16-16	11-16-16	
(trans) 1,3-Dichloropropene	ND	20	EPA 8260C	11-16-16	11-16-16	

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Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
1,1,2-Trichloroethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Tetrachloroethene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,3-Dichloropropane	ND	20	EPA 8260C	11-16-16	11-16-16	
2-Hexanone	ND	200	EPA 8260C	11-16-16	11-16-16	
Dibromochloromethane	ND	20	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromoethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Chlorobenzene	53	20	EPA 8260C	11-16-16	11-16-16	
1,1,1,2-Tetrachloroethane	ND	20	EPA 8260C	11-16-16	11-16-16	
Ethylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
m,p-Xylene	ND	40	EPA 8260C	11-16-16	11-16-16	
o-Xylene	ND	20	EPA 8260C	11-16-16	11-16-16	
Styrene	ND	20	EPA 8260C	11-16-16	11-16-16	
Bromoform	ND	100	EPA 8260C	11-16-16	11-16-16	
Isopropylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
Bromobenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,1,2,2-Tetrachloroethane	ND	20	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichloropropane	ND	20	EPA 8260C	11-16-16	11-16-16	
n-Propylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
2-Chlorotoluene	ND	20	EPA 8260C	11-16-16	11-16-16	
4-Chlorotoluene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,3,5-Trimethylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
tert-Butylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trimethylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
sec-Butylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,3-Dichlorobenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
p-Isopropyltoluene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,4-Dichlorobenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichlorobenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
n-Butylbenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromo-3-chloropropane	ND	140	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trichlorobenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
Hexachlorobutadiene	ND	20	EPA 8260C	11-16-16	11-16-16	
Naphthalene	ND	130	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichlorobenzene	ND	20	EPA 8260C	11-16-16	11-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*77-129*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*94*	*80-125*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1116W1					
Dichlorodifluoromethane	ND	0.28	EPA 8260C	11-16-16	11-16-16	
Chloromethane	ND	1.7	EPA 8260C	11-16-16	11-16-16	
Vinyl Chloride	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Bromomethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Chloroethane	ND	1.0	EPA 8260C	11-16-16	11-16-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Acetone	ND	5.0	EPA 8260C	11-16-16	11-16-16	
Iodomethane	ND	1.5	EPA 8260C	11-16-16	11-16-16	
Carbon Disulfide	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Methylene Chloride	ND	1.0	EPA 8260C	11-16-16	11-16-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Vinyl Acetate	ND	1.0	EPA 8260C	11-16-16	11-16-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
2-Butanone	ND	5.0	EPA 8260C	11-16-16	11-16-16	
Bromochloromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Chloroform	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Benzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Trichloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Dibromomethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Bromodichloromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
2-Chloroethyl Vinyl Ether	ND	3.2	EPA 8260C	11-16-16	11-16-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	11-16-16	11-16-16	
Toluene	ND	1.0	EPA 8260C	11-16-16	11-16-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-16-16	11-16-16	

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Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1116W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
2-Hexanone	ND	2.0	EPA 8260C	11-16-16	11-16-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Chlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-16-16	11-16-16	
o-Xylene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Styrene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Bromoform	ND	1.0	EPA 8260C	11-16-16	11-16-16	
Isopropylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Bromobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-16-16	11-16-16	
n-Propylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
tert-Butylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
sec-Butylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
p-Isopropyltoluene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
n-Butylbenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
1,2-Dibromo-3-chloropropane	ND	1.4	EPA 8260C	11-16-16	11-16-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Naphthalene	ND	1.3	EPA 8260C	11-16-16	11-16-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-16-16	11-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*77-129*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*96*	*80-125*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

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:	SB1116W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**7.87**	**7.70**	10.0	10.0	79	77	63-127	2	17	
Benzene	**9.65**	**9.62**	10.0	10.0	97	96	76-121	0	12	
Trichloroethene	**9.07**	**8.81**	10.0	10.0	91	88	64-114	3	15	
Toluene	**10.1**	**10.1**	10.0	10.0	101	101	82-115	0	13	
Chlorobenzene	**9.79**	**9.62**	10.0	10.0	98	96	80-115	2	14	
Surrogate:										
Dibromofluoromethane					*100*	*105*	*77-129*			
Toluene-d8					*97*	*99*	*80-127*			
4-Bromofluorobenzene					*90*	*88*	*80-125*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP33-S-6.0**					
Laboratory ID:	11-158-01					
Naphthalene	**ND**	0.0083	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0083	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0083	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*32 - 122*				
Pyrene-d10	*66*	*33 - 125*				
Terphenyl-d14	*68*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP33-S-7.0**					
Laboratory ID:	11-158-02					
Naphthalene	**ND**	0.0089	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*83*	*32 - 122*				
Pyrene-d10	*39*	*33 - 125*				
Terphenyl-d14	*68*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP33-S-8.0**					
Laboratory ID:	11-158-03					
Naphthalene	**0.65**	0.089	EPA 8270D/SIM	11-17-16	11-18-16	
2-Methylnaphthalene	**3.0**	0.089	EPA 8270D/SIM	11-17-16	11-18-16	
1-Methylnaphthalene	**1.9**	0.089	EPA 8270D/SIM	11-17-16	11-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*96*	*32 - 122*				
Pyrene-d10	*80*	*33 - 125*				
Terphenyl-d14	*80*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP34-S-2.5**					
Laboratory ID:	11-158-04					
Naphthalene	**ND**	0.0085	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0085	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0085	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*82*	*32 - 122*				
Pyrene-d10	*72*	*33 - 125*				
Terphenyl-d14	*74*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP34-S-6.4**					
Laboratory ID:	11-158-05					
Naphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*80*	*32 - 122*				
Pyrene-d10	*69*	*33 - 125*				
Terphenyl-d14	*73*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP34-S-7.5**					
Laboratory ID:	11-158-06					
Naphthalene	**0.27**	0.045	EPA 8270D/SIM	11-17-16	11-18-16	
2-Methylnaphthalene	**0.41**	0.045	EPA 8270D/SIM	11-17-16	11-18-16	
1-Methylnaphthalene	**1.5**	0.045	EPA 8270D/SIM	11-17-16	11-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*91*	*32 - 122*				
Pyrene-d10	*74*	*33 - 125*				
Terphenyl-d14	*77*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP35-S-5.5**					
Laboratory ID:	11-158-08					
Naphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*81*	*32 - 122*				
Pyrene-d10	*73*	*33 - 125*				
Terphenyl-d14	*75*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP35-S-6.5**					
Laboratory ID:	11-158-09					
Naphthalene	**ND**	0.0092	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*94*	*32 - 122*				
Pyrene-d10	*78*	*33 - 125*				
Terphenyl-d14	*81*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP35-S-12.0**					
Laboratory ID:	11-158-10					
Naphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*85*	*32 - 122*				
Pyrene-d10	*78*	*33 - 125*				
Terphenyl-d14	*80*	*36 - 118*				

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Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
Naphthalene	**6.6**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
2-Methylnaphthalene	**13**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
1-Methylnaphthalene	**8.4**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Acenaphthylene	**0.19**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Acenaphthene	**0.38**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Fluorene	**0.67**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Phenanthrene	**1.5**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Anthracene	**ND**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Fluoranthene	**0.51**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Pyrene	**0.60**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Benzo[a]anthracene	**0.20**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Chrysene	**0.26**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Benzo[b]fluoranthene	**0.25**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Benzo(j,k)fluoranthene	**ND**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Benzo[a]pyrene	**0.21**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Dibenz[a,h]anthracene	**ND**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Benzo[g,h,i]perylene	**ND**	0.16	EPA 8270D/SIM	11-17-16	11-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*40*	*32 - 122*				
Pyrene-d10	*49*	*33 - 125*				
Terphenyl-d14	*57*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-8.5**					
Laboratory ID:	11-158-16					
Naphthalene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**0.011**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Acenaphthylene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Acenaphthene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Fluorene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Phenanthrene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Anthracene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Pyrene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Chrysene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo(j,k)fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*82*	*32 - 122*				
Pyrene-d10	*69*	*33 - 125*				
Terphenyl-d14	*70*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-11.0**					
Laboratory ID:	11-158-17					
Naphthalene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**0.011**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Acenaphthylene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Acenaphthene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Fluorene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Phenanthrene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Anthracene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Fluoranthene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Pyrene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[a]anthracene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Chrysene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[b]fluoranthene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo(j,k)fluoranthene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[a]pyrene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Dibenz[a,h]anthracene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[g,h,i]perylene	**ND**	0.0099	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*81*	*32 - 122*				
Pyrene-d10	*69*	*33 - 125*				
Terphenyl-d14	*72*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1117S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*89*	*32 - 122*				
Pyrene-d10	*75*	*33 - 125*				
Terphenyl-d14	*76*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs 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:	SB1117S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0776**	**0.0739**	0.0833	0.0833	93	89	58 - 114	5	18	
Acenaphthylene	**0.0911**	**0.0862**	0.0833	0.0833	109	103	54 - 127	6	15	
Acenaphthene	**0.0797**	**0.0771**	0.0833	0.0833	96	93	58 - 119	3	15	
Fluorene	**0.0858**	**0.0813**	0.0833	0.0833	103	98	60 - 123	5	15	
Phenanthrene	**0.0865**	**0.0842**	0.0833	0.0833	104	101	54 - 120	3	15	
Anthracene	**0.117**	**0.114**	0.0833	0.0833	140	137	55 - 152	3	15	
Fluoranthene	**0.0818**	**0.0803**	0.0833	0.0833	98	96	56 - 129	2	15	
Pyrene	**0.0809**	**0.0789**	0.0833	0.0833	97	95	60 - 126	3	15	
Benzo[a]anthracene	**0.0840**	**0.0826**	0.0833	0.0833	101	99	56 - 137	2	15	
Chrysene	**0.0796**	**0.0766**	0.0833	0.0833	96	92	59 - 122	4	15	
Benzo[b]fluoranthene	**0.0903**	**0.0918**	0.0833	0.0833	108	110	46 - 133	2	21	
Benzo(j,k)fluoranthene	**0.0781**	**0.0740**	0.0833	0.0833	94	89	47 - 129	5	21	
Benzo[a]pyrene	**0.0897**	**0.0877**	0.0833	0.0833	108	105	54 - 132	2	15	
Indeno(1,2,3-c,d)pyrene	**0.0805**	**0.0775**	0.0833	0.0833	97	93	54 - 129	4	15	
Dibenz[a,h]anthracene	**0.0884**	**0.0846**	0.0833	0.0833	106	102	59 - 122	4	15	
Benzo[g,h,i]perylene	**0.0832**	**0.0821**	0.0833	0.0833	100	99	57 - 125	1	16	
Surrogate:										
2-Fluorobiphenyl					*104*	*96*	*32 - 122*			
Pyrene-d10					*88*	*84*	*33 - 125*			
Terphenyl-d14					*89*	*85*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP36-S-5.0**					
Laboratory ID:	11-158-11					
Naphthalene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
2-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
1-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthylene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Fluorene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Phenanthrene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Anthracene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Fluoranthene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Pyrene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]anthracene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Chrysene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[b]fluoranthene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo(j,k)fluoranthene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]pyrene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Dibenz[a,h]anthracene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[g,h,i]perylene	**ND**	0.0086	EPA 8270D/SIM	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*52*	*32 - 122*				
Pyrene-d10	*51*	*33 - 125*				
Terphenyl-d14	*50*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP36-S-7.0**					
Laboratory ID:	11-158-12					
Naphthalene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
2-Methylnaphthalene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
1-Methylnaphthalene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthylene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Fluorene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Phenanthrene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Anthracene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Pyrene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Chrysene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo(j,k)fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*49*	*32 - 122*				
Pyrene-d10	*57*	*33 - 125*				
Terphenyl-d14	*57*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP36-S-9.0**					
Laboratory ID:	11-158-13					
Naphthalene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
2-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
1-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthylene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Fluorene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Phenanthrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Anthracene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Pyrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Chrysene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[b]fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo(j,k)fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]pyrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Dibenz[a,h]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[g,h,i]perylene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*42*	*32 - 122*				
Pyrene-d10	*48*	*33 - 125*				
Terphenyl-d14	*50*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1128S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*63*	*32 - 122*				
Pyrene-d10	*69*	*33 - 125*				
Terphenyl-d14	*81*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs 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:	11-158-11										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0514**	**0.0493**	0.0833	0.0833	ND	62	59	39 - 112	4	27	
Acenaphthylene	**0.0547**	**0.0502**	0.0833	0.0833	ND	66	60	40 - 121	9	34	
Acenaphthene	**0.0548**	**0.0515**	0.0833	0.0833	ND	66	62	44 - 113	6	28	
Fluorene	**0.0575**	**0.0537**	0.0833	0.0833	ND	69	64	43 - 119	7	27	
Phenanthrene	**0.0551**	**0.0516**	0.0833	0.0833	ND	66	62	35 - 124	7	30	
Anthracene	**0.0914**	**0.0856**	0.0833	0.0833	ND	110	103	30 - 140	7	26	
Fluoranthene	**0.0572**	**0.0528**	0.0833	0.0833	ND	69	63	29 - 136	8	32	
Pyrene	**0.0574**	**0.0542**	0.0833	0.0833	ND	69	65	35 - 128	6	33	
Benzo[a]anthracene	**0.0651**	**0.0616**	0.0833	0.0833	ND	78	74	30 - 143	6	31	
Chrysene	**0.0568**	**0.0536**	0.0833	0.0833	ND	68	64	32 - 129	6	33	
Benzo[b]fluoranthene	**0.0586**	**0.0539**	0.0833	0.0833	ND	70	65	23 - 140	8	29	
Benzo(j,k)fluoranthene	**0.0570**	**0.0551**	0.0833	0.0833	ND	68	66	32 - 119	3	30	
Benzo[a]pyrene	**0.0569**	**0.0539**	0.0833	0.0833	ND	68	65	31 - 131	5	32	
Indeno(1,2,3-c,d)pyrene	**0.0578**	**0.0541**	0.0833	0.0833	ND	69	65	31 - 130	7	28	
Dibenz[a,h]anthracene	**0.0574**	**0.0546**	0.0833	0.0833	ND	69	66	40 - 119	5	27	
Benzo[g,h,i]perylene	**0.0562**	**0.0538**	0.0833	0.0833	ND	67	65	39 - 119	4	29	
Surrogate:											
2-Fluorobiphenyl						*59*	*55*	*32 - 122*			
Pyrene-d10						*61*	*57*	*33 - 125*			
Terphenyl-d14						*59*	*56*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs 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:	SB1128S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0593**	**0.0600**	0.0833	0.0833	71	72	58 - 114	1	18	
Acenaphthylene	**0.0620**	**0.0632**	0.0833	0.0833	74	76	54 - 127	2	15	
Acenaphthene	**0.0609**	**0.0630**	0.0833	0.0833	73	76	58 - 119	3	15	
Fluorene	**0.0641**	**0.0684**	0.0833	0.0833	77	82	60 - 123	6	15	
Phenanthrene	**0.0633**	**0.0668**	0.0833	0.0833	76	80	54 - 120	5	15	
Anthracene	**0.105**	**0.111**	0.0833	0.0833	126	133	55 - 152	6	15	
Fluoranthene	**0.0650**	**0.0683**	0.0833	0.0833	78	82	56 - 129	5	15	
Pyrene	**0.0651**	**0.0684**	0.0833	0.0833	78	82	60 - 126	5	15	
Benzo[a]anthracene	**0.0724**	**0.0793**	0.0833	0.0833	87	95	56 - 137	9	15	
Chrysene	**0.0654**	**0.0689**	0.0833	0.0833	79	83	59 - 122	5	15	
Benzo[b]fluoranthene	**0.0634**	**0.0782**	0.0833	0.0833	76	94	46 - 133	21	21	
Benzo(j,k)fluoranthene	**0.0694**	**0.0710**	0.0833	0.0833	83	85	47 - 129	2	21	
Benzo[a]pyrene	**0.0660**	**0.0698**	0.0833	0.0833	79	84	54 - 132	6	15	
Indeno(1,2,3-c,d)pyrene	**0.0650**	**0.0680**	0.0833	0.0833	78	82	54 - 129	5	15	
Dibenz[a,h]anthracene	**0.0655**	**0.0682**	0.0833	0.0833	79	82	59 - 122	4	15	
Benzo[g,h,i]perylene	**0.0628**	**0.0660**	0.0833	0.0833	75	79	57 - 125	5	16	
Surrogate:										
2-Fluorobiphenyl					*64*	*60*	*32 - 122*			
Pyrene-d10					*70*	*72*	*33 - 125*			
Terphenyl-d14					*74*	*72*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP34-W-9.0**					
Laboratory ID:	11-158-07					
Naphthalene	**43**	1.9	EPA 8270D/SIM	11-18-16	11-18-16	
2-Methylnaphthalene	**88**	1.9	EPA 8270D/SIM	11-18-16	11-18-16	
1-Methylnaphthalene	**72**	1.9	EPA 8270D/SIM	11-18-16	11-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*79*	*30 - 124*				
Pyrene-d10	*65*	*40 - 143*				
Terphenyl-d14	*84*	*27 - 127*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
Naphthalene	**2.6**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
2-Methylnaphthalene	**2.0**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
1-Methylnaphthalene	**1.5**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Acenaphthylene	**ND**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Acenaphthene	**ND**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Fluorene	**ND**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Phenanthrene	**ND**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Anthracene	**0.12**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Fluoranthene	**ND**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Pyrene	**ND**	0.096	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Chrysene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo(j,k)fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270D/SIM	11-18-16	11-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*75*	*30 - 124*				
Pyrene-d10	*66*	*40 - 143*				
Terphenyl-d14	*85*	*27 - 127*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1118W1					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Acenaphthene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Fluorene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Anthracene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Pyrene	**ND**	0.10	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[a]anthracene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Chrysene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[a]pyrene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270D/SIM	11-18-16	11-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*30 - 124*				
Pyrene-d10	*72*	*40 - 143*				
Terphenyl-d14	*86*	*27 - 127*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PAHs 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:	SB1118W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.358**	**0.391**	0.500	0.500	72	78	29 - 101	9	47	
Acenaphthylene	**0.401**	**0.441**	0.500	0.500	80	88	20 - 117	10	50	
Acenaphthene	**0.415**	**0.407**	0.500	0.500	83	81	37 - 109	2	43	
Fluorene	**0.407**	**0.418**	0.500	0.500	81	84	47 - 108	3	34	
Phenanthrene	**0.423**	**0.447**	0.500	0.500	85	89	49 - 109	6	28	
Anthracene	**0.547**	**0.572**	0.500	0.500	109	114	34 - 140	4	32	
Fluoranthene	**0.394**	**0.417**	0.500	0.500	79	83	45 - 120	6	39	
Pyrene	**0.446**	**0.473**	0.500	0.500	89	95	42 - 133	6	39	
Benzo[a]anthracene	**0.417**	**0.437**	0.500	0.500	83	87	71 - 117	5	28	
Chrysene	**0.389**	**0.421**	0.500	0.500	78	84	53 - 110	8	25	
Benzo[b]fluoranthene	**0.473**	**0.486**	0.500	0.500	95	97	53 - 123	3	37	
Benzo(j,k)fluoranthene	**0.382**	**0.434**	0.500	0.500	76	87	52 - 119	13	41	
Benzo[a]pyrene	**0.430**	**0.458**	0.500	0.500	86	92	37 - 129	6	33	
Indeno(1,2,3-c,d)pyrene	**0.381**	**0.413**	0.500	0.500	76	83	45 - 128	8	31	
Dibenz[a,h]anthracene	**0.422**	**0.466**	0.500	0.500	84	93	54 - 120	10	30	
Benzo[g,h,i]perylene	**0.408**	**0.440**	0.500	0.500	82	88	49 - 117	8	29	
Surrogate:										
2-Fluorobiphenyl					*80*	*72*	*30 - 124*			
Pyrene-d10					*71*	*74*	*40 - 143*			
Terphenyl-d14					*83*	*92*	*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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
Aroclor 1016	**ND**	0.060	EPA 8082A	11-16-16	11-17-16	
Aroclor 1221	**ND**	0.060	EPA 8082A	11-16-16	11-17-16	
Aroclor 1232	**ND**	0.060	EPA 8082A	11-16-16	11-17-16	
Aroclor 1242	**0.098**	0.060	EPA 8082A	11-16-16	11-17-16	
Aroclor 1248	**ND**	0.060	EPA 8082A	11-16-16	11-17-16	
Aroclor 1254	**ND**	0.060	EPA 8082A	11-16-16	11-17-16	
Aroclor 1260	**0.17**	0.060	EPA 8082A	11-16-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*42-139*				
Client ID:	**GP37-S-8.5**					
Laboratory ID:	11-158-16					
Aroclor 1016	**ND**	0.072	EPA 8082A	11-16-16	11-17-16	
Aroclor 1221	**ND**	0.072	EPA 8082A	11-16-16	11-17-16	
Aroclor 1232	**ND**	0.072	EPA 8082A	11-16-16	11-17-16	
Aroclor 1242	**ND**	0.072	EPA 8082A	11-16-16	11-17-16	
Aroclor 1248	**ND**	0.072	EPA 8082A	11-16-16	11-17-16	
Aroclor 1254	**ND**	0.072	EPA 8082A	11-16-16	11-17-16	
Aroclor 1260	**ND**	0.072	EPA 8082A	11-16-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*65*	*42-139*				
Client ID:	**GP37-S-11.0**					
Laboratory ID:	11-158-17					
Aroclor 1016	**ND**	0.074	EPA 8082A	11-16-16	11-17-16	
Aroclor 1221	**ND**	0.074	EPA 8082A	11-16-16	11-17-16	
Aroclor 1232	**ND**	0.074	EPA 8082A	11-16-16	11-17-16	
Aroclor 1242	**ND**	0.074	EPA 8082A	11-16-16	11-17-16	
Aroclor 1248	**ND**	0.074	EPA 8082A	11-16-16	11-17-16	
Aroclor 1254	**ND**	0.074	EPA 8082A	11-16-16	11-17-16	
Aroclor 1260	**ND**	0.074	EPA 8082A	11-16-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*68*	*42-139*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1116S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	11-16-16	11-17-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	11-16-16	11-17-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	11-16-16	11-17-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	11-16-16	11-17-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	11-16-16	11-17-16	
Aroclor 1254	**ND**	0.050	EPA 8082A	11-16-16	11-17-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	11-16-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*42-139*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-100-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.410**	**0.453**	0.500	0.500	ND	**82**	**91**	26-127	10	22	
Surrogate:											
DCB						*84*	*83*	*42-139*			
SPIKE BLANK											
Laboratory ID:	SB1116S1										
Aroclor 1260	**0.444**		0.500		N/A	**89**		63-134			
Surrogate:											
DCB						*85*		*42-139*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PCB's EPA 8082A
CONTINUING CALIBRATION SUMMARY

Lab ID	Analyte	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Column 1					
PCBCCV 1117-2	Aroclor 1016	500	484	3.2	+/- 15%
PCBCCV 1117-2	Aroclor 1260	500	482	3.6	+/- 15%
Column 2					
PCBCCV 1117-2	Aroclor 1016	500	490	2.0	+/- 15%
PCBCCV 1117-2	Aroclor 1260	500	501	-0.20	+/- 15%
Column 1					
PCBCCV 1117-3	Aroclor 1016	500	492	1.6	+/- 15%
PCBCCV 1117-3	Aroclor 1260	500	494	1.2	+/- 15%
Column 2					
PCBCCV 1117-3	Aroclor 1016	500	490	2.0	+/- 15%
PCBCCV 1117-3	Aroclor 1260	500	509	-1.8	+/- 15%
Column 1					
PCBCCV 1117-4	Aroclor 1016	500	473	5.4	+/- 15%
PCBCCV 1117-4	Aroclor 1260	500	477	4.6	+/- 15%
Column 2					
PCBCCV 1117-4	Aroclor 1016	500	493	1.4	+/- 15%
PCBCCV 1117-4	Aroclor 1260	500	473	5.4	+/- 15%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PCBs
EPA 8082A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
Aroclor 1016	**ND**	0.048	EPA 8082A	11-21-16	11-21-16	
Aroclor 1221	**ND**	0.048	EPA 8082A	11-21-16	11-21-16	
Aroclor 1232	**ND**	0.048	EPA 8082A	11-21-16	11-21-16	
Aroclor 1242	**ND**	0.048	EPA 8082A	11-21-16	11-21-16	
Aroclor 1248	**ND**	0.048	EPA 8082A	11-21-16	11-21-16	
Aroclor 1254	**ND**	0.048	EPA 8082A	11-21-16	11-21-16	
Aroclor 1260	**ND**	0.048	EPA 8082A	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*26-154*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1121W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	11-21-16	11-21-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	11-21-16	11-21-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	11-21-16	11-21-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	11-21-16	11-21-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	11-21-16	11-21-16	
Aroclor 1254	**ND**	0.050	EPA 8082A	11-21-16	11-21-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*26-154*				

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Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1121W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.421**	**0.433**	0.500	0.500	N/A	**84**	**87**	63-116	3	12	
Surrogate:											
DCB						*88*	*86*	*26-154*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

PCB's EPA 8082A
CONTINUING CALIBRATION SUMMARY

Lab ID	Analyte	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Column 1					
PCBCCV 1121-3	Aroclor 1016	500	489	2.2	+/- 15%
PCBCCV 1121-3	Aroclor 1260	500	473	5.4	+/- 15%
Column 2					
PCBCCV 1121-3	Aroclor 1016	500	478	4.4	+/- 15%
PCBCCV 1121-3	Aroclor 1260	500	482	3.6	+/- 15%
Column 1					
PCBCCV 1121-4	Aroclor 1016	500	507	-1.4	+/- 15%
PCBCCV 1121-4	Aroclor 1260	500	488	2.4	+/- 15%
Column 2					
PCBCCV 1121-4	Aroclor 1016	500	488	2.4	+/- 15%
PCBCCV 1121-4	Aroclor 1260	500	492	1.6	+/- 15%

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-158-15					
Client ID:	**GP37-S-6.0**					
Cadmium	**ND**	0.60	6010C	11-22-16	11-23-16	
Chromium	**10**	0.60	6010C	11-22-16	11-23-16	
Lead	**ND**	6.0	6010C	11-22-16	11-23-16	
Nickel	**9.3**	3.0	6010C	11-22-16	11-23-16	
Zinc	**35**	3.0	6010C	11-22-16	11-23-16	
Lab ID:	11-158-16					
Client ID:	**GP37-S-8.5**					
Cadmium	**ND**	0.72	6010C	11-22-16	11-23-16	
Chromium	**29**	0.72	6010C	11-22-16	11-23-16	
Lead	**ND**	7.2	6010C	11-22-16	11-23-16	
Nickel	**30**	3.6	6010C	11-22-16	11-23-16	
Zinc	**44**	3.6	6010C	11-22-16	11-23-16	
Lab ID:	11-158-17					
Client ID:	**GP37-S-11.0**					
Cadmium	**ND**	0.74	6010C	11-22-16	11-23-16	
Chromium	**39**	0.74	6010C	11-22-16	11-23-16	
Lead	**ND**	7.4	6010C	11-22-16	11-23-16	
Nickel	**39**	3.7	6010C	11-22-16	11-23-16	
Zinc	**58**	3.7	6010C	11-22-16	11-23-16	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1122SM2

Analyte	Method	Result	PQL
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Nickel	6010C	**ND**	2.5
Zinc	6010C	**ND**	2.5

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-158-15

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**8.40**	**8.00**	5	0.50	
Lead	**ND**	**ND**	NA	5.0	
Nickel	**7.75**	**7.85**	1	2.5	
Zinc	**28.7**	**28.6**	0	2.5	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-158-15

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Cadmium	50.0	**49.1**	98	**48.0**	96	2	
Chromium	100	**107**	98	**105**	96	2	
Lead	250	**244**	98	**243**	97	1	
Nickel	100	**107**	99	**106**	98	1	
Zinc	100	**129**	101	**126**	97	3	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1122SM2

Analyte	Method	Spike Level	SB Result	Percent Recovery
Cadmium	6010C	50.0	**49.8**	100
Chromium	6010C	100	**104**	104
Lead	6010C	250	**255**	102
Nickel	6010C	100	**105**	105
Zinc	6010C	100	**99.2**	99

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Cadmium	ICV1112316P	1.00	1.04	-4.0	+/- 10%
Chromium	ICV1112316P	1.00	1.04	-4.0	+/- 10%
Lead	ICV1112316P	1.00	1.01	-1.0	+/- 10%
Nickel	ICV1112316P	1.00	1.03	-3.0	+/- 10%
Zinc	ICV1112316P	1.00	1.02	-2.0	+/- 10%
Cadmium	LLICV1112316P	0.0100	0.00762	24	+/- 30%
Chromium	LLICV1112316P	0.0100	0.0103	-3.0	+/- 30%
Lead	LLICV1112316P	0.100	0.107	-7.0	+/- 30%
Nickel	LLICV1112316P	0.0200	0.0171	15	+/- 30%
Zinc	LLICV1112316P	0.0200	0.0188	6.0	+/- 30%
Cadmium	CCV1112316P	1.00	0.941	5.9	+/- 10%
Chromium	CCV1112316P	1.00	0.970	3.0	+/- 10%
Lead	CCV1112316P	10.0	9.51	4.9	+/- 10%
Nickel	CCV1112316P	2.00	1.92	4.0	+/- 10%
Zinc	CCV1112316P	2.00	1.94	3.0	+/- 10%
Cadmium	CCV2112316P	1.00	0.986	1.4	+/- 10%
Chromium	CCV2112316P	1.00	1.01	-1.0	+/- 10%
Lead	CCV2112316P	10.0	9.97	0.30	+/- 10%
Nickel	CCV2112316P	2.00	2.02	-1.0	+/- 10%
Zinc	CCV2112316P	2.00	2.01	-0.50	+/- 10%
Cadmium	LLCCV2112316P	0.0100	0.00754	25	+/- 30%
Chromium	LLCCV2112316P	0.0100	0.00997	0.30	+/- 30%
Lead	LLCCV2112316P	0.100	0.0960	4.0	+/- 30%
Nickel	LLCCV2112316P	0.0200	0.0168	16	+/- 30%
Zinc	LLCCV2112316P	0.0200	0.0187	6.5	+/- 30%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-158-18					
Client ID:	**GP37-W-10.0**					
Cadmium	**ND**	4.0	200.8		11-17-16	
Chromium	**ND**	10	200.8		11-17-16	
Lead	**ND**	1.0	200.8		11-17-16	
Nickel	**ND**	20	200.8		11-17-16	
Zinc	**ND**	25	200.8		11-17-16	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

DISSOLVED METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1111F1

Analyte	Method	Result	PQL
Cadmium	200.8	**ND**	4.0
Chromium	200.8	**ND**	10
Lead	200.8	**ND**	1.0
Nickel	200.8	**ND**	20
Zinc	200.8	**ND**	25

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

DISSOLVED METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-130-08

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Cadmium	**ND**	**ND**	NA	4.0	
Chromium	**ND**	**ND**	NA	10	
Lead	**ND**	**ND**	NA	1.0	
Nickel	**ND**	**ND**	NA	20	
Zinc	**ND**	**ND**	NA	25	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

DISSOLVED METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-130-08

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Cadmium	200	**204**	102	**202**	101	1	
Chromium	200	**188**	94	**191**	95	2	
Lead	200	**185**	93	**183**	91	2	
Nickel	200	**188**	94	**190**	95	1	
Zinc	200	**220**	110	**219**	110	0	

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

DISSOLVED METALS
EPA 200.8
SPIKE BLANK QUALITY CONTROL

Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1111F1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Cadmium	200.8	200	**200**	100
Chromium	200.8	200	**188**	94
Lead	200.8	200	**186**	93
Nickel	200.8	200	**191**	95
Zinc	200.8	200	**209**	104

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

DISSOLVED METALS
EPA 200.8
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Cadmium	ICV111716X	0.0500	0.0519	-3.8	+/- 10%
Chromium	ICV111716X	0.0500	0.0509	-1.8	+/- 10%
Lead	ICV111716X	0.0500	0.0502	-0.40	+/- 10%
Nickel	ICV111716X	0.0500	0.0508	-1.6	+/- 10%
Zinc	ICV111716X	0.0500	0.0518	-3.6	+/- 10%
Cadmium	CCV1111716X	0.0400	0.0393	1.8	+/- 10%
Chromium	CCV1111716X	0.0400	0.0391	2.3	+/- 10%
Lead	CCV1111716X	0.0400	0.0378	5.5	+/- 10%
Nickel	CCV1111716X	0.0400	0.0394	1.5	+/- 10%
Zinc	CCV1111716X	0.0400	0.0391	2.3	+/- 10%
Cadmium	CCV1111716X	0.0200	0.0197	1.5	+/- 10%
Chromium	CCV1111716X	0.0200	0.0196	2.0	+/- 10%
Lead	CCV1111716X	0.0200	0.0191	4.5	+/- 10%
Nickel	CCV1111716X	0.0200	0.0196	2.0	+/- 10%
Zinc	CCV1111716X	0.0200	0.0197	1.5	+/- 10%
Cadmium	CCV2111716X	0.0400	0.0384	4.0	+/- 10%
Chromium	CCV2111716X	0.0400	0.0382	4.5	+/- 10%
Lead	CCV2111716X	0.0400	0.0370	7.5	+/- 10%
Nickel	CCV2111716X	0.0400	0.0379	5.2	+/- 10%
Zinc	CCV2111716X	0.0400	0.0380	5.0	+/- 10%
Cadmium	CCV2111716X	0.0200	0.0200	0	+/- 10%
Chromium	CCV2111716X	0.0200	0.0192	4.0	+/- 10%
Lead	CCV2111716X	0.0200	0.0186	7.0	+/- 10%
Nickel	CCV2111716X	0.0200	0.0188	6.0	+/- 10%
Zinc	CCV2111716X	0.0200	0.0194	3.0	+/- 10%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
EDB	**ND**	0.0097	EPA 8011	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*120*	*25-143*				

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Laboratory Reference: 1611-158
Project: 0747.01.06-03

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:	MB1122W1					
EDB	**ND**	0.010	EPA 8011	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*97*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1122W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.0957**	**0.0984**	0.100	0.100	N/A	**96**	**98**	77-128	3	15	
Surrogate:											
TCMX						*102*	*108*	*25-143*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx + n-HEXANE EPA 8015M

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
n-Hexane	**ND**	1.0	EPA 8015M	11-23-16	11-23-16	
Gasoline	**400**	100	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*61-118*				

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Date of Report: December 7, 2016
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Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx + 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:	MB1123W3					
n-Hexane	**ND**	1.0	EPA 8015M	11-23-16	11-23-16	
Gasoline	**ND**	100	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-165-04										
	ORIG	DUP									
n-Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**388**	**418**	NA	NA		NA		NA	7	30	
Surrogate:											
Fluorobenzene						*104*	*100*	*61-118*			
SPIKE BLANKS											
Laboratory ID:	SB1123W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.2**	**49.7**	50.0	50.0		**98**	**99**	79-120	1	11	
Toluene	**49.7**	**49.9**	50.0	50.0		**99**	**100**	79-118	0	12	
Ethyl Benzene	**50.5**	**50.7**	50.0	50.0		**101**	**101**	80-117	0	12	
m,p-Xylene	**50.4**	**50.7**	50.0	50.0		**101**	**101**	80-117	1	12	
o-Xylene	**50.4**	**50.9**	50.0	50.0		**101**	**102**	80-116	1	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*61-118*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123G-1	5.00	4.95	1	+/- 20%
CCVD1123G-2	5.00	4.88	2	+/- 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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

n-HEXANE
EPA 8015M
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123B-1	50.0	53.0	-6	+/- 15%
CCVD1123B-2	50.0	52.9	-6	+/- 15%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

n-HEXANE
EPA 8015M

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
n-Hexane	**ND**	0.067	EPA 8015M	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*63-124*				
Client ID:	**GP37-S-8.5**					
Laboratory ID:	11-158-16					
n-Hexane	**ND**	0.097	EPA 8015M	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*63-124*				
Client ID:	**GP37-S-11.0**					
Laboratory ID:	11-158-17					
n-Hexane	**ND**	0.10	EPA 8015M	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*63-124*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

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:	MB1123S1					
n-Hexane	**ND**	0.010	EPA 8015M	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-165-01										
	ORIG	DUP									
n-Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*85*	*85*	*63-124*			
SPIKE BLANKS											
Laboratory ID:	SB1123S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.944**	**0.944**	1.00	1.00		**94**	**94**	70-124	0	12	
Toluene	**0.942**	**0.947**	1.00	1.00		**94**	**95**	73-119	1	12	
Ethyl Benzene	**0.944**	**0.942**	1.00	1.00		**94**	**94**	74-117	0	12	
m,p-Xylene	**1.03**	**0.961**	1.00	1.00		**103**	**96**	75-117	7	13	
o-Xylene	**0.979**	**0.959**	1.00	1.00		**98**	**96**	75-116	2	12	
Surrogate:											
Fluorobenzene						*89*	*91*	*63-124*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

n-HEXANE
EPA 8015M
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123B-1	50.0	53.0	-6	+/- 20%
CCVD1123B-2	50.0	52.9	-6	+/- 20%
CCVD1123B-3	50.0	52.3	-5	+/- 20%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
Gasoline	**3000**	130	NWTPH-Gx	11-23-16	12-2-16	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	--	*63-124*				S

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1123S1					
Gasoline	**ND**	5.0	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-215-01										
	ORIG	DUP									
Gasoline	**19.9**	**18.7**	NA	NA		NA		NA	6	30	
Surrogate:											
Fluorobenzene						*94*	*93*	*63-124*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123G-1	5.00	4.95	1	+/- 20%
CCVD1123G-2	5.00	4.88	2	+/- 20%
CCVD1202G-1	5.00	4.74	5	+/- 20%
CCVD1202G-2	5.00	4.78	4	+/- 20%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP36-S-5.0**					
Laboratory ID:	11-158-11					
Gasoline	**ND**	7.2	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*63-124*				
Client ID:	**GP36-S-7.0**					
Laboratory ID:	11-158-12					
Gasoline	**ND**	9.4	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*63-124*				
Client ID:	**GP36-S-9.0**					
Laboratory ID:	11-158-13					
Gasoline	**ND**	8.6	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*63-124*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S3					
Gasoline	**ND**	5.0	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-11										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*91*	*83*	*63-124*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVH1129G-1	5.00	5.01	0	+/- 20%
CCVH1129G-2	5.00	4.78	4	+/- 20%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP36-W-11.0**					
Laboratory ID:	11-158-14					
Gasoline	**ND**	100	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*61-118*				

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Date of Report: December 7, 2016
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Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129W1					
Gasoline	**ND**	100	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-14										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*95*	*95*	*61-118*			

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Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVH1129G-1	5.00	5.01	0	+/- 20%
CCVH1129G-2	5.00	4.78	4	+/- 20%

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Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-S-6.0**					
Laboratory ID:	11-158-15					
Diesel Range Organics	**7700**	300	NWTPH-Dx	11-23-16	11-28-16	M,N
Lube Oil	**8500**	600	NWTPH-Dx	11-23-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	---	*50-150*				S
Client ID:	**GP37-S-8.5**					
Laboratory ID:	11-158-16					
Diesel Range Organics	**ND**	36	NWTPH-Dx	11-23-16	11-23-16	
Lube Oil Range Organics	**140**	72	NWTPH-Dx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				

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Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1123S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-23-16	11-23-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-158-15									
	ORIG	DUP								
Diesel Range Organics	**6380**	**4630**	NA	NA		NA	NA	32	NA	M,N
Lube Oil	**7030**	**5300**	NA	NA		NA	NA	28	NA	
Surrogate:										
o-Terphenyl						--- ---	*50-150*			S,S
SPIKE BLANK										
Laboratory ID:	SB1123S1									
Diesel Fuel #2	**95.0**		100		NA	**95**	58-132	NA	NA	
Surrogate:										
o-Terphenyl						*111*	*50-150*			

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Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1128F-T4	100	93.8	6.2	+/-15%
CCV1128F-T5	100	102	-1.7	+/-15%
CCV1123F-T2	100	95.6	4.4	+/-15%
CCV1123F-T3	100	97.0	3.0	+/-15%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP37-W-10.0**					
Laboratory ID:	11-158-18					
Diesel Range Organics	**1.5**	0.26	NWTPH-Dx	11-23-16	11-23-16	
Lube Oil Range Organics	**0.88**	0.41	NWTPH-Dx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1123W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-23-16	11-23-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-211-04										
	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						*82*	*88*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1123W1										
Diesel Fuel #2	**0.809**		1.00		NA	**81**		58-113	NA	NA	
Surrogate:											
o-Terphenyl						*89*		*50-150*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1123F-V2	100	102	-1.6	+/-15%
CCV1123F-V3	100	110	-10	+/-15%
CCV1123R-V2	100	91.9	8.1	+/-15%
CCV1123R-V3	100	92.9	7.1	+/-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: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP36-S-5.0**					
Laboratory ID:	11-158-11					
Diesel Range Organics	**ND**	32	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**ND**	64	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				
Client ID:	**GP36-S-7.0**					
Laboratory ID:	11-158-12					
Diesel Range Organics	**ND**	36	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	72	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**GP36-S-9.0**					
Laboratory ID:	11-158-13					
Diesel Range Organics	**ND**	35	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**79**	69	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-11										
	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						*87*	*82*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1129S2										
Diesel Fuel #2	**104**		100		NA	**104**		58-132	NA	NA	
Surrogate:											
o-Terphenyl						*122*		*50-150*			

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1201R-V1	100	98.3	1.7	+/-15%
CCV1201R-V2	100	95.2	4.8	+/-15%
CCV1201R-V3	100	99.0	1.0	+/-15%
CCV1201F-V3	100	104	-4.5	+/-15%
CCV1201F-V4	100	107	-7.3	+/-15%
CCV1203R-V3	100	97.8	2.2	+/-15%
CCV1203R-V4	100	98.6	1.4	+/-15%
CCV1203F-V1	100	102	-2.3	+/-15%
CCV1203F-V2	100	105	-4.9	+/-15%
CCV1203F-V3	100	103	-3.2	+/-15%
CCV1203F-V4	100	105	-4.7	+/-15%
CCV1203F-T1	100	94.4	5.6	+/-15%
CCV1203F-T2	100	92.4	7.6	+/-15%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

% MOISTURE

Date Analyzed: 11-16,17&28-16

Client ID	Lab ID	% Moisture
GP33-S-6.0	11-158-01	20
GP33-S-7.0	11-158-02	25
GP33-S-8.0	11-158-03	25
GP34-S-2.5	11-158-04	22
GP34-S-6.4	11-158-05	26
GP34-S-7.5	11-158-06	26
GP35-S-5.5	11-158-08	27
GP35-S-6.5	11-158-09	27
GP35-S-12.0	11-158-10	27
GP36-S-5.0	11-158-11	22
GP36-S-7.0	11-158-12	30
GP36-S-9.0	11-158-13	28
GP37-S-6.0	11-158-15	17
GP37-S-8.5	11-158-16	31
GP37-S-11.0	11-158-17	33

This report pertains to the samples analyzed in accordance with the chain of custody,
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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 - The chromatogram is similar to mineral spirits.

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 Alonqi
Project Number: 0747.01.06-03
Project Name: North 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: 11-158

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) NAPHTHALENES ONLY	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	GP23-S-6.0	11/14/16	1105	S	1				X					X													X
2	GP23-S-7.0	11/14/16	1108	S	1				X					X													X
3	GP23-S-8.0	11/14/16	1110	S	1				X					X													X
4	GP24-S-2.5	11/14/16	1145	S	1				X					X													X
5	GP24-S-6.4	11/14/16	1148	S	1				X					X													X
6	GP24-S-7.5	11/14/16	1150	S	1				X					X													X
7	GP34-W-9.0	11/14/16	1225	W	10				X					X													
8	GP35-S-5.5	11/14/16	1318	S	1				X					X													X
9	GP35-S-6.5	11/14/16	1320	S	1				X					X													X
10	GP35-S-12.0	11/14/16	1322	S	1				X					X													X

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/15/16	935
Received	Celia Fayuots	SPEEDY	11/15/16	934
Relinquished	Celia Fayuots	SPEEDY	11/15/16	1200
Received			11/15/16	1200
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
⊗ Added 11/21/16. DB (STA)
● Added 11/22/16. DB (STA)
⊖ Added 11/28/16. DB (STA)
◐ Added 11/29/16 DB

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

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: 0747.01.06-03
Project Name: N. Cascade Ford
Project Manager: Heather Good
Sampled by: Carolyn LaRoise

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: 11-158

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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/ MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664A		TOTAL Cd, Cr, Ni, Pb, Zn	DISSOLVED Cd, Cr, Ni, Pb, Zn*	EDB EPA 8011	n-Hexane	% Moisture
11	GP36-S-5.0	11/14	1500	S	6			⊖	⊖				⊖													⊖
12	GP36-S-7.0	11/14	1502	S	6			⊖	⊖				⊖													⊖
13	GP36-S-9.0	11/14	1504	S	6			⊖	⊖				⊖													⊖
14	GP37-W-11.0	11/14/16	1600	W	3			⊖	X				○													
15	GP37-S-6.0	11/14	1703	S	6	X		⊗	⊗	X			X	X								X			●	X
16	GP37-S-8.5	11/14	1730	S	6	X			⊗	X			X	X								X			●	X
17	GP37-S-11.0	11/14	1732	S	6	X				X			X	X								X			●	X
18	GP37-W-10.0	11/14	1810	W	11	X		⊗	⊗	X			X	X										X	X	X	

	Signature	Company	Date	Time
Relinquished		MFA	11/15/16	934
Received		SPEEDY	11/15/16	9:34
Relinquished		SPEEDY	11/15/16	12:00
Received			11/15/16	1200
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

* FIELD FILTERED.

⊖ - EXTRACT AND HOLD.

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Standard

Electronic Data Deliverables (EDDs) ☒ _____

Sample/Cooler Receipt and Acceptance Checklist

Client: MFA

Client Project Name/Number: 0747.01-06.03

OnSite Project Number: 11-158

Initiated by: BG/MV

Date Initiated: 11/15 & 16/16

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 6° 3°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:

2.4) Sample 11) GP36-S-5.0 on COC
GP36-S- a jars
Sample 12) GP36-S-7.0 on COC
GP36-S- a 5 jars

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

December 13, 2016

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

Re: Analytical Data for Project 0747.01.06-03
Laboratory Reference No. 1611-165

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on November 16, 2016.

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

Case Narrative

Samples were collected on November 15, 2016 and received by the laboratory on November 16, 2016. 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 (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.

Per client's request, samples GP38-S-5.5, GP38-S-8.0, GP40-S-3.5, GP40-S-6.0, GP40-S-10.0, GP41-S-6.5, GP41-S-8.5, GP42-S-1.5, GP42-S-6.0 and GP42-S-12.5 were analyzed one day outside of the holding time.

n-Hexane EPA 8021B 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.

Nitrate EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot of the samples was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

PAHs EPA 8270D/SIM Analysis

Sample GP43-S-7.0 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%.

The Spike Blank/Spike Blank Duplicate run on November 29th had one recovery slightly above control limits, due to a small upward bias in the instruments' calibration. The sample was non-detect for this analyte so no further action was taken.

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.

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-4.5**					
Laboratory ID:	11-165-01					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	66	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*106*	*50-150*				
Client ID:	**GP39-S-3.5**					
Laboratory ID:	11-165-05					
Gasoline Range Organics	**ND**	27	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	68	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	140	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				
Client ID:	**GP39-S-6.0**					
Laboratory ID:	11-165-06					
Gasoline Range Organics	**ND**	27	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	67	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				
Client ID:	**GP39-S-8.0**					
Laboratory ID:	11-165-07					
Gasoline Range Organics	**ND**	29	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	73	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	150	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				
Client ID:	**GP41-S-2.5**					
Laboratory ID:	11-165-13					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	66	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP43-S-1.5**					
Laboratory ID:	11-165-21					
Gasoline Range Organics	**ND**	28	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	69	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil	**Detected**	140	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*100*	*50-150*				
Client ID:	**GP43-S-7.0**					
Laboratory ID:	11-165-22					
Gasoline Range Organics	**Detected**	26	NWTPH-HCID	11-17-16	11-17-16	
Diesel Fuel #2	**Detected**	65	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil	**Detected**	130	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**GP43-S-13.5**					
Laboratory ID:	11-165-23					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	66	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	11-17-16	11-17-16	
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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-HCID
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117S1					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	11-17-16	11-17-16	
Diesel Range Organics	**ND**	50	NWTPH-HCID	11-17-16	11-17-16	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-HCID
CONTINUING CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPC1117R-T1	22625830	10 ppm
SPC1117F-T1	38067954	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1117F-T2	100	93.3	6.7	+/-15%
CCV1117F-T3	100	103	-2.8	+/-15%
CCV1117F-T4	100	95.5	4.5	+/-15%
CCV1117F-T5	100	104	-4.0	+/-15%
CCV1117R-T1	100	103	-3.3	+/-15%
CCV1117R-T2	100	103	-3.3	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV1117R-T1	100	102	-2.4	+/-15%
LOCCV1117F-T1	100	91.2	8.8	+/-15%

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Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx + n-HEXANE EPA 8015M

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
n-Hexane	**ND**	1.0	EPA 8015M	11-23-16	11-23-16	
Gasoline	**390**	100	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*61-118*				

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Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx + 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:	MB1123W3					
n-Hexane	**ND**	1.0	EPA 8015M	11-23-16	11-23-16	
Gasoline	**ND**	100	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-165-04										
	ORIG	DUP									
n-Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**388**	**418**	NA	NA		NA		NA	7	30	
Surrogate:											
Fluorobenzene						*104*	*100*	*61-118*			
SPIKE BLANKS											
Laboratory ID:	SB1123W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.2**	**49.7**	50.0	50.0		**98**	**99**	79-120	1	11	
Toluene	**49.7**	**49.9**	50.0	50.0		**99**	**100**	79-118	0	12	
Ethyl Benzene	**50.5**	**50.7**	50.0	50.0		**101**	**101**	80-117	0	12	
m,p-Xylene	**50.4**	**50.7**	50.0	50.0		**101**	**101**	80-117	1	12	
o-Xylene	**50.4**	**50.9**	50.0	50.0		**101**	**102**	80-116	1	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*61-118*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123G-1	5.00	4.95	1	+/- 20%
CCVD1123G-2	5.00	4.88	2	+/- 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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

n-HEXANE EPA 8015M
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123B-1	50.0	53.0	-6	+/- 15%
CCVD1123B-2	50.0	52.9	-6	+/- 15%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-5.5**					
Laboratory ID:	11-165-02					
Gasoline	**ND**	8.2	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*63-124*				
Client ID:	**GP38-S-8.0**					
Laboratory ID:	11-165-03					
Gasoline	**ND**	9.0	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*63-124*				
Client ID:	**GP40-S-3.5**					
Laboratory ID:	11-165-09					
Gasoline	**ND**	8.1	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*63-124*				
Client ID:	**GP40-S-6.0**					
Laboratory ID:	11-165-10					
Gasoline	**ND**	8.7	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*63-124*				
Client ID:	**GP40-S-10.0**					
Laboratory ID:	11-165-11					
Gasoline	**ND**	9.8	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*63-124*				
Client ID:	**GP41-S-6.5**					
Laboratory ID:	11-165-14					
Gasoline	**ND**	7.5	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*108*	*63-124*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-8.5**					
Laboratory ID:	11-165-15					
Gasoline	**ND**	8.8	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*63-124*				
Client ID:	**GP42-S-1.5**					
Laboratory ID:	11-165-17					
Gasoline	**ND**	10	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*63-124*				
Client ID:	**GP42-S-6.0**					
Laboratory ID:	11-165-18					
Gasoline	**ND**	8.4	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*63-124*				
Client ID:	**GP42-S-12.5**					
Laboratory ID:	11-165-19					
Gasoline	**ND**	9.2	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*63-124*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S3					
Gasoline	**ND**	5.0	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-11										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*91*	*83*	*63-124*			
Laboratory ID:	11-182-12										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*95*	*99*	*63-124*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1129G-1	5.00	4.85	3	+/- 20%
CCVD1129G-2	5.00	4.80	4	+/- 20%
CCVH1129G-1	5.00	5.01	0	+/- 20%
CCVH1129G-2	5.00	4.78	4	+/- 20%

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Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP42-W-10.0**					
Laboratory ID:	11-165-20					
Gasoline	**ND**	100	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*61-118*				

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Date of Report: December 13, 2016
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Project: 0747.01.06-03

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129W1					
Gasoline	**ND**	100	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-14										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*95*	*95*	*61-118*			

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Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVH1129G-1	5.00	5.01	0	+/- 20%
CCVH1129G-2	5.00	4.78	4	+/- 20%

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Project: 0747.01.06-03

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Diesel Range Organics	**0.92**	0.27	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.43	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				
Client ID:	**GP39-W-7.0**					
Laboratory ID:	11-165-08					
Diesel Range Organics	**0.48**	0.27	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.43	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				
Client ID:	**GP41-W-11.5**					
Laboratory ID:	11-165-16					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				
Client ID:	**GP42-W-10.0**					
Laboratory ID:	11-165-20					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				
Client ID:	**GP43-W-9.0**					
Laboratory ID:	11-165-24					
Diesel Range Organics	**1.4**	0.26	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**0.91**	0.41	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				

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Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1120W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*144*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-142-02										
	ORIG	DUP									
Diesel Range Organics	**2.87**	**2.67**	NA	NA		NA		NA	7	NA	M
Lube Oil Range	**ND**	**0.436**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*84*	*80*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1120W1										
Diesel Fuel #2	**1.05**		1.00		NA	**105**		58-113	NA	NA	
Surrogate:											
o-Terphenyl						*100*		*50-150*			

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Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1121F-V1	100	103	-3.0	+/-15%
CCV1121F-V2	100	106	-6.0	+/-15%
CCV1121R-T1	100	109	-9.0	+/-15%
CCV1121R-T2	100	106	-6.0	+/-15%
CCV1121R-T3	100	109	-9.0	+/-15%
CCV1121R-T4	100	108	-8.0	+/-15%

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Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP43-S-1.5**					
Laboratory ID:	11-165-21					
Diesel Range Organics	**80**	34	NWTPH-Dx	11-29-16	11-30-16	
Lube Oil Range Organics	**450**	69	NWTPH-Dx	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				
Client ID:	**GP43-S-7.0**					
Laboratory ID:	11-165-22					
Diesel Range Organics	**4200**	160	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**5700**	320	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				

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Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*111*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-165-21									
	ORIG	DUP								
Diesel Range Organics	**57.8**	**42.6**	NA	NA		NA	NA	30	NA	
Lube Oil Range Organics	**327**	**235**	NA	NA		NA	NA	33	NA	
Surrogate:										
o-Terphenyl						*113* *106*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB1129S1									
Diesel Fuel #2	**96.2**		100		NA	**96**	58-132	NA	NA	
Surrogate:										
o-Terphenyl						*98*	*50-150*			

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Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1129R-V2	100	97.0	3.0	+/-15%
CCV1129R-V3	100	103	-3.5	+/-15%
CCV1130F-T3	100	96.2	3.8	+/-15%
CCV1201F-T1	100	98.3	1.7	+/-15%
CCV1201F-V2	100	104	-4.3	+/-15%
CCV1201F-V3	100	104	-4.5	+/-15%

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Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-5.5**					
Laboratory ID:	11-165-02					
Diesel Range Organics	**ND**	33	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**GP38-S-8.0**					
Laboratory ID:	11-165-03					
Diesel Range Organics	**ND**	35	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**GP40-S-3.5**					
Laboratory ID:	11-165-09					
Diesel Range Organics	**ND**	34	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				
Client ID:	**GP40-S-6.0**					
Laboratory ID:	11-165-10					
Diesel Range Organics	**ND**	34	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				
Client ID:	**GP40-S-10.0**					
Laboratory ID:	11-165-11					
Diesel Range Organics	**ND**	37	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	74	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*84*	*50-150*				
Client ID:	**GP41-S-6.5**					
Laboratory ID:	11-165-14					
Diesel Range Organics	**ND**	35	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				

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Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-8.5**					
Laboratory ID:	11-165-15					
Diesel Range Organics	**ND**	35	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	71	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*76*	*50-150*				
Client ID:	**GP42-S-1.5**					
Laboratory ID:	11-165-17					
Diesel Range Organics	**210**	32	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**500**	64	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Client ID:	**GP42-S-6.0**					
Laboratory ID:	11-165-18					
Diesel Range Organics	**ND**	34	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	68	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*81*	*50-150*				
Client ID:	**GP42-S-12.5**					
Laboratory ID:	11-165-19					
Diesel Range Organics	**ND**	36	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil	**210**	72	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*72*	*50-150*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-165-17									
	ORIG	DUP								
Diesel Range Organics	**165**	**51.3**	NA	NA		NA	NA	105	NA	
Lube Oil Range Organics	**389**	**166**	NA	NA		NA	NA	80	NA	
Surrogate:										
o-Terphenyl						*77* *86*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB1129S2									
Diesel Fuel #2	**104**		100		NA	**104**	58-132	NA	NA	
Surrogate:										
o-Terphenyl						*122*	*50-150*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1201R-V1	100	98.3	1.7	+/-15%
CCV1201R-V2	100	95.2	4.8	+/-15%
CCV1201R-V3	100	99.0	1.0	+/-15%
CCV1201F-V3	100	104	-4.5	+/-15%
CCV1201F-V4	100	107	-7.3	+/-15%
CCV1203R-V3	100	97.8	2.2	+/-15%
CCV1203R-V4	100	98.6	1.4	+/-15%
CCV1203F-V1	100	102	-2.3	+/-15%
CCV1203F-V2	100	105	-4.9	+/-15%
CCV1203F-V3	100	103	-3.2	+/-15%
CCV1203F-V4	100	105	-4.7	+/-15%
CCV1203F-V5	100	109	-8.9	+/-15%
CCV1203F-T1	100	94.4	5.6	+/-15%
CCV1203F-T2	100	92.4	7.6	+/-15%
CCV1203F-T3	100	95.9	4.1	+/-15%
CCV1203F-T4	100	96.1	3.9	+/-15%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP40-W-7.0**					
Laboratory ID:	11-165-12					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-202-01										
	ORIG	DUP									
Diesel Range	**0.265**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*94*	*88*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1129W1										
Diesel Fuel #2	**0.900**		1.00		NA	**90**		58-113	NA	NA	
Surrogate:											
o-Terphenyl						*90*		*50-150*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1129F-V3	100	110	-10	+/-15%
CCV1129F-V4	100	103	-3.3	+/-15%
CCV1129F-V5	100	105	-4.5	+/-15%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-4.5**					
Laboratory ID:	11-165-01					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Chloromethane	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Vinyl Chloride	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Bromomethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Chloroethane	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Trichlorofluoromethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Acetone	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Iodomethane	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Carbon Disulfide	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Methylene Chloride	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Methyl t-Butyl Ether	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Vinyl Acetate	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
2,2-Dichloropropane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
2-Butanone	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Bromochloromethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Chloroform	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Carbon Tetrachloride	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloropropene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Benzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloroethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Trichloroethene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloropropane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Dibromomethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Bromodichloromethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
2-Chloroethyl Vinyl Ether	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Methyl Isobutyl Ketone	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Toluene	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-4.5**					
Laboratory ID:	11-165-01					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Tetrachloroethene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,3-Dichloropropane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
2-Hexanone	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Dibromochloromethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromoethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Chlorobenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Ethylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
m,p-Xylene	ND	0.0030	EPA 8260C	11-17-16	11-17-16	
o-Xylene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Styrene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Bromoform	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Isopropylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Bromobenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
n-Propylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
2-Chlorotoluene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
4-Chlorotoluene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,3,5-Trimethylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
tert-Butylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trimethylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
sec-Butylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
p-Isopropyltoluene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
n-Butylbenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromo-3-chloropropane	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Hexachlorobutadiene	ND	0.0074	EPA 8260C	11-17-16	11-17-16	
Naphthalene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260C	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*73-134*				
Toluene-d8	*98*	*81-124*				
4-Bromofluorobenzene	*96*	*80-131*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-2.5**					
Laboratory ID:	11-165-13					
Dichlorodifluoromethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Chloromethane	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Vinyl Chloride	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Bromomethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Chloroethane	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Trichlorofluoromethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Acetone	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Iodomethane	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Carbon Disulfide	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Methylene Chloride	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Vinyl Acetate	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
2,2-Dichloropropane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
2-Butanone	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Bromochloromethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Chloroform	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Carbon Tetrachloride	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloropropene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Benzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Trichloroethene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloropropane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Dibromomethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Bromodichloromethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
2-Chloroethyl Vinyl Ether	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Methyl Isobutyl Ketone	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Toluene	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-2.5**					
Laboratory ID:	11-165-13					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Tetrachloroethene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,3-Dichloropropane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
2-Hexanone	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Dibromochloromethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Chlorobenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Ethylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
m,p-Xylene	ND	0.0029	EPA 8260C	11-17-16	11-17-16	
o-Xylene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Styrene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Bromoform	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Isopropylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Bromobenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
n-Propylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
2-Chlorotoluene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
4-Chlorotoluene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
tert-Butylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
sec-Butylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
p-Isopropyltoluene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
n-Butylbenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromo-3-chloropropane	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Hexachlorobutadiene	ND	0.0072	EPA 8260C	11-17-16	11-17-16	
Naphthalene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260C	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*73-134*				
Toluene-d8	*103*	*81-124*				
4-Bromofluorobenzene	*102*	*80-131*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1117S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chloromethane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Vinyl Chloride	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromomethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chloroethane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Acetone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Iodomethane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Carbon Disulfide	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Methylene Chloride	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Vinyl Acetate	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Butanone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Bromochloromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chloroform	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Benzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Trichloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Dibromomethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromodichloromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Toluene	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1117S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Tetrachloroethene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Hexanone	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Dibromochloromethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Chlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Ethylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
m,p-Xylene	ND	0.0020	EPA 8260C	11-17-16	11-17-16	
o-Xylene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Styrene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromoform	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Isopropylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Bromobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
n-Propylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
2-Chlorotoluene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
4-Chlorotoluene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
tert-Butylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
sec-Butylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
n-Butylbenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	11-17-16	11-17-16	
Naphthalene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*73-134*				
Toluene-d8	*102*	*81-124*				
4-Bromofluorobenzene	*101*	*80-131*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

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:	SB1117S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0440**	**0.0456**	0.0500	0.0500	88	91	66-127	4	15	
Benzene	**0.0452**	**0.0482**	0.0500	0.0500	90	96	76-122	6	15	
Trichloroethene	**0.0433**	**0.0452**	0.0500	0.0500	87	90	78-120	4	15	
Toluene	**0.0464**	**0.0479**	0.0500	0.0500	93	96	83-120	3	15	
Chlorobenzene	**0.0470**	**0.0485**	0.0500	0.0500	94	97	81-120	3	15	
Surrogate:										
Dibromofluoromethane					*98*	*101*	*73-134*			
Toluene-d8					*96*	*102*	*81-124*			
4-Bromofluorobenzene					*99*	*102*	*80-131*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Dichlorodifluoromethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Chloromethane	ND	5.0	EPA 8260C	11-21-16	11-21-16	
Vinyl Chloride	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Bromomethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Chloroethane	ND	5.0	EPA 8260C	11-21-16	11-21-16	
Trichlorofluoromethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,1-Dichloroethene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Acetone	ND	25	EPA 8260C	11-21-16	11-21-16	
Iodomethane	ND	5.0	EPA 8260C	11-21-16	11-21-16	
Carbon Disulfide	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Methylene Chloride	ND	5.0	EPA 8260C	11-21-16	11-21-16	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Methyl t-Butyl Ether	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,1-Dichloroethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Vinyl Acetate	ND	5.0	EPA 8260C	11-21-16	11-21-16	
2,2-Dichloropropane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
2-Butanone	ND	25	EPA 8260C	11-21-16	11-21-16	
Bromochloromethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Chloroform	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,1,1-Trichloroethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Carbon Tetrachloride	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,1-Dichloropropene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Benzene	3.0	1.0	EPA 8260C	11-21-16	11-21-16	
1,2-Dichloroethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Trichloroethene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,2-Dichloropropane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Dibromomethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Bromodichloromethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
2-Chloroethyl Vinyl Ether	ND	10	EPA 8260C	11-21-16	11-21-16	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Methyl Isobutyl Ketone	ND	10	EPA 8260C	11-21-16	11-21-16	
Toluene	ND	5.0	EPA 8260C	11-21-16	11-21-16	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260C	11-21-16	11-21-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
1,1,2-Trichloroethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Tetrachloroethene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,3-Dichloropropane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
2-Hexanone	ND	10	EPA 8260C	11-21-16	11-21-16	
Dibromochloromethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,2-Dibromoethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Chlorobenzene	120	1.0	EPA 8260C	11-21-16	11-21-16	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Ethylbenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
m,p-Xylene	ND	2.0	EPA 8260C	11-21-16	11-21-16	
o-Xylene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Styrene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Bromoform	ND	5.0	EPA 8260C	11-21-16	11-21-16	
Isopropylbenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Bromobenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,2,3-Trichloropropane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
n-Propylbenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
2-Chlorotoluene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
4-Chlorotoluene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,3,5-Trimethylbenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
tert-Butylbenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,2,4-Trimethylbenzene	1.5	1.0	EPA 8260C	11-21-16	11-21-16	
sec-Butylbenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,3-Dichlorobenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
p-Isopropyltoluene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,4-Dichlorobenzene	2.3	1.0	EPA 8260C	11-21-16	11-21-16	
1,2-Dichlorobenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
n-Butylbenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260C	11-21-16	11-21-16	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Naphthalene	ND	6.5	EPA 8260C	11-21-16	11-21-16	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*77-129*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*95*	*80-125*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1121W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Chloromethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Vinyl Chloride	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Bromomethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Chloroethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Acetone	ND	5.0	EPA 8260C	11-21-16	11-21-16	
Iodomethane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Carbon Disulfide	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Methylene Chloride	ND	1.0	EPA 8260C	11-21-16	11-21-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Vinyl Acetate	ND	1.0	EPA 8260C	11-21-16	11-21-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
2-Butanone	ND	5.0	EPA 8260C	11-21-16	11-21-16	
Bromochloromethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Chloroform	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Benzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Trichloroethene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Dibromomethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Bromodichloromethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	11-21-16	11-21-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	11-21-16	11-21-16	
Toluene	ND	1.0	EPA 8260C	11-21-16	11-21-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-21-16	11-21-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1121W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
2-Hexanone	ND	2.0	EPA 8260C	11-21-16	11-21-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Chlorobenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-21-16	11-21-16	
o-Xylene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Styrene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Bromoform	ND	1.0	EPA 8260C	11-21-16	11-21-16	
Isopropylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Bromobenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-21-16	11-21-16	
n-Propylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
tert-Butylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
sec-Butylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
p-Isopropyltoluene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
n-Butylbenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-21-16	11-21-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Naphthalene	ND	1.3	EPA 8260C	11-21-16	11-21-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*77-129*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*94*	*80-125*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES by EPA 8260C
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-180-01										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**8.34**	**8.30**	10.0	10.0	ND	83	83	65-119	0	15	
Benzene	**9.02**	**8.76**	10.0	10.0	ND	90	88	75-117	3	15	
Trichloroethene	**7.99**	**8.15**	10.0	10.0	ND	80	82	66-111	2	15	
Toluene	**8.78**	**8.86**	10.0	10.0	ND	88	89	79-114	1	15	
Chlorobenzene	**8.54**	**8.86**	10.0	10.0	ND	85	89	76-120	4	15	
Surrogate:											
Dibromofluoromethane						*99*	*100*	*77-129*			
Toluene-d8						*101*	*101*	*80-127*			
4-Bromofluorobenzene						*98*	*97*	*80-125*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

VOLATILES by EPA 8260C
SPIKE BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	Spike Level	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK					
Laboratory ID:	SB1121W1				
1,1-Dichloroethene	**9.29**	10.0	93	63-127	
Benzene	**9.55**	10.0	96	76-121	
Trichloroethene	**8.86**	10.0	89	64-114	
Toluene	**9.57**	10.0	96	82-115	
Chlorobenzene	**9.88**	10.0	99	80-115	
Surrogate:					
Dibromofluoromethane			*95*	*77-129*	
Toluene-d8			*98*	*80-127*	
4-Bromofluorobenzene			*95*	*80-125*	

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Laboratory Reference: 1611-165
Project: 0747.01.06-03

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
EDB	**ND**	0.0097	EPA 8011	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*85*	*25-143*				

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Date of Report: December 13, 2016
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Laboratory Reference: 1611-165
Project: 0747.01.06-03

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:	MB1122W1					
EDB	**ND**	0.010	EPA 8011	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*97*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1122W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.0957**	**0.0984**	0.100	0.100	N/A	**96**	**98**	77-128	3	15	
Surrogate:											
TCMX						*102*	*108*	*25-143*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED METHANE
RSK 175

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Methane	**3600**	250	RSK 175	11-17-16	11-17-16	

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Project: 0747.01.06-03

DISSOLVED METHANE
RSK 175
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117W1					
Methane	**ND**	0.50	RSK 175	11-17-16	11-17-16	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1117W1										
	SB	SBD	SB	SBD		SB	SBD				
Methane	**4.35**	**4.54**	4.42	4.42	N/A	**98**	**103**	75-125	4	25	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED METHANE
RSK 175
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Methane	CCV1117DG-1	50.0	44.7	11	+/-15%
Methane	CCV1117DG-2	50.0	47.1	5.8	+/-15%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-4.5**					
Laboratory ID:	11-165-01					
Naphthalene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**ND**	0.0087	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*32 - 122*				
Pyrene-d10	*61*	*33 - 125*				
Terphenyl-d14	*64*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP39-S-3.5**					
Laboratory ID:	11-165-05					
Naphthalene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**ND**	0.0091	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*80*	*32 - 122*				
Pyrene-d10	*67*	*33 - 125*				
Terphenyl-d14	*70*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP39-S-6.0**					
Laboratory ID:	11-165-06					
Naphthalene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**ND**	0.0089	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*70*	*32 - 122*				
Pyrene-d10	*59*	*33 - 125*				
Terphenyl-d14	*60*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP40-S-3.5**					
Laboratory ID:	11-165-09					
Naphthalene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**ND**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*79*	*32 - 122*				
Pyrene-d10	*68*	*33 - 125*				
Terphenyl-d14	*71*	*36 - 118*				

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Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-2.5**					
Laboratory ID:	11-165-13					
Naphthalene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**ND**	0.0088	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*75*	*32 - 122*				
Pyrene-d10	*65*	*33 - 125*				
Terphenyl-d14	*68*	*36 - 118*				

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Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP43-S-1.5**					
Laboratory ID:	11-165-21					
Naphthalene	**0.086**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**0.12**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**0.092**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**0.024**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**0.011**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**0.020**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**0.15**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**0.058**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**0.23**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**0.21**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**0.11**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**0.12**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**0.19**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**0.052**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**0.15**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**0.097**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**0.020**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**0.10**	0.0092	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*87*	*32 - 122*				
Pyrene-d10	*57*	*33 - 125*				
Terphenyl-d14	*84*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP43-S-7.0**					
Laboratory ID:	11-165-22					
Naphthalene	**0.47**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**0.61**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**3.1**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**0.20**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**0.64**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**2.8**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**4.5**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**0.32**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**0.14**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**0.37**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**0.21**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**0.62**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**ND**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**ND**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**ND**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**ND**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**ND**	0.086	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*120*	*32 - 122*				
Pyrene-d10	*72*	*33 - 125*				
Terphenyl-d14	*148*	*36 - 118*				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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1119S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-19-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*89*	*32 - 122*				
Pyrene-d10	*76*	*33 - 125*				
Terphenyl-d14	*79*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs 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:	11-165-01										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0567**	**0.0556**	0.0833	0.0833	ND	68	67	39 - 112	2	27	
Acenaphthylene	**0.0675**	**0.0664**	0.0833	0.0833	ND	81	80	40 - 121	2	34	
Acenaphthene	**0.0606**	**0.0578**	0.0833	0.0833	ND	73	69	44 - 113	5	28	
Fluorene	**0.0611**	**0.0597**	0.0833	0.0833	ND	73	72	43 - 119	2	27	
Phenanthrene	**0.0621**	**0.0609**	0.0833	0.0833	ND	75	73	35 - 124	2	30	
Anthracene	**0.0868**	**0.0839**	0.0833	0.0833	ND	104	101	30 - 140	3	26	
Fluoranthene	**0.0588**	**0.0569**	0.0833	0.0833	ND	71	68	29 - 136	3	32	
Pyrene	**0.0581**	**0.0565**	0.0833	0.0833	ND	70	68	35 - 128	3	33	
Benzo[a]anthracene	**0.0589**	**0.0577**	0.0833	0.0833	ND	71	69	30 - 143	2	31	
Chrysene	**0.0583**	**0.0561**	0.0833	0.0833	ND	70	67	32 - 129	4	33	
Benzo[b]fluoranthene	**0.0674**	**0.0646**	0.0833	0.0833	ND	81	78	23 - 140	4	29	
Benzo(j,k)fluoranthene	**0.0556**	**0.0546**	0.0833	0.0833	ND	67	66	32 - 119	2	30	
Benzo[a]pyrene	**0.0619**	**0.0605**	0.0833	0.0833	ND	74	73	31 - 131	2	32	
Indeno(1,2,3-c,d)pyrene	**0.0542**	**0.0514**	0.0833	0.0833	ND	65	62	31 - 130	5	28	
Dibenz[a,h]anthracene	**0.0613**	**0.0595**	0.0833	0.0833	ND	74	71	40 - 119	3	27	
Benzo[g,h,i]perylene	**0.0584**	**0.0568**	0.0833	0.0833	ND	70	68	39 - 119	3	29	
Surrogate:											
2-Fluorobiphenyl						*75*	*72*	*32 - 122*			
Pyrene-d10						*62*	*60*	*33 - 125*			
Terphenyl-d14						*65*	*62*	*36 - 118*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs 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:	SB1119S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0703**	**0.0694**	0.0833	0.0833	84	83	58 - 114	1	18	
Acenaphthylene	**0.0831**	**0.0832**	0.0833	0.0833	100	100	54 - 127	0	15	
Acenaphthene	**0.0738**	**0.0741**	0.0833	0.0833	89	89	58 - 119	0	15	
Fluorene	**0.0757**	**0.0737**	0.0833	0.0833	91	88	60 - 123	3	15	
Phenanthrene	**0.0796**	**0.0775**	0.0833	0.0833	96	93	54 - 120	3	15	
Anthracene	**0.104**	**0.104**	0.0833	0.0833	125	125	55 - 152	0	15	
Fluoranthene	**0.0721**	**0.0716**	0.0833	0.0833	87	86	56 - 129	1	15	
Pyrene	**0.0711**	**0.0704**	0.0833	0.0833	85	85	60 - 126	1	15	
Benzo[a]anthracene	**0.0743**	**0.0746**	0.0833	0.0833	89	90	56 - 137	0	15	
Chrysene	**0.0699**	**0.0688**	0.0833	0.0833	84	83	59 - 122	2	15	
Benzo[b]fluoranthene	**0.0823**	**0.0830**	0.0833	0.0833	99	100	46 - 133	1	21	
Benzo(j,k)fluoranthene	**0.0686**	**0.0662**	0.0833	0.0833	82	79	47 - 129	4	21	
Benzo[a]pyrene	**0.0778**	**0.0766**	0.0833	0.0833	93	92	54 - 132	2	15	
Indeno(1,2,3-c,d)pyrene	**0.0685**	**0.0675**	0.0833	0.0833	82	81	54 - 129	1	15	
Dibenz[a,h]anthracene	**0.0797**	**0.0755**	0.0833	0.0833	96	91	59 - 122	5	15	
Benzo[g,h,i]perylene	**0.0740**	**0.0733**	0.0833	0.0833	89	88	57 - 125	1	16	
Surrogate:										
2-Fluorobiphenyl					*93*	*93*	*32 - 122*			
Pyrene-d10					*76*	*75*	*33 - 125*			
Terphenyl-d14					*79*	*79*	*36 - 118*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-5.5**					
Laboratory ID:	11-165-02					
Naphthalene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
2-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
1-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Acenaphthylene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Acenaphthene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Fluorene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Phenanthrene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Anthracene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Pyrene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[a]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Chrysene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[b]fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo(j,k)fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[a]pyrene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Dibenz[a,h]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[g,h,i]perylene	**ND**	0.0089	EPA 8270D/SIM	11-28-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*71*	*32 - 122*				
Pyrene-d10	*77*	*33 - 125*				
Terphenyl-d14	*76*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-8.0**					
Laboratory ID:	11-165-03					
Naphthalene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
2-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
1-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Acenaphthylene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Acenaphthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Fluorene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Phenanthrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Anthracene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Pyrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[a]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Chrysene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[b]fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo(j,k)fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[a]pyrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Dibenz[a,h]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[g,h,i]perylene	**ND**	0.0092	EPA 8270D/SIM	11-28-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*58*	*32 - 122*				
Pyrene-d10	*63*	*33 - 125*				
Terphenyl-d14	*62*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP42-S-1.5**					
Laboratory ID:	11-165-17					
Naphthalene	**0.47**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
2-Methylnaphthalene	**0.65**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
1-Methylnaphthalene	**0.52**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Acenaphthylene	**0.037**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Acenaphthene	**0.11**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Fluorene	**0.10**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Phenanthrene	**0.56**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Anthracene	**0.25**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Fluoranthene	**0.48**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Pyrene	**0.52**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[a]anthracene	**0.33**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Chrysene	**0.26**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[b]fluoranthene	**0.33**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo(j,k)fluoranthene	**0.095**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[a]pyrene	**0.25**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.16**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Dibenz[a,h]anthracene	**0.023**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[g,h,i]perylene	**0.13**	0.0085	EPA 8270D/SIM	11-28-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*75*	*32 - 122*				
Pyrene-d10	*57*	*33 - 125*				
Terphenyl-d14	*110*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP42-S-6.0**					
Laboratory ID:	11-165-18					
Naphthalene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Acenaphthylene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Acenaphthene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Fluorene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Phenanthrene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Anthracene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Pyrene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[a]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Chrysene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[b]fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo(j,k)fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[a]pyrene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Dibenz[a,h]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Benzo[g,h,i]perylene	**ND**	0.0091	EPA 8270D/SIM	11-28-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*59*	*32 - 122*				
Pyrene-d10	*65*	*33 - 125*				
Terphenyl-d14	*63*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP42-S-12.5**					
Laboratory ID:	11-165-19					
Naphthalene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
2-Methylnaphthalene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
1-Methylnaphthalene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Acenaphthylene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Acenaphthene	**0.023**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Fluorene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Phenanthrene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Anthracene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Pyrene	**0.022**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Chrysene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo(j,k)fluoranthene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270D/SIM	11-28-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*67*	*32 - 122*				
Pyrene-d10	*46*	*33 - 125*				
Terphenyl-d14	*66*	*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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1128S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*63*	*32 - 122*				
Pyrene-d10	*69*	*33 - 125*				
Terphenyl-d14	*81*	*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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs 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:	11-158-11										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0514**	**0.0493**	0.0833	0.0833	ND	62	59	39 - 112	4	27	
Acenaphthylene	**0.0547**	**0.0502**	0.0833	0.0833	ND	66	60	40 - 121	9	34	
Acenaphthene	**0.0548**	**0.0515**	0.0833	0.0833	ND	66	62	44 - 113	6	28	
Fluorene	**0.0575**	**0.0537**	0.0833	0.0833	ND	69	64	43 - 119	7	27	
Phenanthrene	**0.0551**	**0.0516**	0.0833	0.0833	ND	66	62	35 - 124	7	30	
Anthracene	**0.0914**	**0.0856**	0.0833	0.0833	ND	110	103	30 - 140	7	26	
Fluoranthene	**0.0572**	**0.0528**	0.0833	0.0833	ND	69	63	29 - 136	8	32	
Pyrene	**0.0574**	**0.0542**	0.0833	0.0833	ND	69	65	35 - 128	6	33	
Benzo[a]anthracene	**0.0651**	**0.0616**	0.0833	0.0833	ND	78	74	30 - 143	6	31	
Chrysene	**0.0568**	**0.0536**	0.0833	0.0833	ND	68	64	32 - 129	6	33	
Benzo[b]fluoranthene	**0.0586**	**0.0539**	0.0833	0.0833	ND	70	65	23 - 140	8	29	
Benzo(j,k)fluoranthene	**0.0570**	**0.0551**	0.0833	0.0833	ND	68	66	32 - 119	3	30	
Benzo[a]pyrene	**0.0569**	**0.0539**	0.0833	0.0833	ND	68	65	31 - 131	5	32	
Indeno(1,2,3-c,d)pyrene	**0.0578**	**0.0541**	0.0833	0.0833	ND	69	65	31 - 130	7	28	
Dibenz[a,h]anthracene	**0.0574**	**0.0546**	0.0833	0.0833	ND	69	66	40 - 119	5	27	
Benzo[g,h,i]perylene	**0.0562**	**0.0538**	0.0833	0.0833	ND	67	65	39 - 119	4	29	
Surrogate:											
2-Fluorobiphenyl						*59*	*55*	*32 - 122*			
Pyrene-d10						*61*	*57*	*33 - 125*			
Terphenyl-d14						*59*	*56*	*36 - 118*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs 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:	SB1128S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0593**	**0.0600**	0.0833	0.0833	71	72	58 - 114	1	18	
Acenaphthylene	**0.0620**	**0.0632**	0.0833	0.0833	74	76	54 - 127	2	15	
Acenaphthene	**0.0609**	**0.0630**	0.0833	0.0833	73	76	58 - 119	3	15	
Fluorene	**0.0641**	**0.0684**	0.0833	0.0833	77	82	60 - 123	6	15	
Phenanthrene	**0.0633**	**0.0668**	0.0833	0.0833	76	80	54 - 120	5	15	
Anthracene	**0.105**	**0.111**	0.0833	0.0833	126	133	55 - 152	6	15	
Fluoranthene	**0.0650**	**0.0683**	0.0833	0.0833	78	82	56 - 129	5	15	
Pyrene	**0.0651**	**0.0684**	0.0833	0.0833	78	82	60 - 126	5	15	
Benzo[a]anthracene	**0.0724**	**0.0793**	0.0833	0.0833	87	95	56 - 137	9	15	
Chrysene	**0.0654**	**0.0689**	0.0833	0.0833	79	83	59 - 122	5	15	
Benzo[b]fluoranthene	**0.0634**	**0.0782**	0.0833	0.0833	76	94	46 - 133	21	21	
Benzo(j,k)fluoranthene	**0.0694**	**0.0710**	0.0833	0.0833	83	85	47 - 129	2	21	
Benzo[a]pyrene	**0.0660**	**0.0698**	0.0833	0.0833	79	84	54 - 132	6	15	
Indeno(1,2,3-c,d)pyrene	**0.0650**	**0.0680**	0.0833	0.0833	78	82	54 - 129	5	15	
Dibenz[a,h]anthracene	**0.0655**	**0.0682**	0.0833	0.0833	79	82	59 - 122	4	15	
Benzo[g,h,i]perylene	**0.0628**	**0.0660**	0.0833	0.0833	75	79	57 - 125	5	16	
Surrogate:										
2-Fluorobiphenyl					*64*	*60*	*32 - 122*			
Pyrene-d10					*70*	*72*	*33 - 125*			
Terphenyl-d14					*74*	*72*	*36 - 118*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP43-S-13.5**					
Laboratory ID:	11-165-23					
Naphthalene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0088	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*71*	*32 - 122*				
Pyrene-d10	*68*	*33 - 125*				
Terphenyl-d14	*66*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1129S2					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*91*	*32 - 122*				
Pyrene-d10	*91*	*33 - 125*				
Terphenyl-d14	*87*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs 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:	SB1129S2									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0716**	**0.0853**	0.0833	0.0833	86	102	58 - 114	17	18	
Acenaphthylene	**0.0730**	**0.0767**	0.0833	0.0833	88	92	54 - 127	5	15	
Acenaphthene	**0.0738**	**0.0798**	0.0833	0.0833	89	96	58 - 119	8	15	
Fluorene	**0.0770**	**0.0795**	0.0833	0.0833	92	95	60 - 123	3	15	
Phenanthrene	**0.0724**	**0.0757**	0.0833	0.0833	87	91	54 - 120	4	15	
Anthracene	**0.126**	**0.129**	0.0833	0.0833	151	155	55 - 152	2	15	I
Fluoranthene	**0.0770**	**0.0794**	0.0833	0.0833	92	95	56 - 129	3	15	
Pyrene	**0.0778**	**0.0801**	0.0833	0.0833	93	96	60 - 126	3	15	
Benzo[a]anthracene	**0.0808**	**0.0853**	0.0833	0.0833	97	102	56 - 137	5	15	
Chrysene	**0.0766**	**0.0793**	0.0833	0.0833	92	95	59 - 122	3	15	
Benzo[b]fluoranthene	**0.0783**	**0.0788**	0.0833	0.0833	94	95	46 - 133	1	21	
Benzo(j,k)fluoranthene	**0.0761**	**0.0807**	0.0833	0.0833	91	97	47 - 129	6	21	
Benzo[a]pyrene	**0.0801**	**0.0827**	0.0833	0.0833	96	99	54 - 132	3	15	
Indeno(1,2,3-c,d)pyrene	**0.0735**	**0.0769**	0.0833	0.0833	88	92	54 - 129	5	15	
Dibenz[a,h]anthracene	**0.0764**	**0.0783**	0.0833	0.0833	92	94	59 - 122	2	15	
Benzo[g,h,i]perylene	**0.0739**	**0.0785**	0.0833	0.0833	89	94	57 - 125	6	16	
Surrogate:										
2-Fluorobiphenyl					*81*	*87*	*32 - 122*			
Pyrene-d10					*83*	*84*	*33 - 125*			
Terphenyl-d14					*79*	*81*	*36 - 118*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP39-S-8.0**					
Laboratory ID:	11-165-07					
Naphthalene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0097	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*68*	*32 - 122*				
Pyrene-d10	*64*	*33 - 125*				
Terphenyl-d14	*62*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP40-S-6.0**					
Laboratory ID:	11-165-10					
Naphthalene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0091	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*32 - 122*				
Pyrene-d10	*68*	*33 - 125*				
Terphenyl-d14	*67*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP40-S-10.0**					
Laboratory ID:	11-165-11					
Naphthalene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0099	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*77*	*32 - 122*				
Pyrene-d10	*75*	*33 - 125*				
Terphenyl-d14	*72*	*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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-6.5**					
Laboratory ID:	11-165-14					
Naphthalene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*70*	*32 - 122*				
Pyrene-d10	*69*	*33 - 125*				
Terphenyl-d14	*68*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-8.5**					
Laboratory ID:	11-165-15					
Naphthalene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0094	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*32 - 122*				
Pyrene-d10	*70*	*33 - 125*				
Terphenyl-d14	*68*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1129S2					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*91*	*32 - 122*				
Pyrene-d10	*91*	*33 - 125*				
Terphenyl-d14	*87*	*36 - 118*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PAHs 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:	SB1129S2									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0716**	**0.0853**	0.0833	0.0833	86	102	58 - 114	17	18	
Acenaphthylene	**0.0730**	**0.0767**	0.0833	0.0833	88	92	54 - 127	5	15	
Acenaphthene	**0.0738**	**0.0798**	0.0833	0.0833	89	96	58 - 119	8	15	
Fluorene	**0.0770**	**0.0795**	0.0833	0.0833	92	95	60 - 123	3	15	
Phenanthrene	**0.0724**	**0.0757**	0.0833	0.0833	87	91	54 - 120	4	15	
Fluoranthene	**0.0770**	**0.0794**	0.0833	0.0833	92	95	56 - 129	3	15	
Pyrene	**0.0778**	**0.0801**	0.0833	0.0833	93	96	60 - 126	3	15	
Benzo[a]anthracene	**0.0808**	**0.0853**	0.0833	0.0833	97	102	56 - 137	5	15	
Chrysene	**0.0766**	**0.0793**	0.0833	0.0833	92	95	59 - 122	3	15	
Benzo[b]fluoranthene	**0.0783**	**0.0788**	0.0833	0.0833	94	95	46 - 133	1	21	
Benzo(j,k)fluoranthene	**0.0761**	**0.0807**	0.0833	0.0833	91	97	47 - 129	6	21	
Benzo[a]pyrene	**0.0801**	**0.0827**	0.0833	0.0833	96	99	54 - 132	3	15	
Indeno(1,2,3-c,d)pyrene	**0.0735**	**0.0769**	0.0833	0.0833	88	92	54 - 129	5	15	
Dibenz[a,h]anthracene	**0.0764**	**0.0783**	0.0833	0.0833	92	94	59 - 122	2	15	
Benzo[g,h,i]perylene	**0.0739**	**0.0785**	0.0833	0.0833	89	94	57 - 125	6	16	
Surrogate:										
2-Fluorobiphenyl					*81*	*87*	*32 - 122*			
Pyrene-d10					*83*	*84*	*33 - 125*			
Terphenyl-d14					*79*	*81*	*36 - 118*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-4.5**					
Laboratory ID:	11-165-01					
Aroclor 1016	**ND**	0.066	EPA 8082A	11-20-16	11-21-16	
Aroclor 1221	**ND**	0.066	EPA 8082A	11-20-16	11-21-16	
Aroclor 1232	**ND**	0.066	EPA 8082A	11-20-16	11-21-16	
Aroclor 1242	**ND**	0.066	EPA 8082A	11-20-16	11-21-16	
Aroclor 1248	**ND**	0.066	EPA 8082A	11-20-16	11-21-16	
Aroclor 1254	**ND**	0.066	EPA 8082A	11-20-16	11-21-16	
Aroclor 1260	**ND**	0.066	EPA 8082A	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*69*	*42-139*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1120S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	11-20-16	11-21-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	11-20-16	11-21-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	11-20-16	11-21-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	11-20-16	11-21-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	11-20-16	11-21-16	
Aroclor 1254	**ND**	0.050	EPA 8082A	11-20-16	11-21-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*42-139*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-165-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.346**	**0.361**	0.500	0.500	ND	**69**	**72**	26-127	4	22	
Surrogate:											
DCB						*68*	*73*	*42-139*			
SPIKE BLANK											
Laboratory ID:	SB1120S1										
Aroclor 1260	**0.438**		0.500		N/A	**88**		63-134			
Surrogate:											
DCB						*83*		*42-139*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

PCBs EPA 8082A
CONTINUING CALIBRATION SUMMARY

Lab ID	Analyte	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Column 1					
PCBCCV 1121-2	Aroclor 1016	500	472	5.6	+/- 15%
PCBCCV 1121-2	Aroclor 1260	500	449	10	+/- 15%
Column 2					
PCBCCV 1121-2	Aroclor 1016	500	440	12	+/- 15%
PCBCCV 1121-2	Aroclor 1260	500	444	11	+/- 15%
Column 1					
PCBCCV 1121-3	Aroclor 1016	500	489	2.2	+/- 15%
PCBCCV 1121-3	Aroclor 1260	500	473	5.4	+/- 15%
Column 2					
PCBCCV 1121-3	Aroclor 1016	500	478	4.4	+/- 15%
PCBCCV 1121-3	Aroclor 1260	500	482	3.6	+/- 15%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx + n-HEXANE EPA 8015M

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-S-4.5**					
Laboratory ID:	11-165-01					
n-Hexane	**ND**	0.091	EPA 8015M	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*63-124*				
Client ID:	**GP43-S-7.0**					
Laboratory ID:	11-165-22					
Gasoline	**700**	52	NWTPH-Gx	11-23-16	11-23-16	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*63-124*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx + 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:	MB1123S1					
n-Hexane	**ND**	0.010	EPA 8015M	11-23-16	11-23-16	
Gasoline	**ND**	5.0	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-165-01										
	ORIG	DUP									
n-Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*85*	*85*	*63-124*			
Laboratory ID:	11-215-01										
	ORIG	DUP									
Gasoline	**19.9**	**18.7**	NA	NA		NA		NA	6	30	
Surrogate:											
Fluorobenzene						*94*	*93*	*63-124*			
SPIKE BLANKS											
Laboratory ID:	SB1123S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.944**	**0.944**	1.00	1.00		**94**	**94**	70-124	0	12	
Toluene	**0.942**	**0.947**	1.00	1.00		**94**	**95**	73-119	1	12	
Ethyl Benzene	**0.944**	**0.942**	1.00	1.00		**94**	**94**	74-117	0	12	
m,p-Xylene	**1.03**	**0.961**	1.00	1.00		**103**	**96**	75-117	7	13	
o-Xylene	**0.979**	**0.959**	1.00	1.00		**98**	**96**	75-116	2	12	
Surrogate:											
Fluorobenzene						*89*	*91*	*63-124*			

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123G-1	5.00	4.95	1	+/- 20%
CCVD1123G-2	5.00	4.88	2	+/- 20%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

n-HEXANE EPA 8015M
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123B-1	50.0	53.0	-6	+/- 20%
CCVD1123B-2	50.0	52.9	-6	+/- 20%
CCVD1123B-3	50.0	52.3	-5	+/- 20%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

n-HEXANE EPA 8015M

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP41-S-2.5**					
Laboratory ID:	11-165-13					
n-Hexane	**ND**	0.090	EPA 8015M	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*63-124*				

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

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:	MB1129S1					
n-Hexane	**ND**	0.050	EPA 8015M	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-165-13										
	ORIG	DUP									
n-Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*98*	*96*	*63-124*			
SPIKE BLANKS											
Laboratory ID:	SB1129S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.926**	**0.898**	1.00	1.00		**93**	**90**	70-124	3	12	
Toluene	**0.921**	**0.909**	1.00	1.00		**92**	**91**	73-119	1	12	
Ethyl Benzene	**0.921**	**0.891**	1.00	1.00		**92**	**89**	74-117	3	12	
m,p-Xylene	**0.989**	**0.910**	1.00	1.00		**99**	**91**	75-117	8	13	
o-Xylene	**0.939**	**0.909**	1.00	1.00		**94**	**91**	75-116	3	12	
Surrogate:											
Fluorobenzene						*88*	*86*	*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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

n-HEXANE EPA 8015M
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1129B-1	50.0	51.0	-2	+/- 20%
CCVD1129B-2	50.0	50.7	-1	+/- 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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

SULFATE
ASTM D516-07

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Sulfate	**ND**	5.0	ASTM D516-07	11-22-16	11-22-16	

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

SULFATE
ASTM D516-07
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122F1					
Sulfate	**ND**	5.0	ASTM D516-07	11-22-16	11-22-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-164-02								
	ORIG	DUP							
Sulfate	**36.6**	**34.6**	NA	NA	NA	NA	6	10	
MATRIX SPIKE									
Laboratory ID:	11-164-02								
	MS		MS		MS				
Sulfate	**89.6**		50.0	36.6	106	77-129	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1121F1								
	SB		SB		SB				
Sulfate	**10.2**		10.0	NA	102	91-113	NA	NA	

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

SULFATE
ASTM D516-07
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Sulfate	ICV112216K	15.0	14.8	1.3	+/- 10%
Sulfate	CCV1112216K	15.0	14.8	1.3	+/- 10%
Sulfate	CCV2112216K	15.0	15.1	-0.67	+/- 10%

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-165-01					
Client ID:	**GP38-S-4.5**					
Cadmium	**ND**	0.66	6010C	11-22-16	11-23-16	
Chromium	**13**	0.66	6010C	11-22-16	11-23-16	
Lead	**ND**	6.6	6010C	11-22-16	11-23-16	
Nickel	**11**	3.3	6010C	11-22-16	11-23-16	
Zinc	**32**	3.3	6010C	11-22-16	11-23-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1122SM2

Analyte	Method	Result	PQL
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Nickel	6010C	**ND**	2.5
Zinc	6010C	**ND**	2.5

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-158-15

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**8.40**	**8.00**	5	0.50	
Lead	**ND**	**ND**	NA	5.0	
Nickel	**7.75**	**7.85**	1	2.5	
Zinc	**28.7**	**28.6**	0	2.5	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-158-15

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Cadmium	50.0	**49.1**	98	**48.0**	96	2	
Chromium	100	**107**	98	**105**	96	2	
Lead	250	**244**	98	**243**	97	1	
Nickel	100	**107**	99	**106**	98	1	
Zinc	100	**129**	101	**126**	97	3	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1122SM2

Analyte	Method	Spike Level	SB Result	Percent Recovery
Cadmium	6010C	50.0	**49.8**	100
Chromium	6010C	100	**104**	104
Lead	6010C	250	**255**	102
Nickel	6010C	100	**105**	105
Zinc	6010C	100	**99.2**	99

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Cadmium	ICV1112316P	1.00	1.04	-4.0	+/- 10%
Chromium	ICV1112316P	1.00	1.04	-4.0	+/- 10%
Lead	ICV1112316P	1.00	1.01	-1.0	+/- 10%
Nickel	ICV1112316P	1.00	1.03	-3.0	+/- 10%
Zinc	ICV1112316P	1.00	1.02	-2.0	+/- 10%
Cadmium	LLICV1112316P	0.0100	0.00762	24	+/- 30%
Chromium	LLICV1112316P	0.0100	0.0103	-3.0	+/- 30%
Lead	LLICV1112316P	0.100	0.107	-7.0	+/- 30%
Nickel	LLICV1112316P	0.0200	0.0171	15	+/- 30%
Zinc	LLICV1112316P	0.0200	0.0188	6.0	+/- 30%
Cadmium	CCV1112316P	1.00	0.941	5.9	+/- 10%
Chromium	CCV1112316P	1.00	0.970	3.0	+/- 10%
Lead	CCV1112316P	10.0	9.51	4.9	+/- 10%
Nickel	CCV1112316P	2.00	1.92	4.0	+/- 10%
Zinc	CCV1112316P	2.00	1.94	3.0	+/- 10%
Cadmium	CCV2112316P	1.00	0.986	1.4	+/- 10%
Chromium	CCV2112316P	1.00	1.01	-1.0	+/- 10%
Lead	CCV2112316P	10.0	9.97	0.30	+/- 10%
Nickel	CCV2112316P	2.00	2.02	-1.0	+/- 10%
Zinc	CCV2112316P	2.00	2.01	-0.50	+/- 10%
Cadmium	LLCCV2112316P	0.0100	0.00754	25	+/- 30%
Chromium	LLCCV2112316P	0.0100	0.00997	0.30	+/- 30%
Lead	LLCCV2112316P	0.100	0.0960	4.0	+/- 30%
Nickel	LLCCV2112316P	0.0200	0.0168	16	+/- 30%
Zinc	LLCCV2112316P	0.0200	0.0187	6.5	+/- 30%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-165-04					
Client ID:	**GP38-W-11.0**					
Calcium	**26000**	1000	6010C	11-22-16	11-23-16	
Magnesium	**7100**	1000	6010C	11-22-16	11-23-16	
Manganese	**820**	10	6010C	11-22-16	11-23-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1122WH1

Analyte	Method	Result	PQL
Calcium	6010C	**ND**	1000
Magnesium	6010C	**ND**	1000
Manganese	6010C	**ND**	10

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-165-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Calcium	**26200**	**26300**	0	1000	
Magnesium	**7150**	**7170**	0	1000	
Manganese	**820**	**814**	1	10	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-165-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Calcium	20000	**45700**	97	**46000**	99	1	
Magnesium	20000	**26700**	98	**26800**	98	0	
Manganese	500	**1340**	103	**1340**	105	0	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1122WH1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Calcium	6010C	20000	**21400**	107
Magnesium	6010C	20000	**19800**	99
Manganese	6010C	500	**537**	107

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Calcium	ICV112316P	1.00	1.09	-9.0	+/- 10%
Magnesium	ICV112316P	1.00	1.00	0	+/- 10%
Manganese	ICV112316P	1.00	1.09	-9.0	+/- 10%
Calcium	LLICV112316P	0.100	0.0957	4.3	+/- 30%
Magnesium	LLICV112316P	0.100	0.0743	26	+/- 30%
Manganese	LLICV112316P	0.0100	0.00982	1.8	+/- 30%
Calcium	CCV1112316P	10.0	10.5	-5.0	+/- 10%
Magnesium	CCV1112316P	10.0	9.44	5.6	+/- 10%
Manganese	CCV1112316P	1.00	1.03	-3.0	+/- 10%
Calcium	CCV2112316P	10.0	10.6	-6.0	+/- 10%
Magnesium	CCV2112316P	10.0	9.95	0.50	+/- 10%
Manganese	CCV2112316P	1.00	1.07	-7.0	+/- 10%
Calcium	LLCCV212316P	0.100	0.0911	8.9	+/- 30%
Magnesium	LLCCV212316P	0.100	0.0787	21	+/- 30%
Manganese	LLCCV212316P	0.0100	0.0101	-1.0	+/- 30%
Calcium	CCV3112316P	10.0	10.6	-6.0	+/- 10%
Magnesium	CCV3112316P	10.0	9.89	1.1	+/- 10%
Manganese	CCV3112316P	1.00	1.07	-7.0	+/- 10%
Calcium	LLCCV312316P	0.100	0.0975	2.5	+/- 30%
Magnesium	LLCCV312316P	0.100	0.0930	7.0	+/- 30%
Manganese	LLCCV312316P	0.0100	0.0104	-4.0	+/- 30%
Calcium	CCV4112316P	10.0	10.8	-8.0	+/- 10%
Magnesium	CCV4112316P	10.0	10.1	-1.0	+/- 10%
Manganese	CCV4112316P	1.00	1.08	-8.0	+/- 10%
Calcium	LLCCV412316P	0.100	0.0978	2.2	+/- 30%
Magnesium	LLCCV412316P	0.100	0.0739	26	+/- 30%
Manganese	LLCCV412316P	0.0100	0.0099	0.80	+/- 30%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-165-04					
Client ID:	**GP38-W-11.0**					
Iron	**24000**	56	6010C		11-18-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Analyzed: 11-18-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1118D1

Analyte	Method	Result	PQL
Iron	6010C	**ND**	56

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Analyzed: 11-18-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-165-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Iron	**23800**	**23800**	0	56	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
MS/MSD QUALITY CONTROL

Date Analyzed: 11-18-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-165-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Iron	22200	**43900**	91	**42600**	85	3	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Analyzed: 11-18-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1118D1

Analyte	Method	Spike Level	Result	Percent Recovery
Iron	6010C	22200	**22700**	102

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Iron	ICV11181616P	1.00	1.05	-5.0	+/- 10%
Iron	LLICV1111816P	0.050	0.0551	-10	+/- 30%
Iron	CCV1111816P	5.00	5.06	-1.2	+/- 10%
Iron	CCV2111816P	5.00	5.08	-1.6	+/- 10%
Iron	LLCCV2111816P	0.050	0.0526	-5.2	+/- 30%
Iron	CCV2111816P	5.00	5.12	-2.4	+/- 10%
Iron	LLCCV2111816P	0.050	0.0588	-18	+/- 30%

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Chloride	**75**	10	SM 4500-Cl E	11-21-16	11-21-16	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

CHLORIDE
SM 4500-Cl E
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1121W1					
Chloride	**ND**	2.0	SM 4500-Cl E	11-21-16	11-21-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-165-04								
	ORIG	DUP							
Chloride	**74.8**	**73.7**	NA	NA	NA	NA	1	17	
MATRIX SPIKE									
Laboratory ID:	11-165-04								
	MS		MS		MS				
Chloride	**325**		250	74.8	100	82-126	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1121W1								
	SB		SB		SB				
Chloride	**48.6**		50.0	NA	97	92-118	NA	NA	

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

CHLORIDE
SM 4500-Cl E
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Chloride	ICV112116K	50.0	47.1	5.8	+/- 10%
Chloride	CCV1112116K	50.0	49.3	1.4	+/- 10%
Chloride	CCV2112116K	50.0	51.0	-2.0	+/- 10%
Chloride	CCV3112116K	50.0	52.5	-5.0	+/- 10%
Chloride	CCV4112116K	50.0	51.5	-2.9	+/- 10%

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Nitrate	**ND**	0.050	EPA 353.2	11-17-16	11-17-16	

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117W1					
Nitrate	**ND**	0.050	EPA 353.2	11-17-16	11-17-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-142-01								
	ORIG	DUP							
Nitrate	**2.04**	**2.06**	NA	NA	NA	NA	1	9	
MATRIX SPIKE									
Laboratory ID:	11-142-01								
	MS		MS		MS				
Nitrate	**4.36**		2.00	2.04	116	93-126	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1117W1								
	SB		SB		SB				
Nitrate	**2.26**		2.00	NA	113	96-122	NA	NA	

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NITRATE (as Nitrogen)
EPA 353.2
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Nitrate	ICV111716K	2.50	2.28	8.8	+/- 10%
Nitrate	CCV1111716K	2.50	2.61	-4.4	+/- 10%
Nitrate	CCV2111716K	2.50	2.46	1.7	+/- 10%
Nitrate	CCV3111716K	2.50	2.60	-3.9	+/- 10%
Nitrate	CCV4111716K	2.50	2.45	2.0	+/- 10%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NITRITE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Nitrite	**ND**	0.020	EPA 353.2	11-16-16	11-16-16	

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NITRITE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1116W1					
Nitrite	**ND**	0.020	EPA 353.2	11-16-16	11-16-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-162-15								
	ORIG	DUP							
Nitrite	**ND**	**ND**	NA	NA	NA	NA	NA	11	
MATRIX SPIKE									
Laboratory ID:	11-162-15								
	MS		MS		MS				
Nitrite	**0.221**		0.250	ND	88	75-122	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1116W1								
	SB		SB		SB				
Nitrite	**0.244**		0.250	NA	98	83-116	NA	NA	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

NITRITE (as Nitrogen)
EPA 353.2
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Nitrite	ICV111616K	0.500	0.51	-1.5	+/- 10%
Nitrite	CCV1111616K	0.500	0.50	0.20	+/- 10%
Nitrite	CCV2111616K	0.500	0.50	-0.24	+/- 10%
Nitrite	CCV3111616K	0.500	0.50	0.18	+/- 10%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL PHOSPHORUS
EPA 365.1

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Total Phosphorus	**0.29**	0.010	EPA 365.1	11-23-16	11-23-16	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL PHOSPHORUS
EPA 365.1
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1123W1					
Total Phosphorus	**ND**	0.010	EPA 365.1	11-23-16	11-23-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-198-01								
	ORIG	DUP							
Total Phosphorus	**0.0161**	**0.0156**	NA	NA	NA	NA	3	11	
MATRIX SPIKE									
Laboratory ID:	11-198-01								
	MS		MS		MS				
Total Phosphorus	**0.282**		0.250	0.0161	106	86-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1123W1								
	SB		SB		SB				
Total Phosphorus	**0.272**		0.250	NA	109	86-111	NA	NA	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL PHOSPHORUS
EPA 365.1
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Total Phosphorus	ICV112316K	0.500	0.542	-8.3	+/- 10%
Total Phosphorus	CCV1112316K	0.500	0.522	-4.4	+/- 10%
Total Phosphorus	CCV2112316K	0.500	0.515	-3.0	+/- 10%
Total Phosphorus	CCV3112316K	0.500	0.513	-2.6	+/- 10%
Total Phosphorus	CCV4112316K	0.500	0.507	-1.3	+/- 10%
Total Phosphorus	CCV5112316K	0.500	0.521	-4.1	+/- 10%

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

ORTHOPHOSPHATE
EPA 365.1

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Orthophosphate	**0.14**	0.010	EPA 365.1	11-16-16	11-16-16	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

ORTHOPHOSPHATE
EPA 365.1
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1116W1					
Orthophosphate	**ND**	0.010	EPA 365.1	11-16-16	11-16-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-165-04								
	ORIG	DUP							
Orthophosphate	**0.140**	**0.130**	NA	NA	NA	NA	7	22	
MATRIX SPIKE									
Laboratory ID:	11-165-04								
	MS		MS		MS				
Orthophosphate	**0.364**		0.250	0.140	90	56-133	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1116W1								
	SB		SB		SB				
Orthophosphate	**0.229**		0.250	NA	92	80-111	NA	NA	

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

Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

ORTHOPHOSPHATE
EPA 365.1
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Orthophosphate	ICV111616K	0.500	0.505	-1.0	+/- 10%
Orthophosphate	CCV1111616K	0.500	0.508	-1.5	+/- 10%
Orthophosphate	CCV2111616K	0.500	0.510	-1.9	+/- 10%

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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP38-W-11.0**					
Laboratory ID:	11-165-04					
Total Organic Carbon	**9.9**	1.0	SM 5310B	11-18-16	11-18-16	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1118W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	11-18-16	11-18-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-129-02								
	ORIG	DUP							
Total Organic Carbon	**8.28**	**8.18**	NA	NA	NA	NA	1	15	
MATRIX SPIKE									
Laboratory ID:	11-129-02								
	MS		MS		MS				
Total Organic Carbon	**17.6**		10.0	8.28	93	77-126	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1118W1								
	SB		SB		SB				
Total Organic Carbon	**10.6**		10.0	NA	106	96-117	NA	NA	

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Date of Report: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

TOTAL ORGANIC CARBON
SM 5310B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Total Organic Carbon	CCV1111816N	5.00	5.06	-1.1	+/- 15%
Total Organic Carbon	CCV1111816N	50.0	50.0	0.040	+/- 15%
Total Organic Carbon	CCV1111816N	500	480	3.9	+/- 15%
Total Organic Carbon	CCV2111816N	5.00	5.11	-2.2	+/- 15%
Total Organic Carbon	CCV2111816N	50.0	49.4	1.1	+/- 15%
Total Organic Carbon	CCV2111816N	500	478	4.5	+/- 15%
Total Organic Carbon	CCV3111816N	5.00	5.20	-4.0	+/- 15%
Total Organic Carbon	CCV3111816N	50.0	49.4	1.2	+/- 15%
Total Organic Carbon	CCV3111816N	500	474	5.2	+/- 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: December 13, 2016
Samples Submitted: November 16, 2016
Laboratory Reference: 1611-165
Project: 0747.01.06-03

% MOISTURE

Date Analyzed: 11-17,18,28&29-16

Client ID	Lab ID	% Moisture
GP38-S-4.5	11-165-01	24
GP38-S-5.5	11-165-02	25
GP38-S-8.0	11-165-03	28
GP39-S-3.5	11-165-05	27
GP39-S-6.0	11-165-06	25
GP39-S-8.0	11-165-07	31
GP40-S-3.5	11-165-09	27
GP40-S-6.0	11-165-10	27
GP40-S-10.0	11-165-11	33
GP41-S-2.5	11-165-13	24
GP41-S-6.5	11-165-14	28
GP41-S-8.5	11-165-15	29
GP42-S-1.5	11-165-17	22
GP42-S-6.0	11-165-18	26
GP42-S-12.5	11-165-19	31
GP43-S-1.5	11-165-21	27
GP43-S-7.0	11-165-22	22
GP43-S-13.5	11-165-23	24

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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

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: 0747.01.06-03
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: 11-165

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	GP38-S-4.5	11/15	825	S	6
2	GP38-S-5.5	11/15	830	S	6
3	GP38-S-8.0	11/15	835	S	6
4	GP38-W-11.0	11/15	900	W	21
5	GP39-S-3.5	11/15	1030	S	5
6	GP39-S-6.0	11/15	1035	S	5
7	GP39-S-8.0	11/15	1040	S	5
8	GP39-W-7.0	~~11/15~~	1100	W	2
9	GP40-S-3.5	11/15	1150	S	6
10	GP40-S-6.0	11/15	1155	S	6

Lab ID	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	~~Halogenated Volatiles 8260C~~	~~EDB 8011~~	~~RSK-175 METHANE~~	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	~~Organophosphorus Pesticides 8270D/SIM~~ n-Hexane	~~Chlorinated Acid Herbicides 8151A~~ Sulfate	Total ~~RCRA~~ Metals Cd,Cr,Ni,Pb,Zn	~~Total NTCA Metals~~ TOTAL Mg Mn Ca	~~TCLP Metals~~ DISSOLVED Fe *	~~HEM (oil and grease) 1664A~~ Chloride	NITRATE + NITRITE	TOTAL PHOSPHORUS	ortho Phosphate	TOC	% Moisture
1	X				X					X	X		●		X							X
2			Δ	Δ						⊖												⊖
3			Δ	Δ						⊖												⊖
4			X	X	X	X	X			○			X	X		X	X	X	X	X	X	X	
5	X								X	X												X
6	X								X	X												X
7	X									▲												X
8				X																		
9			Δ	Δ						X												X
10			Δ	Δ						▲												Δ

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/16/16	945
Received	Erin Forrest	SPEEDY	11/16/16	9:45
Relinquished	Erin Forrest	SPEEDY	11/16/16	1:12
Received			11/16/16	1312
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

X Added 11/16/16. DB (STA)
○ EXTRACT AND HOLD. Requested 11/16/16.
● Added 11/22/16. DB (STA)
⊖ Added 12/28/16. DB (STA)
* Field Filtered.
⊕ Added 11/28/16. PB (ROUND 2)
Δ ~~Added 11/28/16. PB~~ ~~Extract and Hold~~
▲ Extract and Hold
Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

▲ - Added 12/9/16. DB (STA) Requested analysis

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: 0747.01.06-03
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: 11-165

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	GP40-S-10.0	11/15/16	1200	S	6
12	GP40-W-7.0	11/15/16	1215	W	13
13	GP41-S-2.5		1310	S	6
14	GP41-S-6.5		1315	S	6
15	GP41-S-8.5		1320	S	6
16	GP41-W-11.5		1400	W	13
17	GP42-S-1.5		1445	S	6
18	GP42-S-6.0		1450	S	6
19	GP42-S-12.5		1455	S	6
20	GP42-W-10.0		1530	W	10

	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		n-Hexane			% Moisture
11			Δ	Δ					◭												4
12				⊕					○												
13	X				X				X										●		X
14			Δ	Δ					◭												4
15			Δ	Δ					◭												Δ
16				X					○												
17			Δ	Δ					⊖												⊖
18			Δ	Δ					⊖												⊖
19			Δ	Δ					⊖												⊖
20			Δ	X					○												

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/16/16	945
Received	Celia Fogarty	SPEEDY	11/16/16	945
Relinquished	Celia	SPEEDY	11/16/16	1:12
Received			11/16/16	1312
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☒ Level III ☐ Level IV ☐

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

Chain of Custody

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

Laboratory Number: 11-165

Company: Maul Foster Alongi
Project Number: 0747.01.06-03
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	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
21	GP43-S-1.5	11/15/16	1630	S	5	X			●					X									X
22	GP43-S-7.0		1635	S	5	X		●	●					X									X
23	GP43-S-13.5		1640	S	5	X								⊕									X
24	GP43-W-9.0	↓	1645	W	2				X														

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/16/16	945
Received	Celia Fornetti	SEEDY	11/16/16	9:45
Relinquished	Celia Fornetti	11	11/16/16	1:12
Received	[signature]	[signature]	11/16/16	1312
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: 9747.01.06-03

OnSite Project Number: 11-165

Initiated by: BGM

Date Initiated: 11/16/16

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: 6, 5, 1 °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:

2.4) Sample 14) GP41-S-6.5 on COC
GP41-S-6.0 on labels
Sample 15) GP41-S-8.5 on COC
GP41-S- on jars
3.1) Sample 16) 1-amber ½ full (DO)

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

December 20, 2016

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

Re: Analytical Data for Project 0747.01.06-03
Laboratory Reference No. 1611-182

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on November 17, 2016.

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: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

Case Narrative

Samples were collected on November 16, 2016 and received by the laboratory on November 17, 2016. 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 (soil) Analysis

Per EPA Method 5035A, (except as noted below) 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.

Method 5035A VOA vials were not provided for samples GP51-S-3.0 and GP51-S-7.5. The samples were therefore extracted from 8-ounce jars and analyzed. Some loss of volatiles may have occurred.

NWTPH Gx/BTEX (water) Analysis

VOA vials were not provided for sample GP51-W-11.0. The sample was therefore transferred from a 500-mL container preserved with HCl to VOA vials for analysis. Some loss of volatiles may have occurred.

PAHs EPA 8270D/SIM Analysis

The Spike Blank/Spike Blank Duplicate run on November 29th had one recovery slightly above control limits, due to a small upward bias in the instruments' calibration. The sample was non-detect for this analyte so no further action was taken.

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.

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Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP44-S-3.5**					
Laboratory ID:	11-182-01					
Gasoline Range Organics	**Detected**	25	NWTPH-HCID	11-21-16	11-21-16	
Diesel Fuel #2	**Detected**	62	NWTPH-HCID	11-21-16	11-21-16	
Lube Oil	**Detected**	130	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**GP44-S-6.0**					
Laboratory ID:	11-182-02					
Gasoline Range Organics	**Detected**	27	NWTPH-HCID	11-21-16	11-21-16	
Diesel Fuel #2	**Detected**	68	NWTPH-HCID	11-21-16	11-21-16	
Lube Oil	**Detected**	140	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*101*	*50-150*				
Client ID:	**GP44-S-10.5**					
Laboratory ID:	11-182-03					
Gasoline Range Organics	**Detected**	27	NWTPH-HCID	11-21-16	11-21-16	
Diesel Fuel #2	**Detected**	67	NWTPH-HCID	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				
Client ID:	**GP51-S-1.5**					
Laboratory ID:	11-182-14					
Gasoline Range Organics	**ND**	22	NWTPH-HCID	11-21-16	11-21-16	
Diesel Range Organics	**ND**	110	NWTPH-HCID	11-21-16	11-21-16	U1
Lube Oil	**Detected**	110	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*106*	*50-150*				
Client ID:	**GP51-S-3.0**					
Laboratory ID:	11-182-15					
Gasoline Range Organics	**Detected**	26	NWTPH-HCID	11-21-16	11-21-16	
Diesel Fuel #2	**Detected**	65	NWTPH-HCID	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				

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NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP51-S-7.5**					
Laboratory ID:	11-182-16					
Gasoline Range Organics	**Detected**	22	NWTPH-HCID	11-21-16	11-21-16	
Diesel Fuel #2	**Detected**	56	NWTPH-HCID	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	110	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*106*	*50-150*				
Client ID:	**GP51-S-14.5**					
Laboratory ID:	11-182-17					
Gasoline Range Organics	**ND**	30	NWTPH-HCID	11-21-16	11-21-16	
Diesel Range Organics	**ND**	74	NWTPH-HCID	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	150	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				

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NWTPH-HCID
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1121S2					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	11-21-16	11-21-16	
Diesel Range Organics	**ND**	50	NWTPH-HCID	11-21-16	11-21-16	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	11-21-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				

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NWTPH-HCID
CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPC1121R-V1	11999262	10 ppm
SPC1121F-V1	10820324	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1121F-V2	100	106	-6.2	+/-15%
CCV1121F-V3	100	114	-14	+/-15%
CCV1121R-V2	100	95.7	4.3	+/-15%
CCV1121R-V3	100	97.0	3.0	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV1121F-V1	100	109	-9.2	+/-15%
LOCCV1121R-V1	100	113	-13	+/-15%

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NWTPH-HCID

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP51-W-11.0**					
Laboratory ID:	11-182-18					
Gasoline Range Organics	**Detected**	0.11	NWTPH-HCID	11-20-16	11-21-16	
Diesel Range Organics	**ND**	1.1	NWTPH-HCID	11-20-16	11-21-16	U1
Lube Oil Range Organics	**ND**	0.44	NWTPH-HCID	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

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NWTPH-HCID
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1120W1					
Gasoline Range Organics	**ND**	0.10	NWTPH-HCID	11-20-16	11-21-16	
Diesel Range Organics	**ND**	0.25	NWTPH-HCID	11-20-16	11-21-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-HCID	11-20-16	11-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*144*	*50-150*				

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NWTPH-HCID
CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPCCV1121F-V1	10820324	10 ppm
SPCCV1121F-T1	42758260	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1121F-T3	100	98.7	1.3	+/-15%
CCV1121F-T4	100	97.0	3.0	+/-15%
CCV1121F-V1	100	103	-2.9	+/-15%
CCV1121F-V2	100	106	-6.2	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV1121F-V1	100	109	-9.2	+/-15%
LOCCV1121F-T1	100	93.5	6.5	+/-15%

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NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP44-S-3.5**					
Laboratory ID:	11-182-01					
Gasoline	**1300**	42	NWTPH-Gx	11-28-16	11-29-16	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*63-124*				
Client ID:	**GP44-S-6.0**					
Laboratory ID:	11-182-02					
Gasoline	**ND**	40	NWTPH-Gx	11-28-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*63-124*				
Client ID:	**GP44-S-10.5**					
Laboratory ID:	11-182-03					
Gasoline	**100**	42	NWTPH-Gx	11-28-16	11-29-16	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*63-124*				
Client ID:	**GP51-S-3.0**					
Laboratory ID:	11-182-15					
Benzene	**7.7**	0.30	EPA 8021B	11-28-16	11-29-16	
Toluene	**ND**	1.5	EPA 8021B	11-28-16	11-29-16	
Ethyl Benzene	**99**	1.5	EPA 8021B	11-28-16	11-29-16	
m,p-Xylene	**360**	3.8	EPA 8021B	11-28-16	11-29-16	
o-Xylene	**97**	1.5	EPA 8021B	11-28-16	11-29-16	
Gasoline	**5300**	380	NWTPH-Gx	11-28-16	11-29-16	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*63-124*				
Client ID:	**GP51-S-7.5**					
Laboratory ID:	11-182-16					
Benzene	**0.16**	0.020	EPA 8021B	11-28-16	11-30-16	
Toluene	**ND**	0.063	EPA 8021B	11-28-16	11-30-16	
Ethyl Benzene	**8.7**	1.3	EPA 8021B	11-28-16	11-29-16	
m,p-Xylene	**6.4**	1.3	EPA 8021B	11-28-16	11-29-16	
o-Xylene	**0.61**	0.063	EPA 8021B	11-28-16	11-30-16	
Gasoline	**1000**	130	NWTPH-Gx	11-28-16	11-29-16	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*63-124*				

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NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1128S1					
Benzene	**ND**	0.020	EPA 8021B	11-28-16	11-28-16	
Toluene	**ND**	0.050	EPA 8021B	11-28-16	11-28-16	
Ethyl Benzene	**ND**	0.050	EPA 8021B	11-28-16	11-28-16	
m,p-Xylene	**ND**	0.050	EPA 8021B	11-28-16	11-28-16	
o-Xylene	**ND**	0.050	EPA 8021B	11-28-16	11-28-16	
Gasoline	**ND**	5.0	NWTPH-Gx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-182-03										
	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	**76.6**	**88.2**	NA	NA		NA		NA	14	30	
Surrogate:											
Fluorobenzene						*88*	*90*	*63-124*			
SPIKE BLANKS											
Laboratory ID:	SB1128S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.850**	**0.882**	1.00	1.00		**85**	**88**	70-124	4	12	
Toluene	**0.863**	**0.873**	1.00	1.00		**86**	**87**	73-119	1	12	
Ethyl Benzene	**0.863**	**0.891**	1.00	1.00		**86**	**89**	74-117	3	12	
m,p-Xylene	**0.963**	**0.927**	1.00	1.00		**96**	**93**	75-117	4	13	
o-Xylene	**0.898**	**0.917**	1.00	1.00		**90**	**92**	75-116	2	12	
Surrogate:											
Fluorobenzene						*80*	*85*	*63-124*			

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NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1128G-1	5.00	4.78	5	+/- 20%
CCVD1128G-3	5.00	4.80	4	+/- 20%
CCVD1129G-1	5.00	4.85	3	+/- 20%
CCVD1129G-2	5.00	4.80	4	+/- 20%
CCVD1130G-1	5.00	4.79	4	+/- 20%
CCVD1130G-2	5.00	4.50	10	+/- 20%

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BTEX by EPA 8021B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Benzene	CCVD1128B-1	50.0	49.7	1	+/- 15%
Toluene	CCVD1128B-1	50.0	50.0	0	+/- 15%
Ethyl Benzene	CCVD1128B-1	50.0	50.0	0	+/- 15%
m,p-Xylene	CCVD1128B-1	50.0	50.4	-1	+/- 15%
o-Xylene	CCVD1128B-1	50.0	49.8	0	+/- 15%
Benzene	CCVD1128B-2	50.0	47.6	5	+/- 15%
Toluene	CCVD1128B-2	50.0	48.3	3	+/- 15%
Ethyl Benzene	CCVD1128B-2	50.0	48.7	3	+/- 15%
m,p-Xylene	CCVD1128B-2	50.0	49.1	2	+/- 15%
o-Xylene	CCVD1128B-2	50.0	49.2	2	+/- 15%
Benzene	CCVD1129B-1	50.0	49.7	1	+/- 15%
Toluene	CCVD1129B-1	50.0	50.4	-1	+/- 15%
Ethyl Benzene	CCVD1129B-1	50.0	50.8	-2	+/- 15%
m,p-Xylene	CCVD1129B-1	50.0	51.4	-3	+/- 15%
o-Xylene	CCVD1129B-1	50.0	51.0	-2	+/- 15%
Benzene	CCVD1129B-2	50.0	48.5	3	+/- 15%
Toluene	CCVD1129B-2	50.0	48.9	2	+/- 15%
Ethyl Benzene	CCVD1129B-2	50.0	49.3	1	+/- 15%
m,p-Xylene	CCVD1129B-2	50.0	49.0	2	+/- 15%
o-Xylene	CCVD1129B-2	50.0	49.3	1	+/- 15%
Benzene	CCVD1129B-3	50.0	50.5	-1	+/- 15%
Toluene	CCVD1129B-3	50.0	51.3	-3	+/- 15%
Ethyl Benzene	CCVD1129B-3	50.0	50.9	-2	+/- 15%
m,p-Xylene	CCVD1129B-3	50.0	51.6	-3	+/- 15%
o-Xylene	CCVD1129B-3	50.0	51.2	-2	+/- 15%
Benzene	CCVD1130B-1	50.0	47.2	6	+/- 15%
Toluene	CCVD1130B-1	50.0	48.2	4	+/- 15%
Ethyl Benzene	CCVD1130B-1	50.0	48.3	3	+/- 15%
m,p-Xylene	CCVD1130B-1	50.0	49.1	2	+/- 15%
o-Xylene	CCVD1130B-1	50.0	48.5	3	+/- 15%
Benzene	CCVD1130B-2	50.0	47.8	4	+/- 15%
Toluene	CCVD1130B-2	50.0	48.3	3	+/- 15%
Ethyl Benzene	CCVD1130B-2	50.0	48.8	2	+/- 15%
m,p-Xylene	CCVD1130B-2	50.0	48.5	3	+/- 15%
o-Xylene	CCVD1130B-2	50.0	48.9	2	+/- 15%

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NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP51-W-11.0**					
Laboratory ID:	11-182-18					
Benzene	**15**	1.0	EPA 8021B	11-29-16	11-29-16	
Toluene	**6.1**	1.0	EPA 8021B	11-29-16	11-29-16	
Ethyl Benzene	**480**	20	EPA 8021B	11-29-16	11-29-16	
m,p-Xylene	**920**	20	EPA 8021B	11-29-16	11-29-16	
o-Xylene	**80**	1.0	EPA 8021B	11-29-16	11-29-16	
Gasoline	**7400**	2000	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*61-118*				

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NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129W1					
Benzene	**ND**	1.0	EPA 8021B	11-29-16	11-29-16	
Toluene	**ND**	1.0	EPA 8021B	11-29-16	11-29-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-29-16	11-29-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-29-16	11-29-16	
o-Xylene	**ND**	1.0	EPA 8021B	11-29-16	11-29-16	
Gasoline	**ND**	100	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-14										
	ORIG	DUP									
Benzene	**1.09**	**1.01**	NA	NA		NA		NA	8	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						*95*	*95*	*61-118*			
SPIKE BLANKS											
Laboratory ID:	SB1129W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.5**	**50.4**	50.0	50.0		**99**	**101**	79-120	2	11	
Toluene	**49.8**	**50.8**	50.0	50.0		**100**	**102**	79-118	2	12	
Ethyl Benzene	**50.5**	**51.4**	50.0	50.0		**101**	**103**	80-117	2	12	
m,p-Xylene	**50.4**	**51.4**	50.0	50.0		**101**	**103**	80-117	2	12	
o-Xylene	**50.4**	**51.6**	50.0	50.0		**101**	**103**	80-116	2	11	
Surrogate:											
Fluorobenzene						*97*	*97*	*61-118*			

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Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVH1129G-1	5.00	5.01	0	+/- 20%
CCVH1129G-2	5.00	4.78	4	+/- 20%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

BTEX by EPA 8021B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Benzene	CCVH1129B-1	50.0	51.5	-3	+/- 15%
Toluene	CCVH1129B-1	50.0	52.9	-6	+/- 15%
Ethyl Benzene	CCVH1129B-1	50.0	52.9	-6	+/- 15%
m,p-Xylene	CCVH1129B-1	50.0	53.5	-7	+/- 15%
o-Xylene	CCVH1129B-1	50.0	52.9	-6	+/- 15%
Benzene	CCVH1129B-2	50.0	50.1	0	+/- 15%
Toluene	CCVH1129B-2	50.0	50.1	0	+/- 15%
Ethyl Benzene	CCVH1129B-2	50.0	50.9	-2	+/- 15%
m,p-Xylene	CCVH1129B-2	50.0	50.7	-1	+/- 15%
o-Xylene	CCVH1129B-2	50.0	51.0	-2	+/- 15%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP50-S-1.5**					
Laboratory ID:	11-182-10					
Gasoline	**ND**	6.7	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*63-124*				
Client ID:	**GP50-S-6.5**					
Laboratory ID:	11-182-11					
Gasoline	**ND**	8.5	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*63-124*				
Client ID:	**GP50-S-13.5**					
Laboratory ID:	11-182-12					
Gasoline	**ND**	7.7	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*63-124*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S1					
Gasoline	**ND**	5.0	NWTPH-Gx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-182-12										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*95*	*99*	*63-124*			

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1129G-1	5.00	4.85	3	+/- 20%
CCVD1129G-2	5.00	4.80	4	+/- 20%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP44-S-3.5**					
Laboratory ID:	11-182-01					
Diesel Fuel #2	**8100**	1600	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil	**31000**	3100	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*---*	*50-150*				S
Client ID:	**GP44-S-6.0**					
Laboratory ID:	11-182-02					
Diesel Fuel #2	**2600**	34	NWTPH-Dx	11-29-16	11-30-16	
Lube Oil	**1700**	68	NWTPH-Dx	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**GP44-S-10.5**					
Laboratory ID:	11-182-03					
Diesel Fuel #2	**300**	34	NWTPH-Dx	11-29-16	11-30-16	
Lube Oil	**230**	67	NWTPH-Dx	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				
Client ID:	**GP51-S-1.5**					
Laboratory ID:	11-182-14					
Diesel Range Organics	**ND**	280	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil	**3100**	550	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*---*	*50-150*				S
Client ID:	**GP51-S-3.0**					
Laboratory ID:	11-182-15					
Diesel Fuel #2	**4300**	33	NWTPH-Dx	11-29-16	11-30-16	M
Lube Oil Range Organics	**ND**	82	NWTPH-Dx	11-29-16	11-30-16	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				
Client ID:	**GP51-S-7.5**					
Laboratory ID:	11-182-16					
Diesel Fuel #2	**950**	28	NWTPH-Dx	11-29-16	11-30-16	M
Lube Oil Range Organics	**ND**	100	NWTPH-Dx	11-29-16	11-30-16	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*116*	*50-150*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*111*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-219-04									
	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						*83* *86*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB1129S1									
Diesel Fuel #2	**96.2**		100		NA	**96**	58-132	NA	NA	
Surrogate:										
o-Terphenyl						*98*	*50-150*			

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1201F-V3	100	104	-4.5	+/-15%
CCV1201F-V4	100	107	-7.3	+/-15%
CCV1130F-T2	100	92.4	7.6	+/-15%
CCV1130F-T3	100	96.2	3.8	+/-15%
CCV1129F-V4	100	103	-3.3	+/-15%
CCV1129F-V5	100	105	-4.5	+/-15%
CCV1129R-V2	100	96.3	3.7	+/-15%
CCV1129R-V3	100	103	-3.5	+/-15%

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Samples Submitted: November 17, 2016
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NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP44-W-9.0**					
Laboratory ID:	11-182-04					
Diesel Range Organics	**0.88**	0.28	NWTPH-Dx	11-28-16	11-28-16	
Lube Oil Range Organics	**0.57**	0.45	NWTPH-Dx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				
Client ID:	**GP45-W-13.0**					
Laboratory ID:	11-182-05					
Diesel Range Organics	**ND**	0.27	NWTPH-Dx	11-28-16	11-28-16	
Lube Oil Range Organics	**ND**	0.44	NWTPH-Dx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**GP46-W-10.0**					
Laboratory ID:	11-182-06					
Diesel Range Organics	**ND**	0.27	NWTPH-Dx	11-28-16	11-28-16	
Lube Oil Range Organics	**ND**	0.44	NWTPH-Dx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				
Client ID:	**GP47-W-8.0**					
Laboratory ID:	11-182-07					
Diesel Range Organics	**ND**	0.28	NWTPH-Dx	11-28-16	11-28-16	
Lube Oil Range Organics	**ND**	0.44	NWTPH-Dx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				
Client ID:	**GP48-W-10.0**					
Laboratory ID:	11-182-08					
Diesel Range Organics	**ND**	0.28	NWTPH-Dx	11-28-16	11-28-16	
Lube Oil Range Organics	**ND**	0.45	NWTPH-Dx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				
Client ID:	**GP50-W-11.0**					
Laboratory ID:	11-182-13					
Diesel Range Organics	**ND**	0.28	NWTPH-Dx	11-28-16	11-28-16	
Lube Oil Range Organics	**ND**	0.44	NWTPH-Dx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				

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NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1128W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-28-16	11-28-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-28-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-162-14									
	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						*98* *96*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB1128W1									
Diesel Fuel #2	**0.694**		1.00		NA	**69**	58-113	NA	NA	
Surrogate:										
o-Terphenyl						*91*	*50-150*			

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1128R-T2	100	113	-13	+/-15%
CCV1128R-T3	100	106	-5.5	+/-15%
CCV1128R-T4	100	105	-5.3	+/-15%
CCV1128R-T5	100	105	-5.0	+/-15%
CCV1128F-T2	100	94.9	5.1	+/-15%
CCV1128F-T3	100	94.8	5.2	+/-15%

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NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1201F-V3	100	104	-4.5	+/-15%
CCV1201F-V4	100	107	-7.3	+/-15%
CCV1130F-T2	100	92.4	7.6	+/-15%
CCV1130F-T3	100	96.2	3.8	+/-15%
CCV1129F-V4	100	103	-3.3	+/-15%
CCV1129F-V5	100	105	-4.5	+/-15%
CCV1129R-V2	100	96.3	3.7	+/-15%
CCV1129R-V3	100	103	-3.5	+/-15%

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Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP50-S-1.5**					
Laboratory ID:	11-182-10					
Diesel Range Organics	**ND**	31	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**92**	62	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				
Client ID:	**GP50-S-6.5**					
Laboratory ID:	11-182-11					
Diesel Range Organics	**ND**	33	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**GP50-S-13.5**					
Laboratory ID:	11-182-12					
Diesel Range Organics	**ND**	32	NWTPH-Dx	11-29-16	12-3-16	
Lube Oil Range Organics	**ND**	65	NWTPH-Dx	11-29-16	12-3-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*73*	*50-150*				

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Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-29-16	12-1-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-158-11										
	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						*87*	*82*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1129S2										
Diesel Fuel #2	**104**		100		NA	**104**		58-132	NA	NA	
Surrogate:											
o-Terphenyl						*122*		*50-150*			

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Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1201R-V1	100	98.3	1.7	+/-15%
CCV1201R-V2	100	95.2	4.8	+/-15%
CCV1201R-V3	100	99.0	1.0	+/-15%
CCV1201F-V3	100	104	-4.5	+/-15%
CCV1201F-V4	100	107	-7.3	+/-15%
CCV1203R-V3	100	97.8	2.2	+/-15%
CCV1203R-V4	100	98.6	1.4	+/-15%
CCV1203F-V1	100	102	-2.3	+/-15%
CCV1203F-V2	100	105	-4.9	+/-15%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
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NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP49-W-9.0**					
Laboratory ID:	11-182-09					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-29-16	11-30-16	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-202-01									
	ORIG	DUP								
Diesel Range	**0.265**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*94* *88*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB1129W1									
Diesel Fuel #2	**0.900**		1.00		NA	**90**	58-113	NA	NA	
Surrogate:										
o-Terphenyl						*90*	*50-150*			

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NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1129F-V3	100	110	-10	+/-15%
CCV1129F-V4	100	103	-3.3	+/-15%
CCV1129F-V5	100	105	-4.5	+/-15%
CCV1130F-T2	100	92.4	7.6	+/-15%
CCV1130F-T3	100	96.2	3.8	+/-15%

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PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP44-S-3.5**					
Laboratory ID:	11-182-01					
Naphthalene	**0.93**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
2-Methylnaphthalene	**12**	0.17	EPA 8270D/SIM	11-23-16	11-28-16	
1-Methylnaphthalene	**7.8**	0.17	EPA 8270D/SIM	11-23-16	11-28-16	
Acenaphthylene	**0.35**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Acenaphthene	**0.63**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Fluorene	**1.5**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Phenanthrene	**1.3**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Anthracene	**0.26**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Fluoranthene	**0.29**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Pyrene	**0.56**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[a]anthracene	**0.075**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Chrysene	**0.19**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[b]fluoranthene	**0.057**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo(j,k)fluoranthene	**0.050**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[a]pyrene	**0.19**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Indeno(1,2,3-c,d)pyrene	**0.081**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Dibenz[a,h]anthracene	**ND**	0.17	EPA 8270D/SIM	11-23-16	11-28-16	
Benzo[g,h,i]perylene	**0.12**	0.017	EPA 8270D/SIM	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*54*	*32 - 122*				
Pyrene-d10	*95*	*33 - 125*				
Terphenyl-d14	*68*	*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: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP44-S-6.0**					
Laboratory ID:	11-182-02					
Naphthalene	**0.27**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
2-Methylnaphthalene	**5.3**	0.091	EPA 8270D/SIM	11-23-16	11-28-16	
1-Methylnaphthalene	**3.4**	0.091	EPA 8270D/SIM	11-23-16	11-28-16	
Acenaphthylene	**0.18**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Acenaphthene	**0.34**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Fluorene	**0.82**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Phenanthrene	**0.90**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Anthracene	**0.19**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Fluoranthene	**0.051**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Pyrene	**0.061**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[a]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Chrysene	**0.019**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[b]fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo(j,k)fluoranthene	**ND**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[a]pyrene	**ND**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Dibenz[a,h]anthracene	**ND**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[g,h,i]perylene	**ND**	0.0091	EPA 8270D/SIM	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*32 - 122*				
Pyrene-d10	*74*	*33 - 125*				
Terphenyl-d14	*76*	*36 - 118*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP50-S-1.5**					
Laboratory ID:	11-182-10					
Naphthalene	**0.11**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
2-Methylnaphthalene	**0.15**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
1-Methylnaphthalene	**0.14**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Acenaphthylene	**0.018**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Acenaphthene	**ND**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Fluorene	**0.014**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Phenanthrene	**0.12**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Anthracene	**0.036**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Fluoranthene	**0.091**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Pyrene	**0.089**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Benzo[a]anthracene	**0.054**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Chrysene	**0.060**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Benzo[b]fluoranthene	**0.071**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Benzo(j,k)fluoranthene	**0.021**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Benzo[a]pyrene	**0.055**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Indeno(1,2,3-c,d)pyrene	**0.044**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Dibenz[a,h]anthracene	**0.0092**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Benzo[g,h,i]perylene	**0.044**	0.0083	EPA 8270D/SIM	11-23-16	11-28-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*56*	*32 - 122*				
Pyrene-d10	*59*	*33 - 125*				
Terphenyl-d14	*70*	*36 - 118*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1123S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*70*	*32 - 122*				
Pyrene-d10	*85*	*33 - 125*				
Terphenyl-d14	*90*	*36 - 118*				

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Date of Report: December 20, 2016
Samples Submitted: December 9, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs 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:	11-211-03										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0564**	**0.0594**	0.0833	0.0833	ND	68	71	39 - 112	5	27	
Acenaphthylene	**0.0618**	**0.0638**	0.0833	0.0833	ND	74	77	40 - 121	3	34	
Acenaphthene	**0.0600**	**0.0637**	0.0833	0.0833	0.0233	44	48	44 - 113	6	28	
Fluorene	**0.0627**	**0.0660**	0.0833	0.0833	ND	75	79	43 - 119	5	27	
Phenanthrene	**0.0597**	**0.0637**	0.0833	0.0833	ND	72	76	35 - 124	6	30	
Anthracene	**0.100**	**0.109**	0.0833	0.0833	ND	120	131	30 - 140	9	26	
Fluoranthene	**0.0625**	**0.0665**	0.0833	0.0833	ND	75	80	29 - 136	6	32	
Pyrene	**0.0632**	**0.0670**	0.0833	0.0833	0.0151	58	62	35 - 128	6	33	
Benzo[a]anthracene	**0.0706**	**0.0744**	0.0833	0.0833	ND	85	89	30 - 143	5	31	
Chrysene	**0.0617**	**0.0684**	0.0833	0.0833	ND	74	82	32 - 129	10	33	
Benzo[b]fluoranthene	**0.0640**	**0.0701**	0.0833	0.0833	ND	77	84	23 - 140	9	29	
Benzo(j,k)fluoranthene	**0.0607**	**0.0644**	0.0833	0.0833	ND	73	77	32 - 119	6	30	
Benzo[a]pyrene	**0.0624**	**0.0685**	0.0833	0.0833	ND	75	82	31 - 131	9	32	
Indeno(1,2,3-c,d)pyrene	**0.0616**	**0.0642**	0.0833	0.0833	ND	74	77	31 - 130	4	28	
Dibenz[a,h]anthracene	**0.0617**	**0.0637**	0.0833	0.0833	ND	74	76	40 - 119	3	27	
Benzo[g,h,i]perylene	**0.0604**	**0.0594**	0.0833	0.0833	ND	73	71	39 - 119	2	29	
Surrogate:											
2-Fluorobiphenyl						*58*	*61*	*32 - 122*			
Pyrene-d10						*66*	*71*	*33 - 125*			
Terphenyl-d14						*63*	*68*	*36 - 118*			

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Date of Report: December 20, 2016
Samples Submitted: December 9, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs 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:	SB1123S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0605**	**0.0573**	0.0833	0.0833	73	69	58 - 114	5	18	
Acenaphthylene	**0.0630**	**0.0585**	0.0833	0.0833	76	70	54 - 127	7	15	
Acenaphthene	**0.0614**	**0.0581**	0.0833	0.0833	74	70	58 - 119	6	15	
Fluorene	**0.0669**	**0.0629**	0.0833	0.0833	80	76	60 - 123	6	15	
Phenanthrene	**0.0646**	**0.0611**	0.0833	0.0833	78	73	54 - 120	6	15	
Anthracene	**0.106**	**0.100**	0.0833	0.0833	127	120	55 - 152	6	15	
Fluoranthene	**0.0661**	**0.0625**	0.0833	0.0833	79	75	56 - 129	6	15	
Pyrene	**0.0668**	**0.0627**	0.0833	0.0833	80	75	60 - 126	6	15	
Benzo[a]anthracene	**0.0745**	**0.0722**	0.0833	0.0833	89	87	56 - 137	3	15	
Chrysene	**0.0687**	**0.0632**	0.0833	0.0833	82	76	59 - 122	8	15	
Benzo[b]fluoranthene	**0.0661**	**0.0628**	0.0833	0.0833	79	75	46 - 133	5	21	
Benzo(j,k)fluoranthene	**0.0686**	**0.0637**	0.0833	0.0833	82	76	47 - 129	7	21	
Benzo[a]pyrene	**0.0681**	**0.0641**	0.0833	0.0833	82	77	54 - 132	6	15	
Indeno(1,2,3-c,d)pyrene	**0.0669**	**0.0591**	0.0833	0.0833	80	71	54 - 129	12	15	
Dibenz[a,h]anthracene	**0.0671**	**0.0581**	0.0833	0.0833	81	70	59 - 122	14	15	
Benzo[g,h,i]perylene	**0.0643**	**0.0556**	0.0833	0.0833	77	67	57 - 125	15	16	
Surrogate:										
2-Fluorobiphenyl					*66*	*55*	*32 - 122*			
Pyrene-d10					*71*	*66*	*33 - 125*			
Terphenyl-d14					*69*	*64*	*36 - 118*			

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP44-S-10.5**					
Laboratory ID:	11-182-03					
Naphthalene	**0.023**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**0.22**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**0.14**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**0.016**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**0.035**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**0.042**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*51*	*32 - 122*				
Pyrene-d10	*55*	*33 - 125*				
Terphenyl-d14	*56*	*36 - 118*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP50-S-6.5**					
Laboratory ID:	11-182-11					
Naphthalene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
2-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
1-Methylnaphthalene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Acenaphthylene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Acenaphthene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Fluorene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Phenanthrene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Anthracene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Pyrene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Benzo[a]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Chrysene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Benzo[b]fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Benzo(j,k)fluoranthene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Benzo[a]pyrene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Dibenz[a,h]anthracene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Benzo[g,h,i]perylene	**ND**	0.0089	EPA 8270D/SIM	11-29-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*59*	*32 - 122*				
Pyrene-d10	*66*	*33 - 125*				
Terphenyl-d14	*65*	*36 - 118*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP50-S-13.5**					
Laboratory ID:	11-182-12					
Naphthalene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**0.025**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**0.024**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0086	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*86*	*32 - 122*				
Pyrene-d10	*62*	*33 - 125*				
Terphenyl-d14	*84*	*36 - 118*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1129S2					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*91*	*32 - 122*				
Pyrene-d10	*91*	*33 - 125*				
Terphenyl-d14	*87*	*36 - 118*				

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

PAHs 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:	SB1129S2									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0716**	**0.0853**	0.0833	0.0833	86	102	58 - 114	17	18	
Acenaphthylene	**0.0730**	**0.0767**	0.0833	0.0833	88	92	54 - 127	5	15	
Acenaphthene	**0.0738**	**0.0798**	0.0833	0.0833	89	96	58 - 119	8	15	
Fluorene	**0.0770**	**0.0795**	0.0833	0.0833	92	95	60 - 123	3	15	
Phenanthrene	**0.0724**	**0.0757**	0.0833	0.0833	87	91	54 - 120	4	15	
Anthracene	**0.126**	**0.129**	0.0833	0.0833	151	155	55 - 152	2	15	I
Fluoranthene	**0.0770**	**0.0794**	0.0833	0.0833	92	95	56 - 129	3	15	
Pyrene	**0.0778**	**0.0801**	0.0833	0.0833	93	96	60 - 126	3	15	
Benzo[a]anthracene	**0.0808**	**0.0853**	0.0833	0.0833	97	102	56 - 137	5	15	
Chrysene	**0.0766**	**0.0793**	0.0833	0.0833	92	95	59 - 122	3	15	
Benzo[b]fluoranthene	**0.0783**	**0.0788**	0.0833	0.0833	94	95	46 - 133	1	21	
Benzo(j,k)fluoranthene	**0.0761**	**0.0807**	0.0833	0.0833	91	97	47 - 129	6	21	
Benzo[a]pyrene	**0.0801**	**0.0827**	0.0833	0.0833	96	99	54 - 132	3	15	
Indeno(1,2,3-c,d)pyrene	**0.0735**	**0.0769**	0.0833	0.0833	88	92	54 - 129	5	15	
Dibenz[a,h]anthracene	**0.0764**	**0.0783**	0.0833	0.0833	92	94	59 - 122	2	15	
Benzo[g,h,i]perylene	**0.0739**	**0.0785**	0.0833	0.0833	89	94	57 - 125	6	16	
Surrogate:										
2-Fluorobiphenyl					*81*	*87*	*32 - 122*			
Pyrene-d10					*83*	*84*	*33 - 125*			
Terphenyl-d14					*79*	*81*	*36 - 118*			

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-182-10					
Client ID:	**GP50-S-1.5**					
Arsenic	**ND**	12	6010C	11-22-16	11-23-16	
Cadmium	**ND**	0.62	6010C	11-22-16	11-23-16	
Chromium	**46**	0.62	6010C	11-22-16	11-23-16	
Lead	**310**	6.2	6010C	11-22-16	11-23-16	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1122SM2

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-158-15

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**8.40**	**8.00**	5	0.50	
Lead	**ND**	**ND**	NA	5.0	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-158-15

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**93.8**	94	**92.6**	93	1	
Cadmium	50.0	**49.1**	98	**48.0**	96	2	
Chromium	100	**107**	98	**105**	96	2	
Lead	250	**244**	98	**243**	97	1	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 11-22-16
Date Analyzed: 11-23-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1122SM2

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6010C	100	**96.5**	96
Cadmium	6010C	50.0	**49.8**	100
Chromium	6010C	100	**104**	104
Lead	6010C	250	**255**	102

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	ICV112316P	1.00	0.978	2.2	+/- 10%
Cadmium	ICV112316P	1.00	1.04	-4.0	+/- 10%
Chromium	ICV112316P	1.00	1.04	-4.0	+/- 10%
Lead	ICV112316P	1.00	1.01	-1.0	+/- 10%
Arsenic	LLICV1112316P	0.100	0.0933	6.7	+/- 30%
Cadmium	LLICV1112316P	0.0100	0.00762	24	+/- 30%
Chromium	LLICV1112316P	0.0100	0.0103	-3.0	+/- 30%
Lead	LLICV1112316P	0.100	0.107	-7.0	+/- 30%
Arsenic	CCV1112316P	10.0	9.63	3.7	+/- 10%
Cadmium	CCV1112316P	1.00	0.941	5.9	+/- 10%
Chromium	CCV1112316P	1.00	0.970	3.0	+/- 10%
Lead	CCV1112316P	10.0	9.51	4.9	+/- 10%
Arsenic	CCV2112316P	10.0	9.64	3.6	+/- 10%
Cadmium	CCV2112316P	1.00	0.986	1.4	+/- 10%
Chromium	CCV2112316P	1.00	1.01	-1.0	+/- 10%
Lead	CCV2112316P	10.0	9.97	0.31	+/- 10%
Arsenic	LLCCV2112316P	0.100	0.0936	6.4	+/- 30%
Cadmium	LLCCV2112316P	0.0100	0.00754	25	+/- 30%
Chromium	LLCCV2112316P	0.0100	0.00997	0.30	+/- 30%
Lead	LLCCV2112316P	0.100	0.0960	4.0	+/- 30%
Arsenic	CCV3	10.0	9.50	5.0	+/- 10%
Cadmium	CCV3	1.00	0.978	2.2	+/- 10%
Chromium	CCV3	1.00	1.01	-1.0	+/- 10%
Lead	CCV3	10.0	9.90	1.0	+/- 10%
Arsenic	LLCCV3	0.100	0.0800	20	+/- 30%
Cadmium	LLCCV3	0.0100	0.00727	27	+/- 30%
Chromium	LLCCV3	0.0100	0.0111	-11	+/- 30%
Lead	LLCCV3	0.100	0.0999	0.10	+/- 30%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-182-11					
Client ID:	**GP50-S-6.5**					
Arsenic	**ND**	13	6010C	12-13-16	12-13-16	
Cadmium	**ND**	0.67	6010C	12-13-16	12-13-16	
Chromium	**32**	0.67	6010C	12-13-16	12-13-16	
Lead	**ND**	6.7	6010C	12-13-16	12-13-16	
Lab ID:	11-182-12					
Client ID:	**GP50-S-13.5**					
Arsenic	**ND**	13	6010C	12-13-16	12-13-16	
Cadmium	**ND**	0.65	6010C	12-13-16	12-13-16	
Chromium	**41**	0.65	6010C	12-13-16	12-13-16	
Lead	**ND**	6.5	6010C	12-13-16	12-13-16	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 12-13-16
Date Analyzed: 12-13-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1213SM2

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 12-13-16
Date Analyzed: 12-13-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-086-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**0.535**	**0.520**	3	0.50	
Chromium	**16.6**	**14.3**	15	0.50	
Lead	**38.2**	**38.4**	1	5.0	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 12-13-16
Date Analyzed: 12-13-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-086-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**98.9**	99	**102**	102	3	
Cadmium	50.0	**47.7**	94	**47.6**	94	0	
Chromium	100	**107**	90	**107**	91	0	
Lead	250	**274**	94	**268**	92	2	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 12-13-16
Date Analyzed: 12-13-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1213SM2

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6010C	100	**103**	103
Cadmium	6010C	50.0	**48.5**	97
Chromium	6010C	100	**100**	100
Lead	6010C	250	**249**	100

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	ICV121316P	1.00	1.06	-6.0	+/- 10%
Cadmium	ICV121316P	1.00	1.05	-5.0	+/- 10%
Chromium	ICV121316P	1.00	1.05	-5.0	+/- 10%
Lead	ICV121316P	1.00	1.03	-3.0	+/- 10%
Arsenic	LLICV1121316P	0.100	0.119	-19	+/- 30%
Cadmium	LLICV1121316P	0.0100	0.0115	-15	+/- 30%
Chromium	LLICV1121316P	0.0100	0.00806	19	+/- 30%
Lead	LLICV1121316P	0.100	0.0940	6.0	+/- 30%
Arsenic	CCV1121316P	10.0	10.0	0	+/- 10%
Cadmium	CCV1121316P	1.00	0.954	4.6	+/- 10%
Chromium	CCV1121316P	1.00	0.973	2.7	+/- 10%
Lead	CCV1121316P	10.0	9.95	0.50	+/- 10%
Arsenic	CCV2121316P	10.0	10.4	-4.0	+/- 10%
Cadmium	CCV2121316P	1.00	0.994	0.60	+/- 10%
Chromium	CCV2121316P	1.00	1.01	-1.0	+/- 10%
Lead	CCV2121316P	10.0	9.96	0.40	+/- 10%
Arsenic	LLCCV2121316P	0.100	0.111	-11	+/- 30%
Cadmium	LLCCV2121316P	0.0100	0.0128	-28	+/- 30%
Chromium	LLCCV2121316P	0.0100	0.0108	-8.0	+/- 30%
Lead	LLCCV2121316P	0.100	0.0934	6.6	+/- 30%
Arsenic	CCV3121316P	10.0	10.1	-1.0	+/- 10%
Cadmium	CCV3121316P	1.00	0.965	3.5	+/- 10%
Chromium	CCV3121316P	1.00	0.981	1.9	+/- 10%
Lead	CCV3121316P	10.0	9.75	2.5	+/- 10%
Arsenic	LLCCV3121316P	0.100	0.112	-12	+/- 30%
Cadmium	LLCCV3121316P	0.0100	0.0114	-14	+/- 30%
Chromium	LLCCV3121316P	0.0100	0.00943	5.7	+/- 30%
Lead	LLCCV3121316P	0.100	0.0934	6.6	+/- 30%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	CCV4121316P	10.0	10.7	-7.0	+/- 10%
Cadmium	CCV4121316P	1.00	1.03	-3.0	+/- 10%
Chromium	CCV4121316P	1.00	1.04	-4.0	+/- 10%
Lead	CCV4121316P	10.0	10.3	-3.0	+/- 10%
Arsenic	CCV5121316P	10.0	9.93	0.70	+/- 10%
Cadmium	CCV5121316P	1.00	0.959	4.1	+/- 10%
Chromium	CCV5121316P	1.00	0.971	2.9	+/- 10%
Lead	CCV5121316P	10.0	9.65	3.5	+/- 10%
Arsenic	CCV6121316P	10.0	10.2	-2.0	+/- 10%
Cadmium	CCV6121316P	1.00	0.975	2.5	+/- 10%
Chromium	CCV6121316P	1.00	0.986	1.4	+/- 10%
Lead	CCV6121316P	10.0	9.81	1.9	+/- 10%
Arsenic	CCV7121316P	10.0	10.3	-3.0	+/- 10%
Cadmium	CCV7121316P	1.00	0.975	2.5	+/- 10%
Chromium	CCV7121316P	1.00	0.995	0.50	+/- 10%
Lead	CCV7121316P	10.0	9.80	2.0	+/- 10%
Arsenic	LLCCV4121316P	0.100	0.125	-25	+/- 30%
Cadmium	LLCCV4121316P	0.0100	0.0104	-4.0	+/- 30%
Chromium	LLCCV4121316P	0.0100	0.00900	10	+/- 30%
Lead	LLCCV4121316P	0.100	0.0849	15	+/- 30%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL LEAD
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-182-15					
Client ID:	**GP51-S-3.0**					
Lead	**ND**	6.5	6010C	12-2-16	12-2-16	
Lab ID:	11-182-16					
Client ID:	**GP51-S-7.5**					
Lead	**ND**	5.5	6010C	12-2-16	12-2-16	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL LEAD
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	12-2-16
Date Analyzed:	12-2-16
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1202SM2

Analyte	Method	Result	PQL
Lead	6010C	**ND**	5.0

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL LEAD
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 12-2-16
Date Analyzed: 12-2-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-182-16

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	5.0	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL LEAD
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 12-2-16
Date Analyzed: 12-2-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-182-16

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**226**	90	**230**	92	2	

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL LEAD
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 12-2-16
Date Analyzed: 12-2-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1202SM2

Analyte	Method	Spike Level	Spike Result	Percent Recovery
Lead	6010C	250	**241**	96

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

TOTAL LEAD
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Lead	ICV120216P	1.00	1.03	-3.0	+/- 10%
Lead	LLICV1120216P	0.100	0.103	-3.0	+/- 30%
Lead	CCV1120216P	10.0	9.91	0.90	+/- 10%
Lead	CCV2120216P	10.0	9.33	6.7	+/- 10%
Lead	LLCCV2120216P	0.100	0.100	0	+/- 30%

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Date of Report: December 20, 2016
Samples Submitted: November 17, 2016
Laboratory Reference: 1611-182
Project: 0747.01.06-03

% MOISTURE

Date Analyzed: 11-21,22&29-16

Client ID	Lab ID	% Moisture
GP44-S-3.5	11-182-01	20
GP44-S-6.0	11-182-02	27
GP44-S-10.5	11-182-03	25
GP50-S-1.5	11-182-10	19
GP50-W-6.5	11-182-11	25
GP50-S-13.5	11-182-12	23
GP51-S-1.5	11-182-14	9
GP51-S-3.0	11-182-15	23
GP51-S-7.5	11-182-16	10
GP51-S-14.5	11-182-17	32

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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

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: 0747.01.06-03
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: 11-182

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	GP44-S-3.5	11/16/16	855	S	5
2	GP44-S-6.0		900	S	5
3	GP44-S-10.5		905	S	5
4	GP44-W-9.0		925	W	2
5	GP45-W-13.0		1040	W	2
6	GP46-W-10.0		1130	W	2
7	GP47-W-8.0		1210	W	2
8	GP48-W-10.0		1300	W	2
9	GP49-W-9.0		1340	W	2
10	GP50-S-1.5		1350	S	6

	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 Metals (As, Cd, Cr, Pb)	TCLP Metals	HEM (oil and grease) 1664A						% Moisture
1	X		○	○					X														X
2	X		○	○					X														X
3	X		○	○					ⓘ														X
4				X																			
5				X																			
6				X																			
7				X																			
8				X																			
9				⊖																			
10			⊖	⊖				X						X									X

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/17/16	923
Received	Celia Forrester	SPEEDY	11/17/16	9:23
Relinquished	Celia Forrester	SPEEDY	11/17/16	1045
Received	[illegible]	[illegible]	11/17/16	1045
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

(X) Added 11/21/16 DB (STA)
○ Added 11/23/16. DB (STA)
● Added 11/29/16. DB (STA)
⊖ Added 11/29/16
ⓘ Added 11/30/16. DB (STA)
⊛ - Added 12/1/16 DB 4/30/16 DB (STA)

Data Package: Standard ☒ Level III ☐ Level IV ☐

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

△ - Added 12/9/16. DB (STA)

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: 0747.01.06-03
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: 11-182

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 (As Cd Cr Pb)	TCLP Metals	HEM (oil and grease) 1664A		TOTAL LEAD			% Moisture
11	GP50-S-6.5	11/16/16	1355	S	6			⊖	⊖					●						△							●
12	GP50-S-13.5	11/16/16	1400	S	6			⊖	⊖					●						△							●
13	GP50-W-11.0	11/16/16	1440	W	2				X																		
14	GP51-S-1.5		1510	S	1	X			○					~~●~~	NO												X
15	GP51-S-3.0		1515	S	1	X	○		○					~~●~~	NO									⊛			X
16	GP51-S-7.5		1520	S	1	X	○		○					~~●~~	NO									⊛			X
17	GP51-S-14.5		1525	S	1	X								~~●~~	NO												X
18	GP51-W-11.0		1550	W	2	X	○								D3												

	Signature	Company	Date	Time
Relinquished		MFA	11/17/16	923
Received		SPEEDY	11/17/16	9:23
Relinquished		SPEEDY	11/17/16	10:45
Received			11/17/16	1045
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~● EXTRACT AND HOLD~~
Canceled 11/30/16 .D3

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: 0747.01.0003

OnSite Project Number: 11-182

Initiated by: Blair Goodrow

Date Initiated: 11/7/11

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: 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

December 7, 2016

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

Re: Analytical Data for Project 0747.01.06-03
Laboratory Reference No. 1611-202

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on November 18, 2016.

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

Case Narrative

Samples were collected on November 17 and 18, 2016 and received by the laboratory on November 18, 2016. 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.

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-HCID

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP56-S-1.5**					
Laboratory ID:	11-202-08					
Gasoline Range Organics	**ND**	26	NWTPH-HCID	11-22-16	11-23-16	
Diesel Range Organics	**ND**	64	NWTPH-HCID	11-22-16	11-23-16	
Lube Oil Range Organics	**ND**	130	NWTPH-HCID	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-HCID
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122S1					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	11-22-16	11-23-16	
Diesel Range Organics	**ND**	50	NWTPH-HCID	11-22-16	11-23-16	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-HCID
CALIBRATION SUMMARY

GASOLINE RANGE HYDROCARBONS

Lab ID	Instrument Response	True Value
SPC1123R-T1	17918570	10 ppm

DIESEL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1123R-T1	100	98.3	1.7	+/-15%
CCV1123R-T2	100	103	-3.2	+/-15%

LUBE OIL RANGE HYDROCARBONS

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
LOCCV1123R-T1	100	90.4	10	+/-15%

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-Gx/n-HEXANE EPA 8015M

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP54-W-10.0**					
Laboratory ID:	11-202-05					
n-Hexane	**ND**	1.0	EPA 8015M	11-23-16	11-23-16	
Gasoline	**290**	100	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*61-118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-Gx/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:	MB1123W3					
n-Hexane	**ND**	1.0	EPA 8015M	11-23-16	11-23-16	
Gasoline	**ND**	100	NWTPH-Gx	11-23-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-165-04										
	ORIG	DUP									
n-Hexane	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**388**	**418**	NA	NA		NA		NA	7	30	
Surrogate:											
Fluorobenzene						*104*	*100*	*61-118*			
SPIKE BLANKS											
Laboratory ID:	SB1123W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.2**	**49.7**	50.0	50.0		**98**	**99**	79-120	1	11	
Toluene	**49.7**	**49.9**	50.0	50.0		**99**	**100**	79-118	0	12	
Ethyl Benzene	**50.5**	**50.7**	50.0	50.0		**101**	**101**	80-117	0	12	
m,p-Xylene	**50.4**	**50.7**	50.0	50.0		**101**	**101**	80-117	1	12	
o-Xylene	**50.4**	**50.9**	50.0	50.0		**101**	**102**	80-116	1	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*61-118*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123G-1	5.00	4.95	1	+/- 20%
CCVD1123G-2	5.00	4.88	2	+/- 20%

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

n-HEXANE EPA 8015M
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1123B-1	50.0	53.0	-6	+/- 15%
CCVD1123B-2	50.0	52.9	-6	+/- 15%

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP54-W-10.0**					
Laboratory ID:	11-202-05					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-22-16	11-22-16	
Benzene	ND	0.20	EPA 8260C	11-22-16	11-22-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-22-16	11-22-16	
Toluene	ND	1.0	EPA 8260C	11-22-16	11-22-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-22-16	11-22-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-22-16	11-22-16	
o-Xylene	ND	0.20	EPA 8260C	11-22-16	11-22-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*77-129*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*96*	*80-125*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1122W1					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-22-16	11-22-16	
Benzene	ND	0.20	EPA 8260C	11-22-16	11-22-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-22-16	11-22-16	
Toluene	ND	1.0	EPA 8260C	11-22-16	11-22-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-22-16	11-22-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-22-16	11-22-16	
o-Xylene	ND	0.20	EPA 8260C	11-22-16	11-22-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*77-129*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*94*	*80-125*				

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

VOLATILES 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:	SB1122W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**8.41**	**8.23**	10.0	10.0	84	82	63-127	2	17	
Benzene	**9.74**	**9.61**	10.0	10.0	97	96	76-121	1	12	
Trichloroethene	**8.33**	**8.15**	10.0	10.0	83	82	64-114	2	15	
Toluene	**8.99**	**8.84**	10.0	10.0	90	88	82-115	2	13	
Chlorobenzene	**9.59**	**9.32**	10.0	10.0	96	93	80-115	3	14	
Surrogate:										
Dibromofluoromethane					*98*	*99*	*77-129*			
Toluene-d8					*100*	*100*	*80-127*			
4-Bromofluorobenzene					*98*	*98*	*80-125*			

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP52-W-8.0**					
Laboratory ID:	11-202-01					
Diesel Range Organics	**0.27**	0.26	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				
Client ID:	**GP53-W-12.0**					
Laboratory ID:	11-202-04					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				
Client ID:	**GP54-W-10.0**					
Laboratory ID:	11-202-05					
Diesel Range Organics	**1.0**	0.26	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*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.

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Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-29-16	11-29-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-202-01										
	ORIG	DUP									
Diesel Range Organics	**0.265**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*94*	*88*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1129W1										
Diesel Fuel #2	**0.900**		1.00		NA	**90**		58-113	NA	NA	
Surrogate:											
o-Terphenyl						*90*		*50-150*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1129F-V3	100	110	-10	+/-15%
CCV1129F-V4	100	103	-3.3	+/-15%
CCV1129F-V5	100	105	-4.5	+/-15%

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Date of Report: December 7, 2016
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Laboratory Reference: 1611-202
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NAPHTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP52-W-8.0**					
Laboratory ID:	11-202-01					
Naphthalene	**ND**	0.094	EPA 8270D/SIM	11-22-16	11-22-16	
2-Methylnaphthalene	**ND**	0.094	EPA 8270D/SIM	11-22-16	11-22-16	
1-Methylnaphthalene	**ND**	0.094	EPA 8270D/SIM	11-22-16	11-22-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*67*	*30 - 124*				
Pyrene-d10	*80*	*40 - 143*				
Terphenyl-d14	*88*	*27 - 127*				

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Date of Report: December 7, 2016
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Laboratory Reference: 1611-202
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP53-W-12.0**					
Laboratory ID:	11-202-04					
Naphthalene	**0.11**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*52*	*30 - 124*				
Pyrene-d10	*62*	*40 - 143*				
Terphenyl-d14	*65*	*27 - 127*				

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Laboratory Reference: 1611-202
Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP54-W-10.0**					
Laboratory ID:	11-202-05					
Naphthalene	**0.48**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
1-Methylnaphthalene	**0.90**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*44*	*30 - 124*				
Pyrene-d10	*50*	*40 - 143*				
Terphenyl-d14	*55*	*27 - 127*				

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Project: 0747.01.06-03

NAPHTHALENES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1122W1					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	11-22-16	11-22-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*67*	*30 - 124*				
Pyrene-d10	*87*	*40 - 143*				
Terphenyl-d14	*105*	*27 - 127*				

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Date of Report: December 7, 2016
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Project: 0747.01.06-03

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:	SB1122W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.375**	**0.362**	0.500	0.500	75	72	29 - 101	4	47	
Surrogate:										
2-Fluorobiphenyl					*57*	*56*	*30 - 124*			
Pyrene-d10					*85*	*82*	*40 - 143*			
Terphenyl-d14					*90*	*84*	*27 - 127*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP53-S-1.0**					
Laboratory ID:	11-202-02					
Naphthalene	**0.22**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**0.36**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**0.34**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**0.019**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**0.012**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**0.022**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.21**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.036**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.13**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.11**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.079**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.099**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.10**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**0.021**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.066**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.049**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**0.011**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**0.043**	0.0081	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*53*	*32 - 122*				
Pyrene-d10	*54*	*33 - 125*				
Terphenyl-d14	*64*	*36 - 118*				

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Date of Report: December 7, 2016
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Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP57-S-1.0**					
Laboratory ID:	11-202-09					
Naphthalene	**0.041**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**0.073**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**0.090**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.057**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.0078**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.018**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.018**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.012**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.016**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.020**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.0097**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.0081**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*50*	*32 - 122*				
Pyrene-d10	*53*	*33 - 125*				
Terphenyl-d14	*57*	*36 - 118*				

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Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP58-S-1.5**					
Laboratory ID:	11-202-11					
Naphthalene	**1.3**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
2-Methylnaphthalene	**1.1**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
1-Methylnaphthalene	**0.79**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthylene	**1.0**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthene	**ND**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Fluorene	**0.17**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Phenanthrene	**1.6**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Anthracene	**0.80**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Fluoranthene	**2.1**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Pyrene	**3.5**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]anthracene	**1.6**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Chrysene	**1.6**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[b]fluoranthene	**2.0**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo(j,k)fluoranthene	**0.49**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]pyrene	**1.6**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**1.0**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Dibenz[a,h]anthracene	**0.18**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[g,h,i]perylene	**1.0**	0.072	EPA 8270D/SIM	12-1-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*77*	*32 - 122*				
Pyrene-d10	*81*	*33 - 125*				
Terphenyl-d14	*90*	*36 - 118*				

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Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP60-S-2.3**					
Laboratory ID:	11-202-15					
Naphthalene	**0.089**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**0.16**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**0.15**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**0.0087**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.10**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.016**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.052**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.055**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.031**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.037**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.032**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**0.0096**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.026**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.018**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**0.019**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*57*	*32 - 122*				
Pyrene-d10	*63*	*33 - 125*				
Terphenyl-d14	*70*	*36 - 118*				

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Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP61-S-1.5**					
Laboratory ID:	11-202-17					
Naphthalene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**ND**	0.0071	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*66*	*32 - 122*				
Pyrene-d10	*68*	*33 - 125*				
Terphenyl-d14	*71*	*36 - 118*				

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Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP63-S-1.0**					
Laboratory ID:	11-202-21					
Naphthalene	**0.059**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**0.066**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**0.058**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**0.012**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.045**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.017**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.075**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.15**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.076**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.097**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.19**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**0.049**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.19**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.20**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**0.022**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**0.24**	0.0070	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*53*	*32 - 122*				
Pyrene-d10	*56*	*33 - 125*				
Terphenyl-d14	*59*	*36 - 118*				

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Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP64-S-1.2**					
Laboratory ID:	11-202-23					
Naphthalene	**0.067**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**0.14**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**0.14**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**ND**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.078**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.015**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.042**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.049**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.036**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.035**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.035**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**0.010**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.031**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.020**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**0.021**	0.0077	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*58*	*32 - 122*				
Pyrene-d10	*61*	*33 - 125*				
Terphenyl-d14	*67*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP65-S-1.0**					
Laboratory ID:	11-202-25					
Naphthalene	**0.017**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**0.030**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**0.031**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**ND**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.024**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**ND**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.016**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.018**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.012**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.012**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.014**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**ND**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.011**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.0076**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**0.0087**	0.0076	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*47*	*32 - 122*				
Pyrene-d10	*50*	*33 - 125*				
Terphenyl-d14	*52*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP66-S-2.0**					
Laboratory ID:	11-202-27					
Naphthalene	**0.014**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**ND**	0.0092	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*34*	*32 - 122*				
Pyrene-d10	*39*	*33 - 125*				
Terphenyl-d14	*40*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP67-S-2.0**					
Laboratory ID:	11-202-29					
Naphthalene	**0.20**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**0.38**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**0.37**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**0.014**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**0.013**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**0.017**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.19**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.020**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.022**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.035**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.031**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.048**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.020**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**ND**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.016**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**ND**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*86*	*32 - 122*				
Pyrene-d10	*53*	*33 - 125*				
Terphenyl-d14	*110*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP68-S-1.8**					
Laboratory ID:	11-202-31					
Naphthalene	**0.65**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**1.6**	0.017	EPA 8270D/SIM	11-29-16	12-1-16	
1-Methylnaphthalene	**1.4**	0.017	EPA 8270D/SIM	11-29-16	12-1-16	
Acenaphthylene	**0.053**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**0.052**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**0.11**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.45**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.13**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.14**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.19**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**0.12**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**0.13**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**0.058**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**0.081**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**0.054**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**0.050**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**0.024**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**0.036**	0.0084	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*52*	*32 - 122*				
Pyrene-d10	*57*	*33 - 125*				
Terphenyl-d14	*58*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP69-S-1.0**					
Laboratory ID:	11-202-33					
Naphthalene	**0.44**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
2-Methylnaphthalene	**0.55**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
1-Methylnaphthalene	**0.41**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthylene	**0.074**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthene	**0.031**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Fluorene	**0.034**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Phenanthrene	**0.34**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Anthracene	**0.13**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Fluoranthene	**0.42**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Pyrene	**0.74**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]anthracene	**0.38**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Chrysene	**0.42**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[b]fluoranthene	**0.93**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo(j,k)fluoranthene	**0.20**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]pyrene	**0.77**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**0.74**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Dibenz[a,h]anthracene	**0.10**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[g,h,i]perylene	**0.85**	0.030	EPA 8270D/SIM	12-1-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*67*	*32 - 122*				
Pyrene-d10	*70*	*33 - 125*				
Terphenyl-d14	*81*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP70-S-1.0**					
Laboratory ID:	11-202-35					
Naphthalene	**0.31**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
2-Methylnaphthalene	**0.38**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
1-Methylnaphthalene	**0.28**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthylene	**0.037**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthene	**ND**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Fluorene	**0.032**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Phenanthrene	**0.32**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Anthracene	**0.066**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Fluoranthene	**0.32**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Pyrene	**0.36**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]anthracene	**0.20**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Chrysene	**0.24**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[b]fluoranthene	**0.33**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo(j,k)fluoranthene	**0.098**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]pyrene	**0.21**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**0.20**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Dibenz[a,h]anthracene	**0.029**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[g,h,i]perylene	**0.19**	0.016	EPA 8270D/SIM	12-1-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*71*	*32 - 122*				
Pyrene-d10	*65*	*33 - 125*				
Terphenyl-d14	*81*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP72-S-1.0**					
Laboratory ID:	11-202-39					
Naphthalene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthylene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Acenaphthene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Fluorene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Phenanthrene	**0.017**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Anthracene	**0.025**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Fluoranthene	**0.063**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Pyrene	**0.052**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]anthracene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Chrysene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[b]fluoranthene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo(j,k)fluoranthene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[a]pyrene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Benzo[g,h,i]perylene	**ND**	0.0078	EPA 8270D/SIM	11-29-16	11-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*50*	*32 - 122*				
Pyrene-d10	*50*	*33 - 125*				
Terphenyl-d14	*65*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1129S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	11-29-16	11-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*65*	*32 - 122*				
Pyrene-d10	*70*	*33 - 125*				
Terphenyl-d14	*69*	*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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1201S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*91*	*32 - 122*				
Pyrene-d10	*91*	*33 - 125*				
Terphenyl-d14	*89*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs 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:	SB1129S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0689**	**0.0698**	0.0833	0.0833	83	84	58 - 114	1	18	
Acenaphthylene	**0.0666**	**0.0668**	0.0833	0.0833	80	80	54 - 127	0	15	
Acenaphthene	**0.0670**	**0.0661**	0.0833	0.0833	80	79	58 - 119	1	15	
Fluorene	**0.0755**	**0.0748**	0.0833	0.0833	91	90	60 - 123	1	15	
Phenanthrene	**0.0690**	**0.0700**	0.0833	0.0833	83	84	54 - 120	1	15	
Anthracene	**0.123**	**0.122**	0.0833	0.0833	148	146	55 - 152	1	15	
Fluoranthene	**0.0734**	**0.0735**	0.0833	0.0833	88	88	56 - 129	0	15	
Pyrene	**0.0748**	**0.0746**	0.0833	0.0833	90	90	60 - 126	0	15	
Benzo[a]anthracene	**0.0826**	**0.0834**	0.0833	0.0833	99	100	56 - 137	1	15	
Chrysene	**0.0805**	**0.0810**	0.0833	0.0833	97	97	59 - 122	1	15	
Benzo[b]fluoranthene	**0.0748**	**0.0709**	0.0833	0.0833	90	85	46 - 133	5	21	
Benzo(j,k)fluoranthene	**0.0737**	**0.0780**	0.0833	0.0833	88	94	47 - 129	6	21	
Benzo[a]pyrene	**0.0756**	**0.0760**	0.0833	0.0833	91	91	54 - 132	1	15	
Indeno(1,2,3-c,d)pyrene	**0.0731**	**0.0740**	0.0833	0.0833	88	89	54 - 129	1	15	
Dibenz[a,h]anthracene	**0.0737**	**0.0739**	0.0833	0.0833	88	89	59 - 122	0	15	
Benzo[g,h,i]perylene	**0.0750**	**0.0755**	0.0833	0.0833	90	91	57 - 125	1	16	
Surrogate:										
2-Fluorobiphenyl					*72*	*71*	*32 - 122*			
Pyrene-d10					*79*	*78*	*33 - 125*			
Terphenyl-d14					*79*	*78*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs 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:	11-202-36										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0710**	**0.0761**	0.0833	0.0833	ND	85	91	39 - 112	7	27	
Acenaphthylene	**0.0667**	**0.0702**	0.0833	0.0833	ND	80	84	40 - 121	5	34	
Acenaphthene	**0.0664**	**0.0716**	0.0833	0.0833	ND	80	86	44 - 113	8	28	
Fluorene	**0.0720**	**0.0730**	0.0833	0.0833	ND	86	88	43 - 119	1	27	
Phenanthrene	**0.0671**	**0.0690**	0.0833	0.0833	ND	81	83	35 - 124	3	30	
Anthracene	**0.119**	**0.119**	0.0833	0.0833	ND	143	143	30 - 140	0	26	II
Fluoranthene	**0.0720**	**0.0731**	0.0833	0.0833	ND	86	88	29 - 136	2	32	
Pyrene	**0.0732**	**0.0742**	0.0833	0.0833	ND	88	89	35 - 128	1	33	
Benzo[a]anthracene	**0.0701**	**0.0743**	0.0833	0.0833	ND	84	89	30 - 143	6	31	
Chrysene	**0.0777**	**0.0775**	0.0833	0.0833	ND	93	93	32 - 129	0	33	
Benzo[b]fluoranthene	**0.0714**	**0.0680**	0.0833	0.0833	ND	86	82	23 - 140	5	29	
Benzo(j,k)fluoranthene	**0.0748**	**0.0805**	0.0833	0.0833	ND	90	97	32 - 119	7	30	
Benzo[a]pyrene	**0.0752**	**0.0769**	0.0833	0.0833	ND	90	92	31 - 131	2	32	
Indeno(1,2,3-c,d)pyrene	**0.0665**	**0.0676**	0.0833	0.0833	ND	80	81	31 - 130	2	28	
Dibenz[a,h]anthracene	**0.0716**	**0.0731**	0.0833	0.0833	ND	86	88	40 - 119	2	27	
Benzo[g,h,i]perylene	**0.0704**	**0.0720**	0.0833	0.0833	ND	85	86	39 - 119	2	29	
Surrogate:											
2-Fluorobiphenyl						*74*	*79*	*32 - 122*			
Pyrene-d10						*79*	*79*	*33 - 125*			
Terphenyl-d14						*74*	*77*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs 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:	SB1201S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0771**	**0.0867**	0.0833	0.0833	93	104	58 - 114	12	18	
Acenaphthylene	**0.0781**	**0.0787**	0.0833	0.0833	94	94	54 - 127	1	15	
Acenaphthene	**0.0795**	**0.0805**	0.0833	0.0833	95	97	58 - 119	1	15	
Fluorene	**0.0838**	**0.0827**	0.0833	0.0833	101	99	60 - 123	1	15	
Phenanthrene	**0.0769**	**0.0778**	0.0833	0.0833	92	93	54 - 120	1	15	
Fluoranthene	**0.0821**	**0.0817**	0.0833	0.0833	99	98	56 - 129	0	15	
Pyrene	**0.0833**	**0.0827**	0.0833	0.0833	100	99	60 - 126	1	15	
Benzo[a]anthracene	**0.0842**	**0.0884**	0.0833	0.0833	101	106	56 - 137	5	15	
Chrysene	**0.0870**	**0.0840**	0.0833	0.0833	104	101	59 - 122	4	15	
Benzo[b]fluoranthene	**0.0783**	**0.0855**	0.0833	0.0833	94	103	46 - 133	9	21	
Benzo(j,k)fluoranthene	**0.0900**	**0.0840**	0.0833	0.0833	108	101	47 - 129	7	21	
Benzo[a]pyrene	**0.0873**	**0.0876**	0.0833	0.0833	105	105	54 - 132	0	15	
Indeno(1,2,3-c,d)pyrene	**0.0801**	**0.0808**	0.0833	0.0833	96	97	54 - 129	1	15	
Dibenz[a,h]anthracene	**0.0819**	**0.0839**	0.0833	0.0833	98	101	59 - 122	2	15	
Benzo[g,h,i]perylene	**0.0820**	**0.0827**	0.0833	0.0833	98	99	57 - 125	1	16	
Surrogate:										
2-Fluorobiphenyl					*78*	*90*	*32 - 122*			
Pyrene-d10					*90*	*89*	*33 - 125*			
Terphenyl-d14					*86*	*86*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP58-S-2.5**					
Laboratory ID:	11-202-12					
Naphthalene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
2-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
1-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthylene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Fluorene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Phenanthrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Anthracene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Fluoranthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Pyrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]anthracene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Chrysene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[b]fluoranthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo(j,k)fluoranthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]pyrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Dibenz[a,h]anthracene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[g,h,i]perylene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*67*	*32 - 122*				
Pyrene-d10	*64*	*33 - 125*				
Terphenyl-d14	*63*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP59-S-2.0**					
Laboratory ID:	11-202-13					
Naphthalene	**0.26**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
2-Methylnaphthalene	**0.46**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
1-Methylnaphthalene	**0.42**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthylene	**0.039**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthene	**0.017**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Fluorene	**0.036**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Phenanthrene	**0.35**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Anthracene	**0.072**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Fluoranthene	**0.19**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Pyrene	**0.22**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]anthracene	**0.14**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Chrysene	**0.16**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[b]fluoranthene	**0.17**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo(j,k)fluoranthene	**0.043**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]pyrene	**0.12**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**0.074**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Dibenz[a,h]anthracene	**0.016**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[g,h,i]perylene	**0.069**	0.0087	EPA 8270D/SIM	12-1-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*69*	*32 - 122*				
Pyrene-d10	*68*	*33 - 125*				
Terphenyl-d14	*85*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP62-S-1.0**					
Laboratory ID:	11-202-19					
Naphthalene	**0.22**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
2-Methylnaphthalene	**0.35**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
1-Methylnaphthalene	**0.25**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthylene	**0.034**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthene	**ND**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Fluorene	**0.024**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Phenanthrene	**0.32**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Anthracene	**0.040**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Fluoranthene	**0.32**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Pyrene	**0.33**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]anthracene	**0.11**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Chrysene	**0.19**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[b]fluoranthene	**0.24**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo(j,k)fluoranthene	**0.064**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]pyrene	**0.15**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**0.12**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Dibenz[a,h]anthracene	**0.018**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[g,h,i]perylene	**0.11**	0.0079	EPA 8270D/SIM	12-1-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*65*	*32 - 122*				
Pyrene-d10	*65*	*33 - 125*				
Terphenyl-d14	*76*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP69-S-2.0**					
Laboratory ID:	11-202-34					
Naphthalene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
2-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
1-Methylnaphthalene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthylene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Acenaphthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Fluorene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Phenanthrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Anthracene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Fluoranthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Pyrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]anthracene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Chrysene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[b]fluoranthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo(j,k)fluoranthene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[a]pyrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Dibenz[a,h]anthracene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Benzo[g,h,i]perylene	**ND**	0.0086	EPA 8270D/SIM	12-1-16	12-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*71*	*32 - 122*				
Pyrene-d10	*70*	*33 - 125*				
Terphenyl-d14	*68*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP70-S-1.5**					
Laboratory ID:	11-202-36					
Naphthalene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Acenaphthylene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Acenaphthene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Fluorene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Phenanthrene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Anthracene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Fluoranthene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Pyrene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Chrysene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0087	EPA 8270D/SIM	12-1-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*81*	*32 - 122*				
Pyrene-d10	*83*	*33 - 125*				
Terphenyl-d14	*80*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1201S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	12-1-16	12-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*91*	*32 - 122*				
Pyrene-d10	*91*	*33 - 125*				
Terphenyl-d14	*89*	*36 - 118*				

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs 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:	SB1201S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0771**	**0.0867**	0.0833	0.0833	93	104	58 - 114	12	18	
Acenaphthylene	**0.0781**	**0.0787**	0.0833	0.0833	94	94	54 - 127	1	15	
Acenaphthene	**0.0795**	**0.0805**	0.0833	0.0833	95	97	58 - 119	1	15	
Fluorene	**0.0838**	**0.0827**	0.0833	0.0833	101	99	60 - 123	1	15	
Phenanthrene	**0.0769**	**0.0778**	0.0833	0.0833	92	93	54 - 120	1	15	
Fluoranthene	**0.0821**	**0.0817**	0.0833	0.0833	99	98	56 - 129	0	15	
Pyrene	**0.0833**	**0.0827**	0.0833	0.0833	100	99	60 - 126	1	15	
Benzo[a]anthracene	**0.0842**	**0.0884**	0.0833	0.0833	101	106	56 - 137	5	15	
Chrysene	**0.0870**	**0.0840**	0.0833	0.0833	104	101	59 - 122	4	15	
Benzo[b]fluoranthene	**0.0783**	**0.0855**	0.0833	0.0833	94	103	46 - 133	9	21	
Benzo(j,k)fluoranthene	**0.0900**	**0.0840**	0.0833	0.0833	108	101	47 - 129	7	21	
Benzo[a]pyrene	**0.0873**	**0.0876**	0.0833	0.0833	105	105	54 - 132	0	15	
Indeno(1,2,3-c,d)pyrene	**0.0801**	**0.0808**	0.0833	0.0833	96	97	54 - 129	1	15	
Dibenz[a,h]anthracene	**0.0819**	**0.0839**	0.0833	0.0833	98	101	59 - 122	2	15	
Benzo[g,h,i]perylene	**0.0820**	**0.0827**	0.0833	0.0833	98	99	57 - 125	1	16	
Surrogate:										
2-Fluorobiphenyl					*78*	*90*	*32 - 122*			
Pyrene-d10					*90*	*89*	*33 - 125*			
Terphenyl-d14					*86*	*86*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

PAHs 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:	11-202-36										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0710**	**0.0761**	0.0833	0.0833	ND	85	91	39 - 112	7	27	
Acenaphthylene	**0.0667**	**0.0702**	0.0833	0.0833	ND	80	84	40 - 121	5	34	
Acenaphthene	**0.0664**	**0.0716**	0.0833	0.0833	ND	80	86	44 - 113	8	28	
Fluorene	**0.0720**	**0.0730**	0.0833	0.0833	ND	86	88	43 - 119	1	27	
Phenanthrene	**0.0671**	**0.0690**	0.0833	0.0833	ND	81	83	35 - 124	3	30	
Fluoranthene	**0.0720**	**0.0731**	0.0833	0.0833	ND	86	88	29 - 136	2	32	
Pyrene	**0.0732**	**0.0742**	0.0833	0.0833	ND	88	89	35 - 128	1	33	
Benzo[a]anthracene	**0.0701**	**0.0743**	0.0833	0.0833	ND	84	89	30 - 143	6	31	
Chrysene	**0.0777**	**0.0775**	0.0833	0.0833	ND	93	93	32 - 129	0	33	
Benzo[b]fluoranthene	**0.0714**	**0.0680**	0.0833	0.0833	ND	86	82	23 - 140	5	29	
Benzo(j,k)fluoranthene	**0.0748**	**0.0805**	0.0833	0.0833	ND	90	97	32 - 119	7	30	
Benzo[a]pyrene	**0.0752**	**0.0769**	0.0833	0.0833	ND	90	92	31 - 131	2	32	
Indeno(1,2,3-c,d)pyrene	**0.0665**	**0.0676**	0.0833	0.0833	ND	80	81	31 - 130	2	28	
Dibenz[a,h]anthracene	**0.0716**	**0.0731**	0.0833	0.0833	ND	86	88	40 - 119	2	27	
Benzo[g,h,i]perylene	**0.0704**	**0.0720**	0.0833	0.0833	ND	85	86	39 - 119	2	29	
Surrogate:											
2-Fluorobiphenyl						*74*	*79*	*32 - 122*			
Pyrene-d10						*79*	*79*	*33 - 125*			
Terphenyl-d14						*74*	*77*	*36 - 118*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-202-02					
Client ID:	**GP53-S-1.0**					
Arsenic	**ND**	12	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.60	6010C	11-29-16	11-30-16	
Chromium	**22**	0.60	6010C	11-29-16	11-30-16	
Lead	**72**	6.0	6010C	11-29-16	11-30-16	
Lab ID:	11-202-09					
Client ID:	**GP57-S-1.0**					
Arsenic	**ND**	12	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.58	6010C	11-29-16	11-30-16	
Chromium	**17**	0.58	6010C	11-29-16	11-30-16	
Lead	**16**	5.8	6010C	11-29-16	11-30-16	
Lab ID:	11-202-11					
Client ID:	**GP58-S-1.5**					
Arsenic	**ND**	11	6010C	11-29-16	11-30-16	
Cadmium	**0.81**	0.54	6010C	11-29-16	11-30-16	
Chromium	**19**	0.54	6010C	11-29-16	11-30-16	
Lead	**160**	5.4	6010C	11-29-16	11-30-16	
Lab ID:	11-202-15					
Client ID:	**GP60-S-2.3**					
Arsenic	**ND**	11	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.57	6010C	11-29-16	11-30-16	
Chromium	**38**	0.57	6010C	11-29-16	11-30-16	
Lead	**42**	5.7	6010C	11-29-16	11-30-16	

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-202-17					
Client ID:	**GP61-S-1.5**					
Arsenic	**ND**	11	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.53	6010C	11-29-16	11-30-16	
Chromium	**50**	0.53	6010C	11-29-16	11-30-16	
Lead	**6.4**	5.3	6010C	11-29-16	11-30-16	
Lab ID:	11-202-21					
Client ID:	**GP63-S-1.0**					
Arsenic	**ND**	11	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.53	6010C	11-29-16	11-30-16	
Chromium	**34**	0.53	6010C	11-29-16	11-30-16	
Lead	**11**	5.3	6010C	11-29-16	11-30-16	
Lab ID:	11-202-23					
Client ID:	**GP64-S-1.2**					
Arsenic	**ND**	12	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.58	6010C	11-29-16	11-30-16	
Chromium	**20**	0.58	6010C	11-29-16	11-30-16	
Lead	**25**	5.8	6010C	11-29-16	11-30-16	
Lab ID:	11-202-25					
Client ID:	**GP65-S-1.0**					
Arsenic	**ND**	11	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.57	6010C	11-29-16	11-30-16	
Chromium	**21**	0.57	6010C	11-29-16	11-30-16	
Lead	**54**	5.7	6010C	11-29-16	11-30-16	

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-202-27					
Client ID:	**GP66-S-2.0**					
Arsenic	**ND**	14	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.69	6010C	11-29-16	11-30-16	
Chromium	**30**	0.69	6010C	11-29-16	11-30-16	
Lead	**7.5**	6.9	6010C	11-29-16	11-30-16	
Lab ID:	11-202-29					
Client ID:	**GP67-S-2.0**					
Arsenic	**ND**	13	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.63	6010C	11-29-16	11-30-16	
Chromium	**25**	0.63	6010C	11-29-16	11-30-16	
Lead	**34**	6.3	6010C	11-29-16	11-30-16	
Lab ID:	11-202-31					
Client ID:	**GP68-S-1.8**					
Arsenic	**ND**	13	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.63	6010C	11-29-16	11-30-16	
Chromium	**20**	0.63	6010C	11-29-16	11-30-16	
Lead	**170**	6.3	6010C	11-29-16	11-30-16	
Lab ID:	11-202-33					
Client ID:	**GP69-S-1.0**					
Arsenic	**ND**	11	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.56	6010C	11-29-16	11-30-16	
Chromium	**29**	0.56	6010C	11-29-16	11-30-16	
Lead	**30**	5.6	6010C	11-29-16	11-30-16	

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Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-202-35					
Client ID:	**GP70-S-1.0**					
Arsenic	**ND**	12	6010C	11-29-16	11-30-16	
Cadmium	**0.65**	0.58	6010C	11-29-16	11-30-16	
Chromium	**31**	0.58	6010C	11-29-16	11-30-16	
Lead	**100**	5.8	6010C	11-29-16	11-30-16	
Lab ID:	11-202-39					
Client ID:	**GP72-S-1.0**					
Arsenic	**ND**	12	6010C	11-29-16	11-30-16	
Cadmium	**ND**	0.59	6010C	11-29-16	11-30-16	
Chromium	**9.5**	0.59	6010C	11-29-16	11-30-16	
Lead	**ND**	5.9	6010C	11-29-16	11-30-16	

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-29-16
Date Analyzed: 11-30-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1129SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 11-29-16
Date Analyzed: 11-30-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-202-39

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**8.15**	**7.20**	12	0.50	
Lead	**ND**	**ND**	NA	5.0	

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 11-29-16
Date Analyzed: 11-30-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-202-39

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**97.0**	97	**101**	101	4	
Cadmium	50.0	**47.2**	94	**48.4**	97	2	
Chromium	100	**104**	96	**105**	97	1	
Lead	250	**234**	94	**242**	97	3	

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 11-29-16
Date Analyzed: 11-30-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1129SM1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6010C	100	**101**	101
Cadmium	6010C	50.0	**49.7**	99
Chromium	6010C	100	**103**	103
Lead	6010C	250	**253**	101

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

Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	ICV113016P	1.00	1.03	-3.0	+/- 10%
Cadmium	ICV113016P	1.00	1.05	-5.0	+/- 10%
Chromium	ICV113016P	1.00	1.04	-4.0	+/- 10%
Lead	ICV113016P	1.00	1.00	0	+/- 10%
Arsenic	LLICV1113016P	0.100	0.107	-7.0	+/- 30%
Cadmium	LLICV1113016P	0.0100	0.00882	12	+/- 30%
Chromium	LLICV1113016P	0.0100	0.0105	-5.0	+/- 30%
Lead	LLICV1113016P	0.100	0.0901	9.9	+/- 30%
Arsenic	CCV1113016P	10.0	10.0	0	+/- 10%
Cadmium	CCV1113016P	1.00	0.952	4.8	+/- 10%
Chromium	CCV1113016P	1.00	1.02	-2.0	+/- 10%
Lead	CCV1113016P	10.0	9.97	0.30	+/- 10%
Arsenic	CCV2113016P	10.0	10.0	0	+/- 10%
Cadmium	CCV2113016P	1.00	0.948	5.2	+/- 10%
Chromium	CCV2113016P	1.00	1.02	-2.0	+/- 10%
Lead	CCV2113016P	10.0	10.0	0	+/- 10%
Arsenic	LLCCV2113016P	0.100	0.122	-22	+/- 30%
Cadmium	LLCCV2113016P	0.0100	0.00964	3.6	+/- 30%
Chromium	LLCCV2113016P	0.0100	0.0109	-9.0	+/- 30%
Lead	LLCCV2113016P	0.100	0.0902	9.8	+/- 30%
Arsenic	CCV3113016P	10.0	10.3	-3.0	+/- 10%
Cadmium	CCV3113016P	1.00	0.958	4.2	+/- 10%
Chromium	CCV3113016P	1.00	1.03	-3.0	+/- 10%
Lead	CCV3113016P	10.0	10.0	0	+/- 10%
Arsenic	LLCCV3113016P	0.100	0.127	-27	+/- 30%
Cadmium	LLCCV3113016P	0.0100	0.0103	-3.0	+/- 30%
Chromium	LLCCV3113016P	0.0100	0.0110	-10	+/- 30%
Lead	LLCCV3113016P	0.100	0.0932	6.8	+/- 30%

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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	CCV4113016P	10.0	9.92	0.80	+/- 10%
Cadmium	CCV4113016P	1.00	0.927	7.3	+/- 10%
Chromium	CCV4113016P	1.00	1.00	0	+/- 10%
Lead	CCV4113016P	10.0	9.77	2.3	+/- 10%
Arsenic	LLCCV4113016P	0.100	0.107	-7.0	+/- 30%
Cadmium	LLCCV4113016P	0.0100	0.0108	-8.0	+/- 30%
Chromium	LLCCV4113016P	0.0100	0.0100	0	+/- 30%
Lead	LLCCV4113016P	0.100	0.0958	4.2	+/- 30%
Arsenic	CCV5113016P	10.0	10.0	0	+/- 10%
Cadmium	CCV5113016P	1.00	0.944	5.6	+/- 10%
Chromium	CCV5113016P	1.00	1.01	-1.0	+/- 10%
Lead	CCV5113016P	10.0	9.83	1.7	+/- 10%
Arsenic	LLCCV5113016P	0.100	0.117	-17	+/- 30%
Cadmium	LLCCV5113016P	0.0100	0.00924	7.6	+/- 30%
Chromium	LLCCV5113016P	0.0100	0.00934	6.6	+/- 30%
Lead	LLCCV5113016P	0.100	0.0973	2.7	+/- 30%

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-202-05					
Client ID:	**GP54-W-10.0**					
Lead	**ND**	1.0	200.8		11-23-16	

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1122F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-211-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-211-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**182**	91	**178**	89	2	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

DISSOLVED LEAD
EPA 200.8
SPIKE BLANK QUALITY CONTROL

Date Analyzed: 11-23-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1122F1

Analyte	Method	Spike Level	Result	Percent Recovery
Lead	200.8	200	**184**	92

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 7, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-158
Project: 0747.01.06-03

DISSOLVED LEAD
EPA 200.8
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Lead	ICV112316X	50.0	48.0	4.0	+/- 10%
Lead	CCV112316X	40.0	37.4	6.5	+/- 10%
Lead	CCV112316X	20.0	18.5	7.5	+/- 10%
Lead	CCV2112316X	40.0	36.1	9.8	+/- 10%
Lead	CCV2112316X	20.0	18.7	6.5	+/- 10%
Lead	CCV3112316X	40.0	37.8	5.5	+/- 10%
Lead	CCV3112316X	20.0	19.2	4.0	+/- 10%

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP54-W-10.0**					
Laboratory ID:	11-202-05					
EDB	**ND**	0.0096	EPA 8011	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*107*	*25-143*				

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

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:	MB1122W1					
EDB	**ND**	0.010	EPA 8011	11-22-16	11-23-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*97*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1122W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.0957**	**0.0984**	0.100	0.100	N/A	**96**	**98**	77-128	3	15	
Surrogate:											
TCMX						*102*	*108*	*25-143*			

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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202
Project: 0747.01.06-03

% MOISTURE

Date Analyzed: 11-22&28&12-1-16

Client ID	Lab ID	% Moisture
GP53-S-1.0	11-202-02	17
GP56-S-1.5	11-202-08	22
GP57-S-1.0	11-202-09	14
GP58-S-1.5	11-202-11	8
GP58-S-2.5	11-202-12	22
GP59-S-2.0	11-202-13	23
GP60-S-2.3	11-202-15	13
GP61-S-1.5	11-202-17	6
GP62-S-1.0	11-202-19	16
GP63-S-1.0	11-202-21	5
GP64-S-1.2	11-202-23	13
GP65-S-1.0	11-202-25	13
GP66-S-2.0	11-202-27	28
GP67-S-2.0	11-202-29	21
GP68-S-1.8	11-202-31	20
GP69-S-1.0	11-202-33	11
GP69-S-2.0	11-202-34	22
GP70-S-1.0	11-202-35	14
GP70-S-1.5	11-202-36	23
GP72-S-1.0	11-202-39	15

This report pertains to the samples analyzed in accordance with the chain of custody,
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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

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: 0747.01.06-03
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: 11-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	~~Semivolatiles~~ 8270D/SIM PAHs-Full List (with low-level PAHs)	PAHs 8270D/SIM (low-level) *NAPHTHALENES ONLY	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total ~~MTCA~~ Metals As, Cd, Cr, Pb	TCLP Metals	HEM (oil and grease) 1664A		* DISSOLVED LEAD	EDB 8011	n-Hexane	EDC, MTBE 8260	% Moisture
1	GP52-W-8.0	11/17/16	900	W	11				X				X														
2	GP53-S-1.0		1000	S	1							X							X								X
3	GP53-S-3.0		1005	S	1																						
4	GP53-W-~~10.0~~ 12.0		1030	W	11				X				X														
5	GP54-W-10.0		1210	W	12		X		X				X										X	X	X	X	
6	GP55-S-1.5		1340	S	1																						
7	GP55-S-3.0		1345	S	1																						
8	GP56-S-1.5		1350	S	1	X																					X
9	GP57-S-1.0		1400	S	1							X							X								X
10	GP57-S-2.0		1405	S	1																						

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		OSE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
⊗ Added 11/18/16. DB (STA)
○ EXTRACT ONLY. Added 11/18/16. DB.
● Added 12/1/16. DB (STA)

* FIELD FILTERED.

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☒ Equis

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: 0747.01.06
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: 11-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 As, Cd, Cr, Pb	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
11	GP58-S-1.5	11/17/16	1410	S	1								X						X			X
12	GP58-S-2.5		1412	S	1								●									●
13	GP59-S-2.0		1420	S	1								●									●
14	GP59-S-3.0		1422	S	1																	
15	GP60-S-2.3		1440	S	1								X						X			X
16	GP60-S-3.0		1445	S	1																	
17	GP61-S-1.5		1500	S	1								X						X			X
18	GP61-S-2.2		1505	S	1																	
19	GP62-S-1.0		1530	S	1								●									●
20	GP62-S-2.0	↓	1532	S	1																	

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		ORE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ _____

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
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Chain of Custody

Company: Maul Foster Alongi
Project Number: 0747.01.06-03
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: 11-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 Metals (As, Cd, Cr, Pb)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
21	GP63-S-1.0	11/17/16	1550	S	1								X						X			X
22	GP63-S-2.0	11/17/16	1555	S	1																	
23	GP64-S-1.2	11/18/16	800	S	1								X						X			X
24	GP64-S-2.0		805		1																	
25	GP65-S-1.0		810		1								X						X			X
26	GP65-S-2.0		815		1																	
27	GP66-S-2.0		815		1								X						X			X
28	GP66-S-2.5		820		1																	
29	GP67-S-2.0		825		1								X						X			X
30	GP67-S-3.5		830		1																	

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		OSE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒

Chain of Custody

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Analytical Laboratory Testing Services
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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: 11-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 (As,Cd,Cr,Pb)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
31	GP68-S-1.8	11/18/16	835	S	1								X						X			X
32	GP68-S-3.0		840	S	1																	
33	GP69-S-1.0		850	S	1								X						X			X
34	GP69-S-2.0		855	S	1								●									●
35	GP70-S-1.0		910	S	1								X						X			X
36	GP70-S-1.5		915	S	1								●									●
37	GP71-S-0.3		920	S	1																	
38	GP71-S-1.0		925	S	1																	
39	GP72-S-1.0		935	S	1								X						X			X
40	GP72-S-2.0		940	S	1																	

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		ORE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ _____

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

Laboratory Number: 11-202

Company: Maul Foster Alongi
Project Number: 0747.01.06-03
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	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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
41	GP73-S-0.5	11/18/16	1000	S	1																	
42	GP73-S-1.5	↓	1005	S	1																	

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		ORE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ _____

Sample/Cooler Receipt and Acceptance Checklist

Client: MFA

Client Project Name/Number: 0747.0406-03

OnSite Project Number: 11-202

Initiated by: MN

Date Initiated: 11/18/16

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: 0.1	
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).	#		N/A	1 2 3 4

Explain any discrepancies:

2.4) Sample 4) GP53-W-10.0 on COC
GP53-W-12.0 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

December 20, 2016

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

Re: Analytical Data for Project 0747.01.06-03
Laboratory Reference No. 1611-202B

Dear Heather:

Enclosed are the analytical results and associated quality control data for samples submitted on November 18, 2016.

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: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

Case Narrative

Samples were collected on November 17, 2016 and received by the laboratory on December 18, 2016. 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

Method 5035A VOA vials were not provided for samples GP53-S-1.0, GP55-S-1.5 and GP55-S-3.0. These samples were therefore extracted from 8-ounce jars for analysis. Some loss of volatiles may have occurred.

Samples GP53-S-1.0, GP55-S-1.5 and GP55-S-3.0 were extracted and analyzed outside of the holding time.

NWTPH Dx Analysis

Samples GP53-S-1.0, GP55-S-1.5 and GP55-S-3.0 were extracted and analyzed outside of the holding time.

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: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP53-S-1.0**					
Laboratory ID:	11-202-02					
Benzene	**ND**	0.020	EPA 8021B	12-8-16	12-8-16	
Toluene	**ND**	0.072	EPA 8021B	12-8-16	12-8-16	
Ethyl Benzene	**ND**	0.072	EPA 8021B	12-8-16	12-8-16	
m,p-Xylene	**ND**	0.072	EPA 8021B	12-8-16	12-8-16	
o-Xylene	**ND**	0.072	EPA 8021B	12-8-16	12-8-16	
Gasoline	**ND**	7.2	NWTPH-Gx	12-8-16	12-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*63-124*				
Client ID:	**GP55-S-1.5**					
Laboratory ID:	11-202-06					
Benzene	**ND**	0.020	EPA 8021B	12-8-16	12-8-16	
Toluene	**ND**	0.061	EPA 8021B	12-8-16	12-8-16	
Ethyl Benzene	**ND**	0.061	EPA 8021B	12-8-16	12-8-16	
m,p-Xylene	**ND**	0.061	EPA 8021B	12-8-16	12-8-16	
o-Xylene	**ND**	0.061	EPA 8021B	12-8-16	12-8-16	
Gasoline	**ND**	6.1	NWTPH-Gx	12-8-16	12-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*63-124*				
Client ID:	**GP55-S-3.0**					
Laboratory ID:	11-202-07					
Benzene	**ND**	0.020	EPA 8021B	12-8-16	12-8-16	
Toluene	**ND**	0.082	EPA 8021B	12-8-16	12-8-16	
Ethyl Benzene	**ND**	0.082	EPA 8021B	12-8-16	12-8-16	
m,p-Xylene	**ND**	0.082	EPA 8021B	12-8-16	12-8-16	
o-Xylene	**ND**	0.082	EPA 8021B	12-8-16	12-8-16	
Gasoline	**ND**	8.2	NWTPH-Gx	12-8-16	12-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*63-124*				

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1208S1					
Benzene	**ND**	0.020	EPA 8021B	12-8-16	12-8-16	
Toluene	**ND**	0.050	EPA 8021B	12-8-16	12-8-16	
Ethyl Benzene	**ND**	0.050	EPA 8021B	12-8-16	12-8-16	
m,p-Xylene	**ND**	0.050	EPA 8021B	12-8-16	12-8-16	
o-Xylene	**ND**	0.050	EPA 8021B	12-8-16	12-8-16	
Gasoline	**ND**	5.0	NWTPH-Gx	12-8-16	12-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*63-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-202-07										
	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						*92*	*95*	*63-124*			
SPIKE BLANKS											
Laboratory ID:	SB1208S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.893**	**0.937**	1.00	1.00		**89**	**94**	70-124	5	12	
Toluene	**0.879**	**0.918**	1.00	1.00		**88**	**92**	73-119	4	12	
Ethyl Benzene	**0.889**	**0.929**	1.00	1.00		**89**	**93**	74-117	4	12	
m,p-Xylene	**0.888**	**0.925**	1.00	1.00		**89**	**93**	75-117	4	13	
o-Xylene	**0.888**	**0.928**	1.00	1.00		**89**	**93**	75-116	4	12	
Surrogate:											
Fluorobenzene						*87*	*90*	*63-124*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD1208G-1	5.00	4.35	13	+/- 20%
CCVD1208G-2	5.00	4.42	12	+/- 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: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

BTEX EPA 8021B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Benzene	CCV1208B-1	50.0	43.0	14	+/- 15%
Toluene	CCV1208B-1	50.0	42.9	14	+/- 15%
Ethyl Benzene	CCV1208B-1	50.0	42.7	15	+/- 15%
m,p-Xylene	CCV1208B-1	50.0	43.6	13	+/- 15%
o-Xylene	CCV1208B-1	50.0	42.6	15	+/- 15%
Benzene	CCV1208B-2	50.0	44.9	10	+/- 15%
Toluene	CCV1208B-2	50.0	43.9	12	+/- 15%
Ethyl Benzene	CCV1208B-2	50.0	44.0	12	+/- 15%
m,p-Xylene	CCV1208B-2	50.0	43.7	13	+/- 15%
o-Xylene	CCV1208B-2	50.0	44.4	11	+/- 15%

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GP53-S-1.0**					
Laboratory ID:	11-202-02					
Diesel Range Organics	**140**	30	NWTPH-Dx	12-8-16	12-8-16	
Lube Oil	**300**	61	NWTPH-Dx	12-8-16	12-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				
Client ID:	**GP55-S-1.5**					
Laboratory ID:	11-202-06					
Diesel Range Organics	**ND**	280	NWTPH-Dx	12-8-16	12-8-16	
Lube Oil	**3100**	570	NWTPH-Dx	12-8-16	12-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*---*	*50-150*				S
Client ID:	**GP55-S-3.0**					
Laboratory ID:	11-202-07					
Diesel Range Organics	**ND**	33	NWTPH-Dx	12-8-16	12-8-16	
Lube Oil Range Organics	**ND**	65	NWTPH-Dx	12-8-16	12-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1208S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	12-8-16	12-8-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	12-8-16	12-8-16	
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:	11-227-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil	**83.7**	**70.9**	NA	NA		NA		NA	17	NA	
Surrogate:											
o-Terphenyl						*110*	*113*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1208S1										
Diesel Fuel #2	**109**		100		NA	**109**		58-132	NA	NA	
Surrogate:											
o-Terphenyl						*100*		*50-150*			

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Date of Report: December 7, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1208R-T1	100	103	-2.6	+/-15%
CCV1208R-T2	100	103	-3.3	+/-15%
CCV1208F-T1	100	104	-4.5	+/-15%
CCV1208F-T2	100	97.6	2.4	+/-15%
CCV1208F-T3	100	94.5	5.5	+/-15%
CCV1208F-V1	100	104	-3.6	+/-15%
CCV1208F-V2	100	106	-6.0	+/-15%
CCV1208F-V3	100	111	-10.9	+/-15%

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-202-13					
Client ID:	**GP59-S-2.0**					
Arsenic	**15**	13	6010C	12-9-16	12-12-16	
Cadmium	**1.2**	0.65	6010C	12-9-16	12-12-16	
Chromium	**30**	0.65	6010C	12-9-16	12-12-16	
Lead	**260**	6.5	6010C	12-9-16	12-12-16	
Lab ID:	11-202-19					
Client ID:	**GP62-S-1.0**					
Arsenic	**ND**	12	6010C	12-9-16	12-12-16	
Cadmium	**ND**	0.59	6010C	12-9-16	12-12-16	
Chromium	**32**	0.59	6010C	12-9-16	12-12-16	
Lead	**36**	5.9	6010C	12-9-16	12-12-16	

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 12-9-16
Date Analyzed: 12-12-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1209SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 12-9-16
Date Analyzed: 12-12-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-202-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**27.0**	**27.8**	3	0.50	
Lead	**30.0**	**28.3**	6	5.0	

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 12-9-16
Date Analyzed: 12-12-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-202-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**110**	110	**107**	107	3	
Cadmium	50.0	**50.8**	102	**50.2**	100	1	
Chromium	100	**124**	97	**131**	104	6	
Lead	250	**319**	116	**278**	99	14	

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 12-9-16
Date Analyzed: 12-12-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1209SM1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6010C	100	**105**	105
Cadmium	6010C	50.0	**50.9**	102
Chromium	6010C	100	**105**	105
Lead	6010C	250	**264**	106

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	ICV121216P	1.00	1.04	-4.0	+/- 10%
Cadmium	ICV121216P	1.00	1.05	-5.0	+/- 10%
Chromium	ICV121216P	1.00	1.05	-5.0	+/- 10%
Lead	ICV121216P	1.00	1.05	-5.0	+/- 10%
Arsenic	LLICV1120916P	0.100	0.129	-29	+/- 30%
Cadmium	LLICV1120916P	0.0100	0.0108	-8.0	+/- 30%
Chromium	LLICV1120916P	0.0100	0.00858	14	+/- 30%
Lead	LLICV1120916P	0.100	0.108	-8.0	+/- 30%
Arsenic	CCV1120916P	10.0	10.1	-1.0	+/- 10%
Cadmium	CCV1120916P	1.00	0.946	5.4	+/- 10%
Chromium	CCV1120916P	1.00	1.01	-1.0	+/- 10%
Lead	CCV1120916P	10.0	9.95	0.50	+/- 10%
Arsenic	CCV2120916P	10.0	10.2	-2.0	+/- 10%
Cadmium	CCV2120916P	1.00	0.952	4.8	+/- 10%
Chromium	CCV2120916P	1.00	1.02	-2.0	+/- 10%
Lead	CCV2120916P	10.0	10.1	-1.0	+/- 10%
Arsenic	LLCCV2120916P	0.100	0.129	-29	+/- 30%
Cadmium	LLCCV2120916P	0.0100	0.00966	3.4	+/- 30%
Chromium	LLCCV2120916P	0.0100	0.00867	13	+/- 30%
Lead	LLCCV2120916P	0.100	0.0963	3.7	+/- 30%

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-202-14					
Client ID:	**GP59-S-3.0**					
Arsenic	**ND**	14	6010C	12-14-16	12-15-16	
Cadmium	**ND**	0.72	6010C	12-14-16	12-15-16	
Chromium	**34**	0.72	6010C	12-14-16	12-15-16	
Lead	**32**	7.2	6010C	12-14-16	12-15-16	

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 12-14-16
Date Analyzed: 12-15-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1214SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 12-14-16
Date Analyzed: 12-15-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-100-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**39.5**	**38.8**	2	0.50	
Lead	**6.50**	**7.35**	12	5.0	

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

Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 12-14-16
Date Analyzed: 12-15-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-100-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**99.5**	99	**101**	101	1	
Cadmium	50.0	**47.6**	95	**47.7**	95	0	
Chromium	100	**131**	91	**126**	86	4	
Lead	250	**237**	92	**237**	92	0	

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 12-14-16
Date Analyzed: 12-15-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1214SM1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6010C	100	**99.7**	100
Cadmium	6010C	50.0	**48.6**	97
Chromium	6010C	100	**101**	101
Lead	6010C	250	**253**	101

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	ICV121516P	1.00	1.06	-6.0	+/- 10%
Cadmium	ICV121516P	1.00	1.07	-7.0	+/- 10%
Chromium	ICV121516P	1.00	1.06	-6.0	+/- 10%
Lead	ICV121516P	1.00	1.05	-5.0	+/- 10%
Arsenic	LLICV1121516P	0.100	0.124	-24	+/- 30%
Cadmium	LLICV1121516P	0.0100	0.0122	-22	+/- 30%
Chromium	LLICV1121516P	0.0100	0.0116	-16	+/- 30%
Lead	LLICV1121516P	0.100	0.0995	0.50	+/- 30%
Arsenic	CCV1121516P	10.0	10.2	-2.0	+/- 10%
Cadmium	CCV1121516P	1.00	0.939	6.1	+/- 10%
Chromium	CCV1121516P	1.00	1.01	-1.0	+/- 10%
Lead	CCV1121516P	10.0	10.2	-2.0	+/- 10%
Arsenic	CCV2121516P	10.0	10.1	-1.0	+/- 10%
Cadmium	CCV2121516P	1.00	0.928	7.2	+/- 10%
Chromium	CCV2121516P	1.00	1.00	0	+/- 10%
Lead	CCV2121516P	10.0	9.97	0.30	+/- 10%
Arsenic	LLCCV2121516P	0.100	0.0921	7.9	+/- 30%
Cadmium	LLCCV2121516P	0.0100	0.0107	-7.0	+/- 30%
Chromium	LLCCV2121516P	0.0100	0.0106	-6.0	+/- 30%
Lead	LLCCV2121516P	0.100	0.0838	16	+/- 30%

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Date of Report: December 20, 2016
Samples Submitted: November 18, 2016
Laboratory Reference: 1611-202B
Project: 0747.01.06-03

% MOISTURE

Date Analyzed: 12-8&14-16

Client ID	Lab ID	% Moisture
GP55-S-1.5	11-202-06	12
GP55-S-3.0	11-202-07	23
GP59-S-3.0	11-202-14	30

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

Page 1 of 5

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

Laboratory Number: 11-202

Company: Maul Foster Alongi
Project Number: 0747.01.06-03
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	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	~~Semivolatiles~~ 8270D/SIM PAHs-Full list	PAHs 8270D/SIM (low-level) (with low-level PAHs) *NAPHTHALENES ONLY	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total ~~MTCA~~ Metals As, Cd, Cr, Pb	TCLP Metals	HEM (oil and grease) 1664A		Dissolved Lead*	EDB 8011	n-Hexane	EDC, MTBE 8260	% Moisture
1	GP52-W-8.0	11/17/16	900	W	11				X				X														
2	GP53-S-1.0		1000	S	1		⊖		⊖			X							X								X
3	GP53-S-3.0		1005	S	1																						
4	GP53-W-~~10.0~~ 12.0		1030	W	11				X				X														
5	GP54-W-10.0		1210	W	12		X		X				X										X	X	X	X	
6	GP55-S-1.5		1340	S	1		⊖		⊖																		⊖
7	GP55-S-3.0		1345	S	1		⊖		⊖																		⊖
8	GP56-S-1.5		1350	S	1	X																					X
9	GP57-S-1.0		1400	S	1							X							X								X
10	GP57-S-2.0		1405	S	1																						

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		OSE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

⊗ Added 11/18/16. DB (STA)
○ EXTRACT ONLY. Added 11/18/16. DB.
● Added 12/1/16. DB (STA)
⊖ - Added 12/8/16. DB (STA)
① Added 12/14/16 ~~BCO~~ STA
* FIELD FILTERED.

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ Equis

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

Chain of Custody

Company: Maul Foster Alongi
Project Number: 0747.01.06
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: 11-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 As, Cd, Cr, Pb	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
11	GP58-S-1.5	11/17/16	1410	S	1								X						X			X
12	GP58-S-2.5		1412	S	1								●									●
13	GP59-S-2.0		1420	S	1								●						⊖			●
14	GP59-S-3.0		1422	S	1														⊖			●
15	GP60-S-2.3		1440	S	1								X						X			X
16	GP60-S-3.0		1445	S	1																	
17	GP61-S-1.5		1500	S	1								X						X			X
18	GP61-S-2.2		1505	S	1																	
19	GP62-S-1.0		1530	S	1								●						⊖			●
20	GP62-S-2.0		1532	S	1																	

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Carolyn Wise	MFA	11/18/16	1200	
Received		ORE	11/18/16	1730	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☒

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: 0747.01.06-03
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: 11-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 (As, Cd, Cr, Pb)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
21	GP63-S-1.0	11/17/16	1550	S	1								X						X			X
22	GP63-S-2.0	11/17/16	1555	S	1																	
23	GP64-S-1.2	11/18/16	800	S	1								X						X			X
24	GP64-S-2.0		805		1																	
25	GP65-S-1.0		810		1								X						X			X
26	GP65-S-2.0		815		1																	
27	GP66-S-2.0		815		1								X						X			X
28	GP66-S-2.5		820		1																	
29	GP67-S-2.0		825		1								X						X			X
30	GP67-S-3.5		830		1																	

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		OSE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
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Laboratory Number: 11-202

Company: Maul Foster Alongi
Project Number: 0747.01.06-03
Project Name: N. Cascade Ford
Project Manager: Heather Good
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Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
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☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 (As, Cd, Cr, Pb)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
31	GP68-S-1.8	11/18/16	835	S	1								X						X			X
32	GP68-S-3.0		840	S	1																	
33	GP69-S-1.0		850	S	1								X						X			X
34	GP69-S-2.0		855	S	1								●									●
35	GP70-S-1.0		910	S	1								X						X			X
36	GP70-S-1.5		915	S	1								●									●
37	GP71-S-0.3		920	S	1																	
38	GP71-S-1.0		925	S	1																	
39	GP72-S-1.0		935	S	1								X						X			X
40	GP72-S-2.0	↓	940	S	1																	

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		ORE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ _____

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

Laboratory Number: 11-202

Company: Maul Foster Alongi
Project Number: 0747.01.06-03
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	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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
41	GP73-S-0.5	11/18/16	1000	S	1																	
42	GP73-S-1.5	↓	1005	S	1																	

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/18/16	1200
Received		COE	11/18/16	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ _____

Sample/Cooler Receipt and Acceptance Checklist

Client: MFA

Client Project Name/Number: 0747.0406-03

OnSite Project Number: 11-202

Initiated by: MV

Date Initiated: 11/18/16

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: 0.1		
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).	#		N/A	1 2 3 4	

Explain any discrepancies:

2.4) Sample 4) GP53-W-10.0 on COC
GP53-W-12.0 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

December 9, 2016

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

Re: Analytical Data for Project 0747.01.06-03
Laboratory Reference No. 1611-255

Dear Heather :

Enclosed are the analytical results and associated quality control data for samples submitted on November 29, 2016.

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

Case Narrative

Samples were collected on November 28, 2016 and received by the laboratory on November 29, 2016. 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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Diesel Range Organics	**1.3**	0.26	NWTPH-Dx	12-5-16	12-6-16	
Lube Oil Range Organics	**ND**	0.61	NWTPH-Dx	12-5-16	12-6-16	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				
Client ID:	**MWDUP-GW-112816**					
Laboratory ID:	11-255-02					
Diesel Range Organics	**1.3**	0.26	NWTPH-Dx	12-5-16	12-6-16	
Lube Oil Range Organics	**ND**	0.59	NWTPH-Dx	12-5-16	12-6-16	U1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1205W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	12-5-16	12-6-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	12-5-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-257-01										
	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						*98*	*94*	*50-150*			
SPIKE BLANK											
Laboratory ID:	SB1205W1										
Diesel Fuel #2	**0.892**		1.00		NA	**89**		58-113	NA	NA	
Surrogate:											
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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV1206F-V1	100	103	-3.3	+/-15%
CCV1206F-V2	100	105	-5.1	+/-15%
CCV1206R-V1	100	95.3	4.7	+/-15%
CCV1206R-V2	100	100	0.1	+/-15%
CCV1206F-T1	100	105	-4.7	+/-15%
CCV1206F-T2	100	94.5	5.5	+/-15%

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED METHANE
RSK 175

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Methane	**490**	25	RSK 175	12-7-16	12-7-16	

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED METHANE
RSK 175
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1207W1					
Methane	**ND**	0.50	RSK 175	12-7-16	12-7-16	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-162-01										
	MS	MSD	MS	MSD		MS	MSD				
Methane	**4.35**	**4.54**	4.42	4.42	ND	**98**	**103**	75-125	4	25	
SPIKE BLANKS											
Laboratory ID:	SB1207W1										
	SB	SBD	SB	SBD		SB	SBD				
Methane	**4.61**	**3.81**	4.42	4.42	N/A	**104**	**86**	75-125	19	25	

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED METHANE
RSK 175
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Methane	CCV1207DG-1	50.0	48.8	2.4	+/- 15%
Methane	CCV1207DG-2	50.0	43.8	12	+/- 10%

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

SULFATE
ASTM D516-07

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Sulfate	**ND**	5.0	ASTM D516-07	12-5-16	12-5-16	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

SULFATE
ASTM D516-07
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1205W1					
Sulfate	**ND**	5.0	ASTM D516-07	12-5-16	12-5-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-253-01								
	ORIG	DUP							
Sulfate	**18.7**	**18.4**	NA	NA	NA	NA	2	10	
MATRIX SPIKE									
Laboratory ID:	11-253-01								
	MS		MS		MS				
Sulfate	**37.9**		20.0	18.7	96	77-129	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1205W1								
	SB		SB		SB				
Sulfate	**10.3**		10.0	NA	103	91-113	NA	NA	

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

SULFATE
ASTM D516-07
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Sulfate	ICV120516K	15.0	15.7	-4.7	+/- 10%
Sulfate	CCV1120516K	15.0	14.9	0.67	+/- 10%
Sulfate	CCV2120516K	15.0	15.2	-1.3	+/- 10%

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-255-01					
Client ID:	**MW01-GW-112816**					
Calcium	**40000**	1000	6010C	12-5-16	12-5-16	
Magnesium	**5500**	1000	6010C	12-5-16	12-5-16	
Manganese	**860**	10	6010C	12-5-16	12-5-16	

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 12-5-16
Date Analyzed: 12-5-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1205WH1

Analyte	Method	Result	PQL
Calcium	6010C	**ND**	1000
Magnesium	6010C	**ND**	1000
Manganese	6010C	**ND**	10

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 12-5-16
Date Analyzed: 12-5-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-253-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Calcium	**15200**	**15700**	3	1000	
Magnesium	**3920**	**3950**	1	1000	
Manganese	**394**	**398**	1	10	

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 12-5-16
Date Analyzed: 12-5-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-253-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Calcium	20000	**30700**	77	**31400**	81	2	
Magnesium	20000	**23700**	99	**23600**	98	1	
Manganese	500	**868**	95	**880**	97	1	

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
SPIKE BLANKS QUALITY CONTROL

Date Extracted: 12-5-16
Date Analyzed: 12-5-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1205WH1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Calcium	6010C	20000	**18600**	93
Magnesium	6010C	20000	**20300**	101
Manganese	6010C	500	**500**	100

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Calcium	ICV120516P	1.00	0.980	2.0	+/- 10%
Magnesium	ICV120516P	1.00	1.06	-6.0	+/- 10%
Manganese	ICV120516P	1.00	1.02	-2.0	+/- 10%
Calcium	LLICV1120516P	0.100	0.0772	23	+/- 30%
Magnesium	LLICV1120516P	0.100	0.0744	26	+/- 30%
Manganese	LLICV1120516P	0.0100	0.0106	-6.0	+/- 30%
Calcium	CCV1120516P	10.0	10.7	-7.0	+/- 10%
Magnesium	CCV1120516P	10.0	9.99	0.10	+/- 10%
Manganese	CCV1120516P	1.00	0.958	4.2	+/- 10%
Calcium	CCV2120516P	10.0	10.4	-4.0	+/- 10%
Magnesium	CCV2120516P	10.0	10.4	-4.0	+/- 10%
Manganese	CCV2120516P	1.00	0.993	0.70	+/- 10%
Calcium	LLCCV2120516P	0.100	0.0864	14	+/- 30%
Magnesium	LLCCV2120516P	0.100	0.0946	5.4	+/- 30%
Manganese	LLCCV2120516P	0.0100	0.0111	-11	+/- 30%
Calcium	CCV3120516P	10.0	9.84	1.6	+/- 10%
Magnesium	CCV3120516P	10.0	10.8	-8.0	+/- 10%
Manganese	CCV3120516P	1.00	1.04	-4.0	+/- 10%

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

Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL METALS
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Calcium	LLCCV3120516P	0.100	0.0970	3.0	+/- 30%
Magnesium	LLCCV3120516P	0.100	0.126	-26	+/- 30%
Manganese	LLCCV3120516P	0.0100	0.0113	-13	+/- 30%
Calcium	CCV4120516P	10.0	10.9	-9.0	+/- 10%
Magnesium	CCV4120516P	10.0	10.0	0	+/- 10%
Manganese	CCV4120516P	1.00	0.976	2.4	+/- 10%
Calcium	LLCCV4120516P	0.100	0.102	-2.0	+/- 30%
Magnesium	LLCCV4120516P	0.100	0.129	-29	+/- 30%
Manganese	LLCCV4120516P	0.0100	0.0103	-3.0	+/- 30%
Calcium	CCV5120516P	10.0	10.6	-6.0	+/- 10%
Magnesium	CCV5120516P	10.0	10.0	0	+/- 10%
Manganese	CCV5120516P	1.00	0.985	1.5	+/- 10%
Calcium	LLCCV5120516P	0.100	0.0971	2.9	+/- 30%
Magnesium	LLCCV5120516P	0.100	0.117	-17	+/- 30%
Manganese	LLCCV5120516P	0.0100	0.0111	-11	+/- 30%

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-255-01					
Client ID:	**MW01-GW-112816**					
Iron	**27000**	56	6010C		12-6-16	

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Analyzed: 12-6-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1206D1

Analyte	Method	Result	PQL
Iron	6010C	**ND**	56

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Analyzed: 12-6-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-253-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Iron	**443**	**434**	2	56	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
MS/MSD QUALITY CONTROL

Date Analyzed: 12-6-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-253-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Iron	22200	**23700**	105	**23800**	105	1	

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
SPIKE BLANKS QUALITY CONTROL

Date Analyzed: 12-6-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1206D1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Iron	6010C	22200	**22800**	103

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

DISSOLVED IRON
EPA 6010C
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Iron	1CV120516P	1.00	1.03	-3.0	+/- 10%
Iron	LLICV120516P	0.0500	0.0509	-1.8	+/- 30%
Iron	CCV1120516P	5.00	5.01	-0.20	+/- 10%
Iron	CCV2120516P	5.00	5.10	-2.0	+/- 10%
Iron	LLCCV220516P	0.0500	0.0518	-3.6	+/- 30%
Iron	CCV3120516P	5.00	5.21	-4.2	+/- 10%
Iron	LLCCV3120516P	0.0500	0.0512	-2.4	+/- 30%

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Date of Report: December 9, 2016
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Project: 0747.01.06-03

CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Chloride	**5.1**	2.0	SM 4500-Cl E	12-1-16	12-1-16	

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
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CHLORIDE
SM 4500-Cl E
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1201W1					
Chloride	**ND**	2.0	SM 4500-Cl E	12-1-16	12-1-16	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	11-255-01							
	ORIG DUP							
Chloride	**5.10** **5.31**	NA	NA	NA	NA	4	17	
MATRIX SPIKE								
Laboratory ID:	11-255-01							
	MS	MS		MS				
Chloride	**55.0**	50.0	5.10	100	82-126	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB1201W1							
	SB	SB		SB				
Chloride	**50.4**	50.0	NA	101	92-118	NA	NA	

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

Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

CHLORIDE
SM 4500-Cl E
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Chloride	ICV120116K	50.0	48.5	3.1	+/- 10%
Chloride	CCV1120116K	50.0	51.0	-2.0	+/- 10%
Chloride	CCV2120116K	50.0	51.1	-2.2	+/- 10%

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Nitrate	**ND**	0.050	EPA 353.2	11-30-16	11-30-16	

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Date of Report: December 9, 2016
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Laboratory Reference: 1611-255
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NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1130W1					
Nitrate	**ND**	0.050	EPA 353.2	11-30-16	11-30-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-253-01								
	ORIG	DUP							
Nitrate	**1.48**	**1.48**	NA	NA	NA	NA	0	9	
MATRIX SPIKE									
Laboratory ID:	11-253-01								
	MS		MS		MS				
Nitrate	**3.74**		2.00	1.48	113	93-126	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1130W1								
	SB		SB		SB				
Nitrate	**2.20**		2.00	NA	110	96-122	NA	NA	

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NITRATE (as Nitrogen)
EPA 353.2
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Nitrate	ICV113016K	2.50	2.40	4.1	+/- 10%
Nitrate	CCV1113016K	2.50	2.47	1.2	+/- 10%
Nitrate	CCV2113016K	2.50	2.42	3.3	+/- 10%
Nitrate	CCV3113016K	2.50	2.42	3.2	+/- 10%
Nitrate	CCV4113016K	2.50	2.47	1.2	+/- 10%
Nitrate	CCV5113016K	2.50	2.39	4.4	+/- 10%

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Date of Report: December 9, 2016
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NITRITE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Nitrite	**ND**	0.020	EPA 353.2	11-30-16	11-30-16	

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
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NITRITE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1130W1					
Nitrite	**ND**	0.020	EPA 353.2	11-30-16	11-30-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-253-01								
	ORIG	DUP							
Nitrite	**ND**	**ND**	NA	NA	NA	NA	NA	11	
MATRIX SPIKE									
Laboratory ID:	11-253-01								
	MS		MS		MS				
Nitrite	**0.253**		0.250	ND	101	75-122	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1130W1								
	SB		SB		SB				
Nitrite	**0.266**		0.250	NA	106	83-116	NA	NA	

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

Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

NITRITE (as Nitrogen)
EPA 353.2
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Nitrite	ICV113016N	0.500	0.514	-2.7	+/- 10%
Nitrite	CCV1113016N	0.500	0.492	1.6	+/- 10%
Nitrite	CCV2113016N	0.500	0.496	0.74	+/- 10%

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Date of Report: December 9, 2016
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Laboratory Reference: 1611-255
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TOTAL PHOSPHORUS
EPA 365.1

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Total Phosphorus	**0.091**	0.010	EPA 365.1	12-2-16	12-2-16	

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL PHOSPHORUS
EPA 365.1
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1202W1					
Total Phosphorus	**ND**	0.010	EPA 365.1	12-2-16	12-2-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-255-01								
	ORIG	DUP							
Total Phosphorus	**0.0911**	**0.0947**	NA	NA	NA	NA	4	11	
MATRIX SPIKE									
Laboratory ID:	11-255-01								
	MS		MS		MS				
Total Phosphorus	**0.359**		0.250	0.0911	107	86-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1202W1								
	SB		SB		SB				
Total Phosphorus	**0.268**		0.250	NA	107	86-111	NA	NA	

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

Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
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TOTAL PHOSPHORUS
EPA 365.1
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Total Phosphorus	ICV1202116K	0.500	0.522	-4.3	+/- 10%
Total Phosphorus	CCV1120216K	0.500	0.497	0.60	+/- 10%
Total Phosphorus	CCV2120216K	0.500	0.497	0.64	+/- 10%
Total Phosphorus	CCV3120216K	0.500	0.505	-1.0	+/- 10%

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
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TOTAL ORTHOPHOSPHATE
EPA 365.1

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Total Orthophosphate	**0.081**	0.010	EPA 365.1	11-30-16	11-30-16	

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: December 9, 2016
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TOTAL ORTHOPHOSPHATE
EPA 365.1
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1130W1					
Total Orthophosphate	**ND**	0.010	EPA 365.1	11-30-16	11-30-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-255-01								
	ORIG	DUP							
Total Orthophosphate	**0.0807**	**0.0814**	NA	NA	NA	NA	1	22	
MATRIX SPIKE									
Laboratory ID:	11-255-01								
	MS		MS		MS				
Total Orthophosphate	**0.312**		0.250	0.0807	93	56-133	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1130W1								
	SB		SB		SB				
Total Orthophosphate	**0.219**		0.250	NA	88	80-111	NA	NA	

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Date of Report: December 9, 2016
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TOTAL ORTHOPHOSPHATE
EPA 365.1
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Total Orthophosphate	ICV113016K	0.500	0.512	-2.4	+/- 10%
Total Orthophosphate	CCV1113016K	0.500	0.506	-1.1	+/- 10%
Total Orthophosphate	CCV2113016K	0.500	0.507	-1.4	+/- 10%

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Date of Report: December 9, 2016
Samples Submitted: November 29, 2016
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Project: 0747.01.06-03

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW01-GW-112816**					
Laboratory ID:	11-255-01					
Total Organic Carbon	**12**	1.0	SM 5310B	12-6-16	12-6-16	

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1206W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	12-6-16	12-6-16	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	11-253-01								
	ORIG	DUP							
Total Organic Carbon	**2.06**	**2.39**	NA	NA	NA	NA	15	15	
MATRIX SPIKE									
Laboratory ID:	11-253-01								
	MS		MS		MS				
Total Organic Carbon	**12.0**		10.0	2.06	99	77-126	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1206W1								
	SB		SB		SB				
Total Organic Carbon	**10.1**		10.0	NA	101	96-117	NA	NA	

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: December 9, 2016
Samples Submitted: November 29, 2016
Laboratory Reference: 1611-255
Project: 0747.01.06-03

TOTAL ORGANIC CARBON
SM 5310B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Total Organic Carbon	CCV1120616N	5.00	5.30	-6.1	+/- 15%
Total Organic Carbon	CCV1120616N	50.0	51.7	-3.3	+/- 15%
Total Organic Carbon	CCV2120616N	5.00	5.05	-1.0	+/- 15%
Total Organic Carbon	CCV2120616N	50.0	50.4	-0.80	+/- 15%
Total Organic Carbon	CCV3120616N	5.00	5.07	-1.4	+/- 15%
Total Organic Carbon	CCV3120616N	50.0	50.2	-0.40	+/- 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

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

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: 0747.01.06-03
Project Name: N. Cascade Ford
Project Manager: Heather Goodf
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: 11-255

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~~ METHANE ~~25E 175~~	~~Total RCRA Metals~~ SULFATE	~~Total MTCA Metals~~ TOTAL Mn Mg Ca *	~~TCLP Metals~~ DISSOLVED IRON *	~~HEM (oil and grease) 1664A~~ Chloride	Nitrate	Nitrite	Total phosphorus	Orthophosphate	% Moisture TOC
1	MW01-GW-112816	11/28/16	1100	W	9				X									X	X	X	X	X	X	X	X	X	X
	~~DUP01~~	–	–	–	–																						
2	MWDUP-GW-112816	11/28/16	1100	W	2				X																		
3	DRUM-1	11/28/16	1150	S	1																						

	Signature	Company	Date	Time
Relinquished	Carolyn Wise	MFA	11/28/16	1230
Received		OSE	11/29/16	1630
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*FIELD FILTERED

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: 0747.01.06-03

OnSite Project Number: 11-255

Initiated by: MM

Date Initiated: 11/29/16

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: 4	
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:

2.6) Sample 1) MW01-GW-112816 10 containers submitted
Sample TRIP BLANK not on COC (6) NOT NEEDED. DB

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

ATTACHMENT E

DATA VALIDATION MEMORANDUM



DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 0747.01.06 | JANUARY 24, 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 on November 14, 15, 16, 17, 18, and 28, 2016.

Onsite Environmental, Inc. (OE) performed the analyses. OE report numbers 1611-158, 1611-165, 1611-182, 1611-202, 1611-202B, and 1611-255 were reviewed. Results reported in 1611-202B are for analyses added to samples originally submitted for 1611-202. The analyses performed and samples analyzed are listed below. Samples submitted on hold are indicated with "(hold)" in the table below.

Analysis	Reference
Benzene, Ethylbenzene, Toluene, and Xylenes	USEPA 8021B
Chloride	SM 4500Cl-E
Diesel- and Lube-Oil-Range Organics	NWTPH-Dx
Dissolved Methane	RSK 175
Ethylene Dibromide	USEPA 8011
Gasoline Range Organics	NWTPH-Gx
Gasoline and n-Hexane	NWTPH-Gx/USEPA 8015 Modified
HCID	NWTPH-HCID
n-Hexane	USEPA 8015 Modified
Naphthalenes	USEPA 8270D SIM
Nitrate as Nitrogen/Nitrite as Nitrogen	USEPA 353.2
Orthophosphate/Total Orthophosphate	USEPA 365.1
Polychlorinated Biphenyls as Aroclors	USEPA 8082A
Polycyclic Aromatic Hydrocarbons	USEPA 8270D SIM
Sulfate	ASTM D516-07
Total and Dissolved Metals	USEPA 6010C/USEPA 200.8
Total Phosphorus	USEPA 365.1
Total Organic Carbon	SM 5310B
Volatile Organic Compounds	USEPA 8260C

ASTM = American Society for Testing and Materials.
HCID = Total Petroleum Hydrocarbon Identification.
NWTPH = Northwest Total Petroleum Hydrocarbons.
RSK = USEPA National Risk Management Research Laboratory.
SIM = selective ion monitoring.
SM = Standard Methods for the Examination of Water and Wastewater.
USEPA = U.S. Environmental Protection Agency.

Samples Analyzed

Report 1611-158	Report 1611-165	Report 1611-182	Report 1611-202	
GP33-S-6.0	GP38-S-4.5	GP44-S-3.5	GP52-W-8.0	GP65-S-1.0
GP33-S-7.0	GP38-S-5.5	GP44-S-6.0	GP53-S-1.0	GP65-S-2.0 (hold)
GP33-S-8.0	GP38-S-8.0	GP44-S-10.5	GP53-S-3.0 (hold)	GP66-S-2.0
GP34-S-2.5	GP38-W-11.0	GP44-W-9.0	GP53-W-12.0	GP66-S-2.5 (hold)
GP34-S-6.4	GP39-S-3.5	GP45-W-13.0	GP54-W-10.0	GP67-S-2.0
GP34-S-7.5	GP39-S-6.0	GP46-W-10.0	GP55-S-1.5 (hold)	GP67-S-3.5 (hold)
GP34-W-9.0	GP39-S-8.0	GP47-W-8.0	GP55-S-3.0 (hold)	GP68-S-1.8
GP35-W-5.5	GP39-W-7.0	GP48-W-10.0	GP56-S-1.5	GP68-S-3.0 (hold)
GP35-S-6.5	GP40-S-3.5	GP49-W-9.0	GP57-S-1.0	GP69-S-1.0
GP35-S-12.0	GP40-S-6.0	GP50-S-1.5	GP57-S-2.0 (hold)	GP69-S-2.0
GP36-S-5.0	GP40-S-10.0	GP50-S-6.5	GP58-S-1.5	GP70-S-1.0
GP36-S-7.0	GP40-W-7.0	GP50-S-13.5	GP58-S-2.5	GP70-S-1.5
GP36-S-9.0	GP41-S-2.5	GP50-W-11.0	GP59-S-2.0	GP71-S-0.3 (hold)
GP36-W-11.0	GP41-S-6.5	GP51-S-1.5	GP59-S-3.0 (hold)	GP71-S-1.0 (hold)
GP37-S-6.0	GP41-S-8.5	GP51-S-3.0	GP60-S-2.3	GP72-S-1.0
GP37-S-8.5	GP41-W-11.5	GP51-S-7.5	GP60-S-3.0 (hold)	GP72-S-2.0 (hold)
GP37-S-11.0	GP42-S-1.5	GP51-S-14.5	GP61-S-1.5	GP73-S-0.5 (hold)
GP37-W-10.0	GP42-S-6.0	GP51-W-11.0	GP61-S-2.2 (hold)	GP73-S-1.5 (hold)
-	GP42-S-12.5	-	GP62-S-1.0	-
-	GP42-W-10.0	-	GP62-S-2.0 (hold)	-
-	GP43-S-1.5	-	GP63-S-1.0	-
-	GP43-S-7.0	-	GP63-S-2.0 (hold)	-
-	GP43-S-13.5	-	GP64-S-1.2	-
-	GP43-W-9.0	-	GP64-S-2.0 (hold)	-
Report 1611-202B	**Report 1611-255**			
GP53-S-1.0	MW01-GW-112816	-	-	-
GP55-S-1.5	MWDUP-GW-112816	-	-	-
GP55-S-3.0	DRUM-1 (hold)	-	-	-
GP59-S-2.0	-	-	-	-
GP59-S-3.0	-	-	-	-
GP62-S-2.0	-	-	-	-

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2016a,b) and appropriate laboratory and method-specific guidelines (OE, 2015; USEPA, 1986).

Data validation procedures were modified, as appropriate, to accommodate quality-control requirements for methods not specifically addressed by the USEPA procedures (i.e., NWTPH-Dx and NWTPH-Gx analyses).

In report 1611-158, OE flagged the NWTPH-HCID diesel fuel #1 results because of impact from the gasoline range. The results are qualitative; thus, qualification was not required.

In reports 1611-158 and 1611-182, NWTPH-Dx diesel-range organics and diesel fuel #2 results for samples GP37-S-6.0, GP51-S-3.0, and GP51-S-7.5 were flagged by OE because of impacts from gasoline-range and/or lube-oil-range compounds. The diesel-range organics result has been qualified by the reviewer with "J" as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1611-158	GP37-S-6.0	Diesel Range Organics	7700	7700 J
1611-182	GP51-S-3.0	Diesel Fuel #2	4300	4300 J
1611-182	GP51-S-7.5	Diesel Fuel #2	950	950 J

J = Result is an estimated value.
mg/kg = milligrams per kilogram.

In report 1611-158, the USEPA Method 8260C naphthalene result for the undiluted aliquot of sample GP37-W-10.0 was flagged by OE because of association with continuing calibration verification (CCV) standard percent drift exceedance. The laboratory confirmed that the overall performance of the CCV met method acceptance criteria. The result has been qualified by the reviewer with "J" as estimated.

Report	Sample	Component	Original Result (ug/L)	Qualified Result (ug/L)
1611-158	GP37-W-10.0	Naphthalene	2.3	2.3 J

J = Result is an estimated value.
ug/L = micrograms per liter.

In report 1611-158, OE flagged the USEPA Method 8260C chlorobenzene result for the undiluted aliquot of sample GP37-W-10.0 because of exceedance of the upper instrument calibration range. The sample was reanalyzed at a dilution; the diluted chlorobenzene result and remaining results from the undiluted fraction will be the result of record. The chlorobenzene result is listed in the table below.

Report	Sample	Component	Laboratory-Reported Result (ug/L)	Result of Record (ug/L)
1611-158	GP37-W-10.0	Chlorobenzene	60 E	53

E = result flagged by OE because of instrument calibration exceedance.
ug/L = micrograms per liter.

In reports 1611-165 and 1611-182, the NWTPH-Gx gasoline results for samples GP43-S-7.0, GP44-S-3.5, GP44-S-10.5, GP51-S-3.0, and GP51-S-7.5 were flagged by OE because of impact from heavier fuel compounds. The results have been qualified by the reviewer with "J" as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1611-165	GP43-S-7.0	Gasoline	700	700 J
1611-165	GP44-S-3.5	Gasoline	1300	1300 J
1611-165	GP44-S-10.5	Gasoline	100	100 J
1611-165	GP51-S-3.0	Gasoline	5300	5300 J
1611-165	GP51-S-7.5	Gasoline	1000	1000 J

J = Result is an estimated value.
mg/kg = milligrams per kilogram.

The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

In report 1611-158, the NWTPH-Gx analysis for sample GP37-S-6.0 was performed four days after the 14-day recommended holding time. Samples GP36-S-5.0, GP36-S-7.0, GP36-S-9.0, and GP36-W-11.0 were analyzed one day after the 14-day recommended holding time, which is considered a minor holding time exceedance. The results have been qualified by the reviewer with "J" as estimated for detected results and "UJ" as estimated for non-detect results.

Report	Sample	Component	Units	Original Result	Qualified Result
1611-158	GP37-S-6.0	Gasoline	mg/kg	3000	3000 J
1611-158	GP36-S-5.0	Gasoline	mg/kg	7.2 U	7.2 UJ
1611-158	GP36-S-7.0	Gasoline	mg/kg	9.4 U	9.4 UJ
1611-158	GP36-S-9.0	Gasoline	mg/kg	8.6 U	8.6 UJ
1611-158	GP36-W-11.0	Gasoline	ug/L	100 U	100 UJ

J = Result is an estimated value.
mg/kg = milligrams per kilogram.
U = Result is non-detect.
ug/L = micrograms per liter.
UJ = Result is non-detect and an estimated value.

In report 1611-165, the laboratory stated in the case narrative that NWTPH-Gx analysis for samples GP38-S-5.5, GP38-S-8.0, GP40-S-3.5, GP40-S-6.0, GP40-S-10.0, GP41-S-6.5, GP41-S-8.5, GP42-S-1.5, GP42-S-6.0, and GP42-S-12.5 was performed one day after the 14-day recommended holding time. The analysis date reported in 1611-165 was determined to be incorrectly reported as 11/29/2016 instead of 11/30/2016 for samples GP40-S-6.0, GP40-S-10.0, GP41-S-6.5, GP41-S-8.5, GP42-S-1.5, GP42-S-6.0, and GP42-S-12.5. The reviewer confirmed that samples GP38-S-5.5, GP38-S-8.0, and GP40-S-3.5 had been analyzed on 11/29/2016, which is within the 14-day holding time. The holding time exceedance for the remaining samples is considered minor. The results have been qualified

by the reviewer with "J" as estimated for detected results and "UJ" as estimated for non-detect results.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1611-165	GP40-S-6.0	Gasoline	8.7 U	8.7 UJ
1611-165	GP40-S-10.0	Gasoline	9.8 U	9.8 UJ
1611-165	GP41-S-6.5	Gasoline	7.5 U	7.5 UJ
1611-165	GP41-S-8.5	Gasoline	8.8 U	8.8 UJ
1611-165	GP42-S-1.5	Gasoline	10 U	10 UJ
1611-165	GP42-S-6.0	Gasoline	8.4 U	8.4 UJ
1611-165	GP42-S-12.5	Gasoline	9.2 U	9.2 UJ

mg/kg = milligrams per kilogram.
U = Result is non-detect.
UJ = Result is non-detect and an estimated value.

In reports 1611-182 and 1611-202B, OE indicated in the case narrative that samples GP51-S-3.0, GP51-S-7.5, GP51-W-11.0, GP53-S-1.0, GP55-S-1.5, and GP55-S-3.0 had not been provided to the laboratory in volatile organic analysis (VOA) containers or USEPA Method 5035A VOA containers for NWTPH-Gx and USEPA Method 8021B analyses. Samples were not analyzed within 48 hours of collection; thus, all results were qualified by the reviewer as estimated, with "J" for detected results and "UJ" for non-detect results.

Report	Sample	Component	Units	Original Result	Qualified Result
1611-182	GP51-S-3.0	Benzene	mg/kg	7.7	7.7 J
1611-182	GP51-S-3.0	Toluene	mg/kg	1.5 U	1.5 UJ
1611-182	GP51-S-3.0	Ethylbenzene	mg/kg	99	99 J
1611-182	GP51-S-3.0	m,p-Xylene	mg/kg	360	360 J
1611-182	GP51-S-3.0	o-Xylene	mg/kg	97	97 J
1611-182	GP51-S-3.0	Gasoline	mg/kg	5300	5300 J
1611-182	GP51-S-7.5	Benzene	mg/kg	0.16	0.16 J
1611-182	GP51-S-7.5	Toluene	mg/kg	0.063 U	0.063 UJ
1611-182	GP51-S-7.5	Ethylbenzene	mg/kg	8.7	8.7 J
1611-182	GP51-S-7.5	m,p-Xylene	mg/kg	6.4	6.4 J
1611-182	GP51-S-7.5	o-Xylene	mg/kg	0.61	0.61 J
1611-182	GP51-S-7.5	Gasoline	mg/kg	1000	1000 J
1611-182	GP51-W-11.0	Benzene	ug/L	15	15 J
1611-182	GP51-W-11.0	Toluene	ug/L	6.1	6.1 J
1611-182	GP51-W-11.0	Ethylbenzene	ug/L	480	480 J
1611-182	GP51-W-11.0	m,p-Xylene	ug/L	920	920 J
1611-182	GP51-W-11.0	o-Xylene	ug/L	80	80 J
1611-182	GP51-W-11.0	Gasoline	ug/L	7400	7400 J
1611-202B	GP53-S-1.0	Benzene	mg/kg	0.020 U	0.020 UJ
1611-202B	GP53-S-1.0	Toluene	mg/kg	0.072 U	0.072 UJ
1611-202B	GP53-S-1.0	Ethylbenzene	mg/kg	0.072 U	0.072 UJ

Report	Sample	Component	Units	Original Result	Qualified Result
1611-202B	GP53-S-1.0	m,p-Xylene	mg/kg	0.072 U	0.072 UJ
1611-202B	GP53-S-1.0	o-Xylene	mg/kg	0.072 U	0.072 UJ
1611-202B	GP53-S-1.0	Gasoline	mg/kg	7.2 U	7.2 UJ
1611-202B	GP55-S-1.5	Benzene	mg/kg	0.020 U	0.020 UJ
1611-202B	GP55-S-1.5	Toluene	mg/kg	0.061 U	0.061 UJ
1611-202B	GP55-S-1.5	Ethylbenzene	mg/kg	0.061 U	0.061 UJ
1611-202B	GP55-S-1.5	m,p-Xylene	mg/kg	0.061 U	0.061 UJ
1611-202B	GP55-S-1.5	o-Xylene	mg/kg	0.061 U	0.061 UJ
1611-202B	GP55-S-1.5	Gasoline	mg/kg	6.1 U	6.1 UJ
1611-202B	GP55-S-3.0	Benzene	mg/kg	0.020 U	0.020 UJ
1611-202B	GP55-S-3.0	Toluene	mg/kg	0.082 U	0.082 UJ
1611-202B	GP55-S-3.0	Ethylbenzene	mg/kg	0.082 U	0.082 UJ
1611-202B	GP55-S-3.0	m,p-Xylene	mg/kg	0.082 U	0.082 UJ
1611-202B	GP55-S-3.0	o-Xylene	mg/kg	0.082 U	0.082 UJ
1611-202B	GP55-S-3.0	Gasoline	mg/kg	8.2 U	8.2 UJ

J = Result is an estimated value.
mg/kg = milligrams per kilogram.
U = Result is non-detect.
ug/L = micrograms per liter.
UJ = Result is non-detect and an estimated value.

In report 1611-202B, samples GP53-S-1.0, GP55-S-1.5, and GP55-S-3.0 were analyzed by USEPA Method 8021B, NWTPH-Gx, and NWTPH-Dx seven days after the recommended 14-day holding time. The USEPA Method 8021B and NWTPH-Gx results were qualified by the reviewer as estimated because the samples had been stored in 8-ounce jars instead of VOA containers; additional qualification was not required. In the table below, the NWTPH-Dx results were qualified by the reviewer as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1611-202B	GP53-S-1.0	Diesel-Range Organics	140	140 J
1611-202B	GP53-S-1.0	Lube Oil	300	300 J
1611-202B	GP55-S-1.5	Diesel-Range Organics	280 U	280 UJ
1611-202B	GP55-S-1.5	Lube Oil	3100	3100 J
1611-202B	GP55-S-3.0	Diesel-Range Organics	33 U	33 UJ
1611-202B	GP55-S-3.0	Lube-Oil-Range Organics	65 U	65 UJ

J = Result is an estimated value.
mg/kg = milligrams per kilogram.
U = Result is non-detect.
UJ = Result is non-detect and an estimated value.

The remaining extractions and analyses were performed within the recommended holding time criteria.

Preservation and Sample Storage

In report 1611-165, OE noted in the sample/cooler receipt and acceptance checklist that the GP41-W-11.5 sample container submitted for NWTPH-Dx analysis was one-half filled. The reviewer determined that NWTPH-Dx data quality was not significantly impacted; thus, no results were qualified. Remaining 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 method blank results were non-detect at method reporting limits (MRLs).

Trip Blanks

Trip blanks were not submitted for this sampling event.

Equipment Rinsate Blanks

Equipment rinsate blanks were not submitted for this sampling event.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples. Surrogate results associated with diluted samples were not evaluated for percent recovery.

In report 1611-165, the USEPA Method 8270D SIM surrogate terphenyl-d14 exceeded the upper percent recovery acceptance limit of 118 percent, at 148 percent for sample GP43-S-7.0. The remaining surrogates had acceptable percent recovery; thus, no results were qualified.

All remaining surrogate results were within percent recovery 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.

In report 1611-202, the USEPA Method 8270D SIM soil batch MS/MSD analyzed on December 1, 2016, exceeded the anthracene upper percent recovery acceptance limit of 140 percent, at 143 percent each. Anthracene results were not reported in the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD). Results are qualified in the LCS/LCSD section below.

All remaining MS/MSD results 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. RPDs were not evaluated when results were near reporting limits. All laboratory duplicate RPDs were within acceptance limits.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

A LCS/LCSD is spiked with target analytes to provide information on laboratory precision and accuracy. The LCS/LCSD samples were extracted and analyzed at the required frequency.

In reports 1611-165 and 1611-182, the USEPA Method 8270D SIM soil batch LCSD prepared on November 29, 2016, exceeded the anthracene upper percent recovery acceptance limit of 152 percent, at 155 percent. The LCS had acceptable percent recovery and the associated sample was non-detect at the reporting limit; thus, no results were qualified.

In report 1611-202, anthracene results were not reported for the USEPA Method 8270D SIM soil batch LCS/LCSD prepared on December 1, 2016. Anthracene results were reported for all associated samples, the MS/MSD, and the method blank; however, the MS/MSD exceeded the upper percent recovery acceptance limit for anthracene. The laboratory confirmed that LCS/LCSD anthracene results had not been reported because of percent recovery exceedances originating from the stock standard, and that both the CCV and the second source standard results were acceptable for anthracene. Because of holding time requirements, the samples were not reanalyzed. In the table below, all associated anthracene results have been qualified by the reviewer as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1611-202	GP58-S-1.5	Anthracene	0.80	0.80 J
1611-202	GP69-S-1.0	Anthracene	0.13	0.13 J
1611-202	GP70-S-1.0	Anthracene	0.066	0.066 J
1611-202	GP58-S-2.5	Anthracene	0.0086 U	0.0086 UJ
1611-202	GP59-S-2.0	Anthracene	0.072	0.072 J
1611-202	GP62-S-1.0	Anthracene	0.040	0.040 J
1611-202	GP69-S-2.0	Anthracene	0.0086 U	0.0086 UJ
1611-202	GP70-S-1.5	Anthracene	0.0087 U	0.0087 UJ

J = Result is an estimated value.
mg/kg = milligrams per kilogram.
U = Result is non-detect.
UJ = Result is non-detect and an estimated value.

All remaining LCS/LCSD results were within acceptance limits for percent recovery and RPD.

FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision.

According to report 1611-255, one field duplicate was submitted for analysis (MW01-GW-112816/MWDUP-GW-112816). 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 throughout the sample batch. CCV results were reported for NWTPH-HCID, NWTPH-Dx, NWTPH-Gx, USEPA Method 8082A, and USEPA Method 6010C analyses; CCV results were within control limits.

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. Some reporting limits were raised because of matrix interference.

DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies.

In report 1611-158, OE noted on the sample/cooler receipt and acceptance checklist that the name for sample GP36-S-5.0 was recorded as GP36-S- on the container label, and that the name for sample GP36-S-7.0 was recorded as GP36-S- on the container label. The laboratory identified the correct sample containers by using collection time. No additional action was required.

In reports 1611-158, 1611-165, and 1611-182, some analyses were added by the project manager after samples were received by the laboratory. The additional analyses requested were recorded on the chains of custody by the laboratory. In report 1611-165, some groundwater samples were extracted for USEPA Method 8270D SIM but held for analysis at the request of the project manager.

In report 1611-165, OE noted on the sample/cooler receipt and acceptance checklist that the name for sample GP41-S-6.5 was recorded as GP41-S-6.0 on the container label, and that the name for sample GP41-S-8.5 was recorded as GP41-S- on the container label. The laboratory identified the correct sample containers by using collection time, and sample names were confirmed by the project manager. No additional action was required.

In report 1611-202, OE noted on the sample/cooler receipt and acceptance checklist that the name for sample GP53-W-12.0 was recorded as GP53-W-10.0 on the chain of custody and as GP53-W-12.0 on the container label. The laboratory confirmed the correct sample name with the project manager and noted "GP53-W-12.0" on the chain of custody included in the final report. No additional action was required.

No additional issues were found.

REFERENCES

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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).

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