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SMARTER ENVIRONMENTAL SOLUTIONS

Via SharePoint

October 31, 2024

WADE
Toxics Cleanup Program
Department of Ecology
PO Box 47000
Lacey, Washington 98504-7600

Attn: Mr. Frank Winslow, LHG

Re: Additional Remedial Investigation Report
NWMS Puyallup
400 River Road
Puyallup, Washington
WADE Cleanup ID 17046
H&H Job No. SAI-413

Dear Mr. Winslow

Hart & Hickman, PC (H&H) on behalf of Sonic Automotive Inc. (Sonic), parent company of Northwest Motorsports (NWMS) is submitting the attached Additional Remedial Investigation Report for the Northwest Motorsports facility located at 400 River Road in Puyallup, Washington.

Please contact us if you have any questions or require additional information.

Sincerely,
Hart & Hickman, PC

Nathan O'Leary, PG, CHMM
Project Manager

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ADDITIONAL REMEDIAL INVESTIGATION REPORT

H&H JOB NO. SAI-413
OCTOBER 30, 2024

NORTHWEST MOTORSPORTS PUYALLUP

400 River Road
Puyallup, Washington

State of Washington
23023839
Licensed Geologist
Nathan J OLeary
10/30/2024

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Northwest Motorsports Puyallup
400 River Road
Puyallup, Washington
H&H Job No. SAI.413

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Additional Remedial Investigation Report
Northwest Motorsports Puyallup
400 River Road
Puyallup, Washington
H&H Job No. SAI.413

1.0 Introduction

Hart & Hickman, PC (H&H) has prepared this Additional Remedial Investigation Report on behalf of EP Realty WA LLC, a subsidiary of Sonic Automotive, Inc. (Sonic), for the former Northwest Motorsports Puyallup facility located at 400 River Road in Puyallup, Pierce County, Washington (Site or subject Site). A Site location map is provided as Figure 1 and a Site map is provided as Figure 2.

The purpose of the Remedial Investigation (RI) was to collect additional data to further evaluate the nature and extent of impacts identified at the Site during previous assessment activities. To address environmental concerns associated with the Site, Sonic entered the Site into the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) in February 2024 (VCP No. XS0017). The RI activities documented herein, were conducted in general accordance with Washington State Model Toxics Control Act (MTCA) Cleanup Regulation as established in Chapter 173-340 of the Washington Administrative Code (WAC).

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2.0 General Site Information

The Site is comprised of three parcels of land totaling approximately 3.9-acres (Pierce County Parcel IDs 0420214807, 0420214014, and 0420281170) located southwest of the intersection of River Road and 4th Street NW. The Site is improved with four commercial buildings that are currently vacant, but were previously occupied by Northwest Motorsports (NWMS) for automotive and motorsport vehicle sales and service operations. The main Site building consists of an approximately 17,000-square foot (sq ft) single-story automotive dealership building that includes showrooms, offices, parts storage, two service garages (identified as North and South Shops), and a basement. An approximately 3,800-sq ft office building with basement-level service department and wash bays is located on the southern portion of the Site, an approximately 3,700-sq ft service department and tire shop is located on the southwestern portion of the Site, and an approximately 600-sq ft buying center with a basement is located to the west of the north service bay. Additional improvements include asphalt-paved parking, covered wash bays, and perimeter fencing. The Site is covered by buildings or asphalt-pavement with little to no pervious surfaces present.

The subject Site is located in a commercial corridor along River Road, approximately one mile north of downtown Puyallup. The Site and surrounding properties to the west, south, and east are zoned General Commercial (CG). Surrounding properties to the north (beyond River Road) are zoned River Road Mixed Use (RMX). The anticipated future land use of the Site is expected to remain commercial, and no significant changes in zoning are expected to occur.

2.1 Current and Historical Site Use

Historical topographic maps from the early 1940s indicate that a portion of the Site was developed with a small commercial structure or residence with remaining portions of the Site wooded land. By the early 1950s, the small structure was removed and portions of the existing main dealership building were constructed, including the North Shop. By 1968, several building additions were completed that included construction of the South Shop.

The Site has been used for automotive sales and service activities since the early 1950s and has operated under various names since that time. Previous Site occupants have included Grant's Chevrolet in the 1950s and 1960s, Service Chevrolet in the 1970s through the mid-1980s, Ken Parks Chevrolet in mid-1980s through the mid-1990s, Puyallup Chevrolet in the mid-1990s through the early 2000s, and Friendly Chevrolet in the 2000s through the early 2010s. NWMS has operated at the Site since 2011.

Routine automotive maintenance and repair operations include the use of petroleum products and the generation of various waste fluids (e.g., used motor oil, used antifreeze, spent degreasers, etc.) that require management and proper disposal. In addition, historical automotive service operations commonly included the use of various chlorinated solvents as degreasers, which if released, have the potential to persist in the environment.

Automotive sales and service activities at the Site historically included the use of in-ground hydraulic lifts. The in-ground hydraulic lifts were located within the North and South Shops, and were removed in 1987 and 2004 (Partner, 2013). Two waste oil USTs (reportedly 500-gallon and 650-gallon in capacity) were previously located in a tank basin along the southern exterior wall of the South Shop, and were removed in 1996 and 2004, respectively. One 5,000-gallon gasoline UST was located south of the dealership building and was removed in 1996. Soil assessment activities were completed at the former gasoline UST location in 2003. Based on the results of the assessment activities, approximately 26 tons of petroleum-impacted soil were subsequently excavated from this location (Robinson Noble, 2016). Additionally, one 500-gallon heating oil UST, located southeast of the dealership building, was closed-in-place in 1996. Current Site operations include the use of aboveground hydraulic lifts and aboveground storage tanks (ASTs).

2.2 Topographic Setting

The Site is located approximately 1,200 ft south of the Puyallup River, in an area of relatively little topographic relief. The Site ranges in elevation from approximately 40 ft above mean sea level (msl) along River Road to the north and 4th Street NW to the east, to approximately 35 ft

msl near the southwestern portion of the Site.

2.3 Geologic and Hydrogeologic Setting

The Site is located within the Puyallup River Valley of the Puget Lowland physiographic region of Washington (Schuster, 2005). The Puget Lowland region is a wide low-lying area between the Cascade Range to the east and Olympic Mountains to the west. The Site is underlain by Quaternary-aged alluvium deposited by the Puyallup River during a number of glacial episodes (Jones, 1999). Alluvium deposition occurred during glacial advances and retreats, which created the region's subsurface conditions. Outwash sediments were deposited by rivers, streams, and post-glacial lakes during the glacial episodes. Regionally, these sediments generally consist of interlayered and/or sequential deposits of alluvial clays, silts, and sands situated over deposits of glacial till (commonly consisting of silty sand to sandy silt with gravels).

Soil encountered beneath the Site during the RI generally consisted of well graded sands and clayey sands to depths of approximately 10 feet below ground surface (ft bgs), which are underlain by poorly graded sands and gravels to approximately 22 ft bgs, and followed by a stiff silt layer to depths of up to 25 ft bgs, the greatest depth encountered during the assessment activities.

According to the Geologic Framework for the Puget Sound Aquifer System, the Site is underlain by the Puyallup River aquifer (Jones, 1999). Groundwater within the upper Puyallup River aquifer occurs primarily within alluvial deposits and glacial outwash deposits, and is generally unconfined. The depth of this upper alluvial aquifer unit is typically less than 100 ft thick, but can exceed 240 ft thick along the Puyallup River (Welch et al., 2015). The Puyallup River, located approximately 1,200 feet north of the Site at its closest point, exerts regional control on groundwater flow within the shallow or uppermost groundwater bearing unit, with flow being towards the river (north) and its downgradient (northwesterly) direction.

During the additional RI, groundwater was encountered at depths ranging from approximately 12 ft below top of casing (bTOC) south of the dealership building to approximately 19 ft bTOC

along street level to the north and east of the dealership building. The primary flow direction of shallow groundwater measured in the Site wells during the additional RI was to the north towards the Puyallup River, which is consistent with area topography.

2.4 Summary of Previous Assessment Activities

Summaries of previous assessment activities completed at the Site are provided below. Copies of the reports summarized below are provided in Appendix A.

2.4.1 UST and Hydraulic Lift Removals

Environmental Management Service, LLC (EMS) completed UST and in-ground hydraulic lift removal activities at the Site in April 2004 (EMS, 2004). The report indicates that one 650-gallon waste oil UST located along the south side of the South Shop and one two-piston in-ground hydraulic lift in the South Shop were removed. The 650-gallon waste oil UST was reportedly installed in the location of a previous waste oil UST which was removed in 1987. Following removal of the UST and hydraulic lift, impacted soil was excavated for off-Site disposal. Soil samples were collected from sidewalls and bases of the excavations for laboratory analysis of total petroleum hydrocarbons diesel range organics (TPH-DRO) and total petroleum hydrocarbons oil range organics (TPH-ORO). Analytical results did not indicate impacts above the MTCA cleanup levels. The Tacoma-Pierce County Health Department issued a No Further Action (NFA) letter for the 650-gallon waste oil UST in September 2004.

2.4.2 Focused Phase II Subsurface Investigation

The Riley Group, Inc. (Riley Group) complete soil and groundwater assessment activities at an oil/water separator (OWS) located along the southern Site boundary in April 2011 (Riley Group, 2011). The assessment included the advancement of one soil boring along the OWS influent line. Shallow groundwater was reported in the boring at approximately 11 ft bgs. Two soil samples and a grab groundwater sample were collected from the boring for laboratory analysis of TPH and VOCs. Laboratory analytical results did not indicate the presence of analyzed

compounds at concentrations above laboratory reporting limits.

2.4.3 Previous Phase I Environmental Site Assessments

Several Phase I Environmental Site Assessments (ESAs) have been completed in relation to the subject Site by others in 2013, 2016, and 2020 (Partner, 2013; Robinson Noble, 2016; and AECOM, 2020). The previous Phase I ESA reports summarize a prior Phase II ESA completed at the Site by Encore Environmental (Encore) in 2003. Encore reportedly advanced 18 borings across the Site to evaluate the potential for impacts associated with 11 former and one active in-ground hydraulic lifts, a former gasoline UST (removed in 1987), a closed-in-place heating oil UST, storm drains, and an adjacent off-Site property. One soil sample and one groundwater sample (if encountered) were collected from each of the borings for laboratory analysis of total petroleum hydrocarbons gasoline range organics (TPH-GRO), TPH-DRO, TPH-ORO, and VOCs.

Soil analytical results from the 2003 Encore assessment indicated the presence of xylenes near the former gasoline UST basin and TPH-DRO/TPH-GRO near the 650-gallon waste oil UST at concentrations above the MTCA Model A soil screening levels. No other compounds were detected in the soil samples above MTCA Model A soil screening levels, and no compounds were detected at concentrations above laboratory method detection limits in the collected groundwater samples. EMS reportedly conducted excavation activities in the vicinity of the former gasoline UST in September 2003 resulting in the removal and disposal of approximately 26 tons of petroleum-impacted soil (Partner, 2013). Soil impacts associated with the former 650-gallon waste oil UST were removed during UST closure activities conducted by EMS in April 2004 (as discussed above in Section 2.4.1). Confirmation samples collected by EMS from the sidewalls and bases of the UST excavations did not indicate residual impacts above MTCA Method A cleanup levels.

Based on the results of the Phase I ESA activities, the following environmental concerns were identified in connection with the Site:

2.4.5 Remedial Investigation

H&H completed remedial investigation (RI) activities at the Site in October 2022 (H&H, 2022). During the RI activities, H&H advanced seven soil borings around and within the North and South Shops (SB-6 through SB-12), converted six of the soil boring locations into shallow permanent monitoring wells (MW-1 through MW-6). Additionally, H&H installed eight sub-slab vapor points (SSV-1 through SSV-8) in the service areas, showroom, office areas, and parts storage areas of the main building, as well as within the basement level of the main building and southern office building.

One soil sample was collected from each boring and was analyzed for VOCs by EPA Method 8260D, PAHs by EPA Method 8270E, and TPH by the NWTPH Method. One groundwater sample was collected from each permanent monitoring well and analyzed for VOCs by EPA 8260D, PAHs by EPA Method 8270E, and TPH by the NWTPH Method. Due to access restrictions associated with the collection of samples from inside an active automotive service facility during business hours, and time constraints of the project, sub-slab vapor samples were only collected for laboratory analysis from three of the eight sub-slab vapor points during the October 2022 RI activities. Sub-slab soil vapor samples were collected from the showroom floor (SSV-1), customer lounge (SSV-4), and parts department (SSV-7) of the main dealership building were analyzed for VOCs by EPA Method TO-15.

<u>Soil Analytical Results</u>

Laboratory analytical results indicate the presence of methylene chloride in the soil sample collected from soil boring SB-6 (South Shop) at an estimated concentration of 0.82 mg/kg, which is above the Method A unrestricted and commercial/industrial soil cleanup levels (SCLs) of 0.02 mg/kg, and the protection of groundwater (POG) SCL of 0.22 mg/kg. Note that methylene chloride, a common laboratory contaminant, was also detected in the blank sample associated with SB-6, and the laboratory control sample result was outside of the acceptable range indicating that the SB-6 sample results may be biased high. As such, the methylene chloride detection reported in soil sample SB-6 may not be representative of actual soil conditions at the Site.

No other VOCs, PAHs, or TPHs were detected during the October 2022 soil assessment at concentrations above the MTCA screening levels.

Groundwater Analytical Results

Laboratory analytical results did not indicate the presence of VOCs, PAHs, or TPH in the groundwater samples at concentrations above laboratory method detection limits.

Sub-Slab Vapor Analytical Results

Laboratory analytical did not indicate the presence of VOCs in the sub-slab vapor samples at concentrations above the MTCA Method B screening levels. However, several VOCs were detected at low concentrations at concentrations above laboratory method detection limits, but below the MTCA Method B screening levels.

3.0 Additional Remedial Investigation

H&H completed additional RI activities at the Site between August 12 and 16, 2024. H&H contracted with Steadfast Services Northwest, LLC (Steadfast), a licensed Washington drilling contractor, to provide environmental drilling services. The additional RI activities included the collection of soil, groundwater, sub-slab vapor, and indoor air samples for laboratory analysis. A brief summary of the additional RI activities documented herein is provided below.

- Advancement of four soil borings in the North Shop in the area of SB-5 (advanced during the 2022 assessment activities) and four soil borings in the South Shop in the area of SB-3 (advanced during the 2022 assessment activities).
- Collection of groundwater samples from six previously installed permanent monitoring wells.
- Collection of eight sub-slab vapor samples from previously installed sub-slab vapor points.
- Collection of five indoor air samples within the main Site building in the North and South Shops, Business Center, Showroom, and Basement Office Area.

Prior to conducting field activities, H&H contacted Washington 811, the public utility locating service, to mark subsurface utilities located on the Site. H&H also contracted with Ground Penetrating Radar Systems, LLC (GPRS), a private utility locator, to screen proposed boring locations for subgrade utilities which were not identified by the public locator, using ground penetrating radar (GPR) and electromagnetic (EM) scanning methods. In addition, in areas where surface conditions allowed, a decontaminated stainless-steel hand auger was advanced to a depth of approximately 5 ft bgs prior to utilizing mechanical drilling equipment at each boring location to clear the boring of potential subsurface utilities.

3.1 Soil Assessment

H&H advanced eight soil borings within the North and South Shops. The purpose of the soil assessment activities was to further evaluate the horizontal and vertical extent of impacts to soil

at previous boring locations SB-3 and SB-5. The boring locations are detailed below and are presented on Figure 3.

- Soil boring SB-5R was advanced inside the North Shop, near the location of previous boring SB-5, where PCE and TPH-RRO were detected at concentrations above MTCA Method A SCLs. were detected in the subsurface. The purpose of the SB-5R boring was to evaluate the vertical extent of impacts in this area.
- Soil borings SB-13 through SB-15 were advanced at distances ranging from approximately 7.5 ft to 12.5 ft from the SB-5R soil boring. The purpose of these borings was to evaluate the horizontal extent of impacts in the area of former soil boring SB-5.
- Soil boring SB-3R was advanced inside the South Shop, near the location of previous soil sample SB-3, where PCE was detected at a concentration above MTCA Method A SCLs. The purpose of boring SB-3R was to evaluate the vertical extent of impacts to soil in this area.
- Soil borings SB-16 through SB-18 were advanced approximately 3 ft to 14 ft from the previous SB-3 boring location, due to the presence of subsurface utilities. The purpose of these borings was to evaluate the horizontal extent of impacts to soil in this area.

The initial 5 ft of each soil boring was advanced with a decontaminated stainless-steel hand auger to clear for subsurface utilities. Beyond the initial 5 ft, where feasible, soil borings were advanced with a track-mounted direct push technology (DPT) drill rig to 20 ft bgs. Note that due to low ceiling constraints within the North Shop, a DPT rig could not be utilized. As such, the soil borings in the North Shop were advance with a hand augur to depths ranging from 4.5 to 6 ft bgs. During boring advancement, soil was recovered in 5-ft cores using an acetate sleeve-lined Macro-Core® sampler or in approximate two-ft intervals from the hand auger bucket. The recovered soil was logged for lithological description, and field screened for indications of potential impacts by visual observation of staining and the presence of organic vapors using a calibrated photoionization detector (PID). In an attempt to delineate the vertical extent of VOC and/or TPH impacts in these areas, two to three soil samples were collected from each boring location for laboratory analysis. Field screening results did not indicate the likely presence of significant impacts at the boring locations. Soil boring logs including lithological descriptions

and field screening results are provided in Appendix B.

Soil samples selected for laboratory analysis were placed directly into dedicated laboratory supplied sample containers, labeled with the sample identification, date, and requested analysis, and placed in a laboratory supplied cooler with ice. The soil samples were submitted to Eurofins, USA (Eurofins) – Seattle, a Washington-certified laboratory under standard chain of custody protocols for analysis of VOCs by EPA Method 8260D, and TPH-DRO and TPH-RRO by the NWTPH Method.

Following the soil sampling activities, the soil borings were properly abandoned and the surface was patched to match surrounding ground surface.

3.2 Groundwater Assessment

Between August 13 and 15, 2024, H&H collected groundwater samples from the six permanent on-Site monitoring wells. Prior to sample collection, H&H purged each of the wells using low flow/low stress techniques with a peristaltic pump and dedicated polyethylene tubing. The intake point of the tubing was placed in the approximate mid-point of the well screen. While purging, field measurements of pH, specific conductivity, temperature, dissolved oxygen (DO), and oxidation reduction potential (ORP) were measured with a YSI Pro Plus water quality meter equipped with a flow-through cell. Turbidity was measured using a Hach 2100Q turbidity meter. Additionally, water levels were measured during the purging process to minimize drawdown of the water column in the monitoring wells. Groundwater was purged from each monitoring well until the field parameters of pH, conductivity, and temperature stabilized and turbidity was near 10 NTU. Copies of the groundwater sampling forms are provided in Appendix C.

Once field parameters stabilized, the groundwater samples were collected directly into laboratory supplied sample containers using the "soda-straw" method to minimize volatilization. The sample containers were then labeled with the sample identification, date, and requested analysis, placed in a laboratory supplied cooler with ice, and shipped via courier under chain-of-custody protocol to Eurofins.

It should be noted that the groundwater samples were submitted to the laboratory "on-hold" with extraction pending soil analytical results. Following receipt of the soil analytical data, H&H directed the laboratory to analyze the groundwater samples collected from MW-1 (located within the South Shop), MW-3 (located downgradient of the North Shop soil borings), and MW-4 (located downgradient of the South Shop). The locations of the monitoring wells are depicted on Figure 4.

3.3 Sub-Slab Vapor Assessment

To evaluate the vapor intrusion potential at the Site building, H&H collected samples from the eight interior sub-slab vapor sampling points (SSV-1 through SSV-8). The sub-slab vapor point locations are depicted on Figure 5.

Each sub-slab vapor sample was collected utilizing a laboratory supplied batch-certified 1.4-liter Summa® canister connected to an air-flow regulator calibrated by the laboratory to collect the samples at a rate of approximately 100 milliliters per minute (mL/min). Soil gas sampling forms completed by field personnel are included in Appendix C.

The sub-slab vapor samples were collected by connecting the regulator to the Summa® canister. Vacuum readings on the Summa® canister were recorded prior to, during, and following the sampling period to ensure adequate sample volume was collected. A vacuum of approximately 5 inches of mercury or more was maintained within the canisters at the conclusion of the sampling event.

Following sample collection, the Summa canisters were shipped to Pace Analytical (Pace) – Bakersfield, California under standard chain-of-custody protocols for analysis of VOCs by EPA Method TO-15. Upon receipt of the samples, the laboratory recorded the final vacuum measurements for each Summa canister which is documented in the laboratory analytical report provided in Appendix D. It should be noted that sub-slab sample SSV-4, was received at the laboratory with no vacuum remaining, and therefore, was not analyzed. However, the duplicate

sample (SSV-DUP-1) collected from the SSV-4 location, was received with adequate vacuum, and was analyzed by the laboratory. The sub-slab vapor sample locations are shown on Figure 5.

3.4 Indoor Air Assessment

To further evaluate the potential for vapor intrusion, H&H collected five indoor air samples (IAS-1 through IAS-5) in the main Site building. The indoor air sample locations are depicted on Figure 6.

Each indoor air sample was collected utilizing a laboratory supplied batch-certified 6-liter Summa® canister connected to an air-flow regulator calibrated by the laboratory to collect the indoor air samples over an 8-hr period at a rate of approximately 12 milliliters per minute (mL/min). Indoor air sampling forms completed by field personnel are included in Appendix C.

The indoor air samples were collected by connecting the regulator to the Summa® canister. Vacuum readings on the Summa® canister were recorded prior to, during, and following the sampling period to ensure adequate sample volume was collected. A vacuum of approximately 5 inches of mercury or more was maintained within the canisters at the conclusion of the sampling event.

Following sample collection, the Summa canisters were shipped to Pace under standard chain-of-custody protocols for analysis of VOCs by EPA Method TO-15. Upon receipt of the samples, the laboratory recorded the final received vacuum pressure for each Summa canister which is documented in the laboratory analytical report provided in Appendix D.

3.5 Investigation Derived Waste

Investigation derived waste (IDW) including soil cuttings, purge water, and decontamination fluids were containerized in 55-gallon drums and staged in a secure location on-Site. One drum of soil, purged groundwater, and decontamination water was generated during the assessment activities. The IDW profile is being prepared and the IDW drums will be properly disposed at an off-Site facility.

4.0 Additional Remedial Investigation Results

4.1 Soil Analytical Results

A summary of soil analytical results is provided as Table 1. Soil analytical results were compared to Washington's MTCA Method A Soil Cleanup Levels (SCLs) for unrestricted and industrial/commercial use, and the Protection of Groundwater [Vadose Zone] (POG-SCLs) dated July 2024 (CLARC 2024). A discussion of the soil laboratory analytical results is provided below. Laboratory analytical reports are provided in Appendix D.

VOCs

Laboratory analytical results indicate the presence of PCE in several soil samples at concentrations ranging from 0.00079 J mg/kg to 0.014 mg/kg, which are below the Method A unrestricted and commercial/industrial SCLs of 0.05 mg/kg, and the POG SCL of 0.05 mg/kg. Additionally, 1,1,1-trichloroethane was detected in soil samples SB-5R (2-4) and SB-5R (4-6) at estimated concentrations (J flag) of 0.002 mg/kg and 0.0015 mg/kg, respectively. The estimated concentrations are below the Method A unrestricted and commercial/industrial SCLs of 2.0 mg/kg, and the POG-SCL of 1.5 mg/kg. No other VOCs were detected at concentrations above laboratory method detection limits during the August 2024 soil assessment activities.

TPH

Analytical results indicate the presence of TPH-RRO in soil samples SB-5R (2-4) and SB-5R (4-6) at concentrations above the Method A unrestricted and commercial/industrial SCLs of 2,000 mg/kg. TPH-DRO and TPH-RRO were detected in several other soil samples collected in the North and South Shops at concentrations above laboratory method detection limits, but below the Method A unrestricted and commercial/industrial SCLs of 2,000 mg/kg.

4.2 Groundwater Elevation

The monitoring well top of casing (TOC) elevations were professionally surveyed by Sadler Barnard & Associates, Inc. of Puyallup, Washington on September 11, 2023. The monitoring

wells were surveyed for elevation, northing, and easting using the North American Vertical Datum of 1988 and Washington State Plan Coordinate System of 1983/2011. A summary of TOC data, well construction, and groundwater elevation data is provided in Table 2.

Prior to collection of the groundwater samples during the August 13 through 15, 2024 monitoring event, depth to groundwater measurements were collected using a decontaminated electronic water level. During the 2024 monitoring event, groundwater elevations ranged from 21.75 ft msl at MW4 to 21.84 ft msl at MW-6. In general, groundwater elevations were approximately one to two ft lower when compared to the groundwater elevation data collected in October 2022.

4.3 Groundwater Analytical Results

Based on the analytical results of the soil samples, H&H instructed the laboratory to analyze the groundwater samples collected from MW-1 (within the South Shop), MW-3 (downgradient of the South Shop), and MW-4 (downgradient of the North Shop). These groundwater samples were selected for analysis based on the proximity of the monitoring wells to known impacts to soil. Groundwater analytical results were compared to Washington's MTCA Method A Groundwater Cleanup Levels (GCLs) dated July 2024 (CLARC 2024). Groundwater analytical data is summarized on Table 3. A copy of the laboratory analytical report and chain of custody record is included as Appendix D.

<u>VOCs</u>

Analytical results indicate the presence of the VOC 1,1,1-trichloroethane in the groundwater sample collected from MW-4 at an estimated concentration of 0.18 µg/L, which is below the Method A SCL of 200 µg/L. Laboratory analytical results did not indicate the presence of other VOCs in the groundwater samples at concentrations above laboratory method detection limits.

4.4 Sub-Slab Vapor Analytical Results

Sub-slab vapor analytical data is summarized on Table 4. A copy of the laboratory analytical

report and chain of custody record is included as Appendix C. Sub-slab vapor analytical results were compared to Washington's MTCA Commercial Worker Sub-Slab Soil Gas Screening Levels (SSGLs) for carcinogenic and non-carcinogenic effects dated July 2024 (CLARC 2024).

Laboratory analytical results of the sub-slab vapor samples indicate the presence of several VOCs at concentrations above laboratory method detection limits, but below the MTCA Commercial Worker Cancer and Non-Cancer screening levels. Notably, PCE was detected at a high concentration of 1,200 $\mu g/m^3$ in the sample collected from SSV-6 which is below the MTCA Commercial Worker Cancer and Non-Cancer screening levels of 1,500 $\mu g/m^3$ and 5,200 $\mu g/m^3$, respectively.

4.5 Indoor Air Analytical Results

Analytical results of the indoor air samples are summarized on Table 5. A copy of the laboratory analytical report and chain of custody record is included as Appendix D. Indoor air sample analytical results were compared to Washington's MTCA Commercial Worker Air Screening Levels for carcinogenic and non-carcinogenic effects dated July 2024 (CLARC 2024).

Based on the sub-slab vapor sampling results, H&H directed the laboratory to analyze the indoor air samples collected in the South Shop (IAS-1), North Shop (IAS-2), and the Business Center (IAS-3). Laboratory analytical results indicate that multiple VOCs were detected in each of the three indoor air samples analyzed. However, no VOCs were detected at concentrations above the Commercial Worker Indoor Air Screening Levels for carcinogenic and noncarcinogenic effects.

4.6 Vapor Intrusion Evaluation

To further evaluate the potential vapor intrusion risk, H&H utilized the EPA Vapor Intrusion Screening Level (VISL) Calculator (June 2024 Version) to calculate the cumulative carcinogenic and non-carcinogenic risks for the soil vapor to indoor air and indoor air exposure scenarios for the main Site building. To model the potential for vapor intrusion under a hypothetical "worst-

case" scenario, H&H conservatively calculated the cumulative risks by using the highest detected concentration of each compound in the sub-slab vapor and indoor air samples. The VISL was run using the default commercial use parameters.

Vapor intrusion mitigation or additional assessment is not typically warranted if the calculated cumulative lifetime incremental carcinogenic risk (LICR) is 1×10^{-4} or less and the acceptable level for non-carcinogenic risk is a calculated cumulative hazard index (HI) of 1.0 or less.

Copies of the calculations are provided in Appendix E and a summary of the calculated LICR and HI values for a cumulative worst-case scenario is provided below:

Evaluation Area	Land Use Scenario	Calculated Cumulative LICR	Calculated Cumulative HI	Exceedance of Acceptable Levels?
Sub-Slab Soil Gas	Commercial	5.24×10^{-6}	0.267	No
Indoor Air	Commercial	5.70×10^{-7}	0.124	No

As shown in the table above, VISL results indicate that under a hypothetical worst-case scenario for the sub-slab soil gas to indoor air vapor intrusion pathway for the commercial use exposure scenario, the cumulative LICR and the cumulative HI are within acceptable threshold limits. Similarly, VISL results for the commercial indoor air exposure scenario, the cumulative LICR and the cumulative HI are within acceptable threshold limits. Based on the results sub-slab vapor and indoor air analytical results and the results of the VISL risk evaluation, there does not appear to be an unacceptable risk to Site users under the current commercial exposure scenario.

5.0 Preliminary Conceptual Site Model

Based upon the results of the additional RI activities and previous assessment activities, H&H has prepared a preliminary Conceptual Site Model (CSM) for the Site. The primary CSM provides a framework of the current understanding of the Site conditions and is used for a basis for developing technically feasible cleanup action alternatives and selecting a final cleanup action in accordance with MTCA regulations.

5.1 Media and Contaminants of Concern

Soil

Based on the results of previous assessment in 2022, the following primary compounds of concern (COCs) have been identified in soil at the Site at concentrations above applicable MTCA Method A SCLs:

- PCE; and
- TPH-RRO (C25 – C36).

PCE was detected at concentrations up to 1.8 mg/kg in two shallow soil samples (ranging in depth from 1 to 3 ft bgs) that were collected from the interior of the North and South Shops. Additionally, TPH-RRO was detected in one shallow soil sample (1 to 2 ft bgs) collected from the North Shop at a concentration of 4,900 mg/kg.

During the additional assessment activities completed in August 2024, PCE was not detected at concentrations above MTCA Method A SCLs in the soil samples collected from the step out borings in the areas of the previous PCE detections in the North and South Shops. TPH-RRO was detected in the North Shop in soil samples collected from 2 to 4 ft bgs and 4 to 6 ft bgs at concentrations of 2,800 mg/kg and 3,900 mg/kg, respectively.

Groundwater

The results of previous groundwater assessment and the additional RI did not identify impacts to groundwater at the Site at concentrations above MTCA Method A screening levels.

Soil Gas

The results of previous RI and additional RI soil gas assessment activities did not identify the presence of VOCs in sub-slab vapor samples collected from below the slab of the main Site building at concentrations above MTCA Vapor Intrusion Commercial Worker Cancer and Non-Cancer screening levels.

Indoor Air

The results of the indoor air assessment did not identify the presence of VOCs in indoor air samples collected from the interior of the main Site building at concentrations above MTCA Commercial Worker Indoor Air Commercial Worker Cancer and Non-Cancer screening levels.

5.2 Confirmed and Suspected Sources

The presence of PCE and TPH-RRO in shallow soil below the concrete slab of the North and South shops does not appear to be the result of a singular event. Rather, the presence of these compounds in shallow soil at the Site appears to be the result of the use of petroleum products and PCE-containing substances during routine automotive maintenance and repair activities over time. The North and South Shops have been in operation since at least the late-1950s and late-1960s, respectively.

No primary Site COCs were detected in the additional soil samples or in the groundwater samples collected during the 2022 RI. Analytical results of the soil samples collected from the North and South shops during the August 2024 assessment activities suggest that impacts to soil are limited in extent and depth. No Site COCs were detected in the groundwater samples collected during the 2022 or 2024 RI activities. As such, the COCs do not appear to be present in soil at concentrations that represent a Site-specific leaching concern.

5.3 Exposure Pathways and Potential Receptors

This section discusses potential human health and ecological exposure pathways identified for

the Site with the goal of applying the findings to the development of potentially feasible remedial alternatives. Possible receptors include those who visit or work on the Site, including wildlife.

5.3.1 Soil-to-Groundwater Pathway

VOCs and PAHs were not detected in the groundwater samples collected from the six monitoring wells installed and sampled during the October 2022 RI activities. TPH-GRO was detected at estimated concentrations ranging from 32 J µg/L (MW-5) to 38 J µg/L (MW-4) and TPH-RRO was detected at an estimated concentration of 150 J µg/L (MW-3) in the groundwater samples collected during the October 2022 RI activities. None of the detections of TPH were at concentrations above the MTCA Method A GCLs. Additionally, no VOCs were detected at concentrations above the MTCA Method A GCLs in the groundwater samples collected during the August 2024 RI activities.

Based on the absence of PCE in groundwater and the limited low-level presence of TPH-GRO and TPH-RRO in groundwater at the Site, the current soil-to-groundwater pathway appears to be incomplete. Because the detections of PCE are below an existing building which limits contract with stormwater and other forms of precipitation, the potential for PCE to leach to groundwater is minimized. However, because PCE has been detected in soil at concentrations above the MTCA Method A Protection of Groundwater (Vadose Zone) SCL, the soil-to-groundwater pathway could be completed in the future if the existing buildings and/or paved parking and drive areas are removed or if pervious ground surface is increased at the Site.

5.3.2 Direct-Contact Pathway

Soil impacts identified at the Site appear to be limited to shallow soils immediately underlying the concrete slab of the North and South shops. The concrete floor slabs that cover the entire extent of the service departments, are approximately 6-inches thick, and act as a barrier to limit direct-contact with impacted soil. Because the Site is capped with buildings and paved parking lots, the direct-contact exposure pathway (i.e., incidental ingestion, dermal contact, and inhalation of impacted dust) under the current Site conditions appears to be incomplete based on

the presence of physical barriers to exposure.

5.3.3 Air/Soil Vapor Pathway

Sub-slab vapor samples collected during the October 2022 RI activities and the August additional RI activities did not indicate the presence of VOCs at concentrations above the Commercial Worker Cancer and Non-Cancer Sub-Slab Soil Gas Screening Levels. Additionally, analytical results of the indoor air samples collected during the August 2024 additional RI activities did not indicate the presence of VOCs at concentrations above the Commercial Worker Cancer and Non-Cancer Indoor Air Screening Levels. As such, the vapor intrusion exposure pathway does not appear to be a completed pathway based on the current commercial use of the Site. The vapor intrusion exposure pathway should be re-evaluated if the use of the Site changes in the future.

5.4 Proposed Cleanup Standards

This section presents the proposed preliminary cleanup levels and points of compliance for the COCs in soil at the Site. In accordance with WAC 173-340-700, the cleanup levels may be refined as additional information is collected. Final proposed cleanup levels for Site COCs will be presented to and approved by Ecology as part of the development of the cleanup action alternatives selected for the Site.

5.4.1 Points of Compliance

In accordance with MTCA, the point of compliance for direct contact with soil extends to 15 ft bgs, based on a reasonable maximum depth of excavation and assumed placement of excavated soils at the surface where contact occurs. For soil cleanup levels based on leaching to groundwater and the protection of surface water, the soil point of compliance is all depths, above and below the water table. The point of compliance for soil is defined as all soil at the Site where COCs have been detected at concentrations above MTCA soil cleanup levels.

5.4.2 Preliminary Cleanup Levels

The proposed cleanup levels are the concentrations of COCs that are to be met for each medium of concern at the points of compliance defined for the Site. MTCA Method A cleanup levels for Industrial/Commercial land use are appropriate for COCs in soil and groundwater at the Site. The Commercial Worker Indoor Air Screening Levels and the Commercial Worker Sub-Slab Soil Gas Screening Levels are appropriate for COCs in air and vapor at the Site.

6.0 Summary and Conclusions

H&H completed additional RI activities at the Northwest Motorsports Puyallup facility located at 400 River Road in Puyallup, Pierce County, Washington. The additional RI activities were completed between August 12 to 16, 2024, and included the collection of soil, groundwater, sub-slab soil gas, and indoor air samples for laboratory analysis. Based on the results of previous assessment activities, including the August 2024 additional RI assessment activities, H&H has concluded the following:

- PCE is present at concentrations above MTCA Method A cleanup levels in shallow soil underlying the North and South Shops. The PCE impacts appear to be limited in extent and have not been identified in soil outside of the service areas or in groundwater at the Site.

- TPH-RRO is present at concentrations above MTCA Method A cleanup levels in shallow soil underlying the North Shop. No other soil samples collected at the Site contained TPH-RRO at concentrations above MTCA Method A cleanup levels. Based on the assessment activities and the nature of TPH-RRO, the extent of impacted soil appears to be limited in extent and has not migrated outside the footprint of the North Shop.

- The presence of PCE and TPH-RRO in shallow soil located below the concrete slab of the North and South shops appear to be the result of the use of PCE-containing products such as degreasers and petroleum products during routine automotive maintenance and repair activities over time. The North and South Shops have been in operation since at least the late-1950s and late-1960s, respectively.

- Results of the previous assessment activities and the RI activities indicate that groundwater at the Site has not been impacted. As such, the presence of PCE and TPH-RRO in Site soil does not appear to be a Site-specific leaching concern.

- Sub-slab soil vapor samples collected in August 2024 did not indicate the presence of Site COCs above MTCA Commercial Worker Cancer and Non-Cancer Sub-Slab-Soil Gas screening levels.

- Indoor air samples collected from the North Shop, South Shop, and Business Center did not identify COCs above MTCA Commercial Worker Indoor Air screening levels. Therefore, the vapor intrusion exposure pathway is considered incomplete.

- Based on the analytical data and the current use of the Site for commercial purposes, the direct exposure, soil leaching to groundwater, and the vapor intrusion exposure pathways to not appear to be completed pathways. However, the vapor intrusion exposure pathway should be re-evaluated in the future if the use of the Site changes.

Based on the conclusions above, there are no completed exposure pathways given current Site conditions and commercial use of the Site. However, the soil to groundwater pathway could be completed if the existing buildings and/or paved parking and driveways are altered. Additionally, the vapor intrusion exposure pathway could be completed if the use of the Site changes in the future. As such, H&H is recommending that PCE and TPH-RRO impacted soil be excavated to minimize the future soil to groundwater pathway and that environmental covenants be recorded on the property deed restricting use of the Site for commercial and industrial purposes to minimize the future vapor intrusion exposure pathway in the future. A Remedial Action Work Plan will be submitted under separate cover.

7.0 References

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Tables

Table 1
Summary of Soil Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	Prior SB-5 Sample Location	Prior SB-5 Sample Location	Northwest of SB-5R	Northwest of SB-5R	Northeast of SB-5R	Northeast of SB-5R	**Regulatory Screening Levels**		
Sample ID	SB-5R (2-4)	SB-5R (4-6)	SB-13 (2-4)	SB-13 (4-6)	SB-14 (2-4)	SB-14 (4-6)	Method A Soil Cleanup Levels		Protective of Groundwater (Vadose Zone)[(1)]
Depth (ft bgs)	2-4	4-6	2-4	4-6	2-4	4-6	Unrestricted Use[(1)]	Industrial/ Commercial[(1)]	
Sample Date	8/14/2024								
PID Reading (ppm)	0.3	0.1	1.5	1.6	1.2	0.9			
TPH (NWTPH) mg/kg									
Diesel Range Organics (C_{10}-C_{25})	680	1,000	65	130	<13	<13	2,000	2,000	NE
Residual Range Organics (C_{25}-C_{36})	2,800	3,900	91	150	<18	18 J	2,000	2,000	NE
VOCs (8260D) mg/kg									
Tetrachloroethene	0.014	0.0069	0.0016 J	0.0032	0.0019 J	0.0022 J	0.05	0.05	0.05
1,1,1-Trichloroethane	0.0020 J	0.0015 J	<0.0014	<0.0013	<0.0012	<0.0012	2.0	2.0	1.5

Notes:
[(1)] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated July 2024, for Method A Soil Cleanup Levels and Protective of Groundwater (Vadose Zone).
Orange highlighting indicates concentration exceeds the Method A Residential and Industrial Properties Soil Cleanup Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method A Soil Cleanup Levels and the Protective of Groundwater (Vadose Zone) Standard.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (mg/kg).
VOCs = volatile organic compounds; TPH = total petroleum hydrocarbons
ft bgs = feet below ground surface; NE = not established; ppm = parts per million
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established
NA = not analyzed; -- = not applicable; H = exceeded hold time; + = lab control sample recovery above 100%, value may be biased high.

Table 1
Summary of Soil Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	South of SB-5R	South of SB-5R	Northeast of MW-1 Location	Northeast of MW-1 Location	Southeast of MW-1 Location	Southeast of MW-1 Location	Regulatory Screening Levels		
Sample ID	SB-15 (2-4)	SB-15 (4-6)	SB-3R (6-8)	SB-3R (10-12)	SB-16 (6-8)	SB-16 (10-12)	Method A Soil Cleanup Levels		Protective of Groundwater (Vadose Zone)[1]
Depth (ft bgs)	2-4	4-6					Unrestricted Use[1]	Industrial/ Commercial[1]	
Sample Date	8/14/2024		8/15/2024						
PID Reading (ppm)	1.5	1.7	1.0	1.2	1.3	1.3			
TPH (NWTPH) mg/kg									
Diesel Range Organics (C_{10}-C_{25})	<14	<12	41 J	170	42 J	230	2,000	2,000	NE
Residual Range Organics (C_{25}-C_{36})	<19	<17	43 J	160	45 J	210	2,000	2,000	NE
VOCs (8260D) mg/kg									
Tetrachloroethene	<0.00051	<0.00047	0.0013 J	0.00079 J	0.0047	<0.00052	0.05	0.05	0.05
1,1,1-Trichloroethane	<0.0012	<0.0011	<0.0012	0.0012	<0.0011	<0.0013	2.0	2.0	1.5

Notes:
[1] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2024, for Method A Soil Cleanup Levels and Protective of Groundwater (Vadose Zone).
Orange highlighting indicates concentration exceeds the Method A Residential and Industrial Properties Soil Cleanup Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method A Soil Cleanup Levels and the Protective of Groundwater (Vadose Zone) Standard.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (mg/kg).
VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbons
ft bgs = feet below ground surface; NE = not established; OWS = oil-water separator; ppm = parts per million
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established
NA = not analyzed; -- = not applicable; H = exceeded hold time; B = compound was found in blank and sample; + = lab control sample recovery above 100%, value may be biased high.

Table 1
Summary of Soil Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	Southwest of MW-1 Location	Southwest of MW-1 Location	Northwest of MW-1 Location	Northwest of MW-1 Location	Regulatory Screening Levels		
Sample ID	SB-17 (6-8)	SB-17 (10-12)	SB-18 (10-12)	SB-18 (12-14)	Method A Soil Cleanup Levels		Protective of Groundwater (Vadose Zone)[(1)]
Depth (ft bgs)					Unrestricted Use[(1)]	Industrial/ Commercial[(1)]	
Sample Date	8/15/2024						
PID Reading (ppm)	1.2	1.5	0.8	0.8			
TPH (NWTPH) mg/kg							
Diesel Range Organics (C_{10}-C_{25})	79	120	180	38 J	2,000	2,000	NE
Residual Range Organics (C_{25}-C_{36})	80	110	150	47 J	2,000	2,000	NE
VOCs (8260D) mg/kg							
Tetrachloroethene	0.0023 J	<0.00039	<0.00048	<0.00048	0.05	0.05	0.05
1,1,1-Trichloroethane	<0.0013	<0.00095	<0.0012	<0.0012	2.0	2.0	1.5

Notes:
[(1)] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2024, for Method A Soil Cleanup Levels and Protective of Groundwater (Vadose Zor
Orange highlighting indicates concentration exceeds the Method A Residential and Industrial Properties Soil Cleanup Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method A Soil Cleanup Levels and the Protective of Groundwater (Vadose Zone) Standard.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (mg/kg).
VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbons
ft bgs = feet below ground surface; NE = not established; OWS = oil-water separator; ppm = parts per million
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established
NA = not analyzed; -- = not applicable; H = exceeded hold time; B = compound was found in blank and sample; + = lab control sample recovery above 100%, value may be biased high.

Table 2
Summary of Monitoring Well Construction and Depth to Groundwater Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Well ID	Well Construction Information					Groundwater Elevation Data		
	Date Installed	TOC Elevation[(1)] (ft)	Well Diameter (in)	Total Well Depth (ft bTOC)	Screen Interval (ft bTOC)	Date Measured	Depth to Groundwater (ft bTOC)	Groundwater Elevation (ft)
MW-1	10/3/2022	38.59	2.0	19.25	10 - 20	10/7/2022	15.60	22.99
						8/13/2024	16.83	21.76
MW-2	10/4/2022	38.23	2.0	19.10	10 - 20	10/7/2022	15.15	23.08
						8/14/2024	16.40	21.83
MW-3	10/5/2022	33.95	2.0	20.90	7 - 22	10/7/2022	10.81	23.14
						8/13/2024	12.17	21.78
MW-4	10/5/2022	39.25	2.0	22.10	7 - 22	10/7/2022	16.22	23.03
						8/14/2024	17.50	21.75
MW-5	10/5/2022	40.56	2.0	23.31	15 - 25	10/7/2022	17.67	22.89
						8/14/2024	18.80	21.76
MW-6	10/7/2022	40.54	2.0	22.55	8 - 23	10/7/2022	17.50	23.04
						8/15/2024	18.70	21.84

Notes:
[(1)] TOC elevations were surveyed by Sadler Barnard & Associates, Inc on 9/11/2023.
ft bTOC = feet below top of casing

Table 3
Summary of Groundwater Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	Groundwater Monitoring Network			Regulatory Screening Level
Sample ID	MW-1	MW-3	MW-4	
Sample Date	8/13/2024		8/14/2024	Groundwater Method A[(1)]
VOCs (8260D)				
1,1,1-Trichloroethane	<0.025	<0.025 H	0.18 J	200

Notes:
[(1)] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2021, for Method A Groundwater Cleanup Levels.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in micrograms per liter (ug/L); <(0.22) indicates non-detect at method detection limit
VOCs = volatile organic compounds
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value
H = sample was prepped or analyzed beyond the specified holing time;

Table 4
Summary of Sub-Slab Vapor Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	Showroom	North Shop	North Shop	Business Center		South Shop	South Shop	Basement	Outbuilding Service Bay	Regulatory Screening Levels	
Sample ID	SSV-1	SSV-2	SSV-3	SSV-4	SSV-DUP-1	SSV-5	SSV-6	SSV-7	SSV-8	Commercial Worker	
Sample Date	8/16/2024									Noncancer[1]	Cancer[1]
VOCs (8260D) ug/m^3											
Acetone	2.3 J	3.6 J	2.9 J	NA	29	4.5 J	6.9 J	2.6 J	5.0 J	NE	NE
Benzene	<0.42	<0.42	<0.42	NA	<0.42	<0.42	<2.1	<0.42	0.85 J	3,900	50
Carbon Disulfide	1.7 J	2.3 J	<0.38	NA	<0.38	<0.38	<1.9	<0.38	<0.38	91,000	NE
Chloroform	<1.1	1.2 J	<1.1	NA	<1.1	<1.1	<5.4	<1.1	<1.1	13,000	17
Chloromethane	<0.42	<0.42	<0.42	NA	1.1 J	<0.42	<2.1	<0.42	0.73 J	12,000	NE
1,2-Dibromoethane	<1.2	<1.2	<1.2	NA	<1.2	<1.2	<5.8	<1.2	2.7 J	NE	NE
Dichlorodifluoromethane	6.0 J	3.5 J	16	NA	2.4 J	3.1 J	9.5 J	53	2.5 J	13,000	NE
1,1-Dichloroethene	<0.62	2.2 J	<0.62	NA	<0.62	<0.62	<2.3	<0.62	<0.62	26,000	NE
1,4-Dioxane	<0.66	<0.66	<0.66	NA	22	<0.66	<3.3	<0.66	<0.66	3,900	78
Ethanol	100	89	92	NA	230	180	190	74	120	NE	NE
Ethylbenzene	<0.64	1.0 J	1.4 J	NA	<0.64	<0.64	<3.2	5.6 J	2.5 J	130,000	NE
1-ethyl-4-methylbenzene	<0.60	<0.60	2.7 J	NA	2.0 J	1.7 J	<3.0	3.1 J	2.6 J	NE	NE
Isopropyl alcohol	0.98 J	1.1 J	0.96 J	NA	10	1.9 J	<3.2	<0.64	1.2 J	NE	NE
Methyl ethyl ketone	<0.38	<0.38	<0.38	NA	4.2	<0.38	<1.9	<0.38	<0.38	650,000	NE
Methyl isobutyl ketone	<0.52	<0.52	<0.52	NA	2.0 J	<0.52	<2.6	<0.52	<0.52	390,000	NE
Tetrachloroethene	9.8	430	170	NA	<1.0	560	1,200	21	8.4	5,200	1,500
Toluene	<0.54	1.6 J	2.3 J	NA	3.4 J	2.5 J	<2.7	2.2 J	6.8	650,000	NE
1,1,1-Trichloroethane	180	43	96	NA	<0.78	10	130	1.4 J	17	650,000	NE
Trichloroethene	<1.1	13	<1.1	NA	<1.1	<1.1	<5.4	<1.1	<1.1	250	95
Trichlorofluoromethane	2.7 J	5.1 J	6.7 J	NA	1.6 J	6.9 J	7.2 J	2.0 J	2.8 J	91,000	NE
1,2,4-Trimethylbenzene	<0.80	<0.80	5.3 J	NA	3.8 J	<0.80	<4.0	6.0 J	3.7 J	7,800	NE
1,3,5-Trimethylbenzene	<0.80	<0.80	1.5 J	NA	1.3 J	<0.80	<4.0	1.2 J	1.2 J	7,800	NE
m&p-Xylene	<1.2	2.8 J	5.8 J	NA	2.7 J	3.3 J	<6.1	6.3 J	9.2 J	NE	NE
o-Xylene	<0.60	<0.60	1.4 J	NA	1.1 J	1.0 J	<3.0	<0.60	3.2 J	13,000	NE

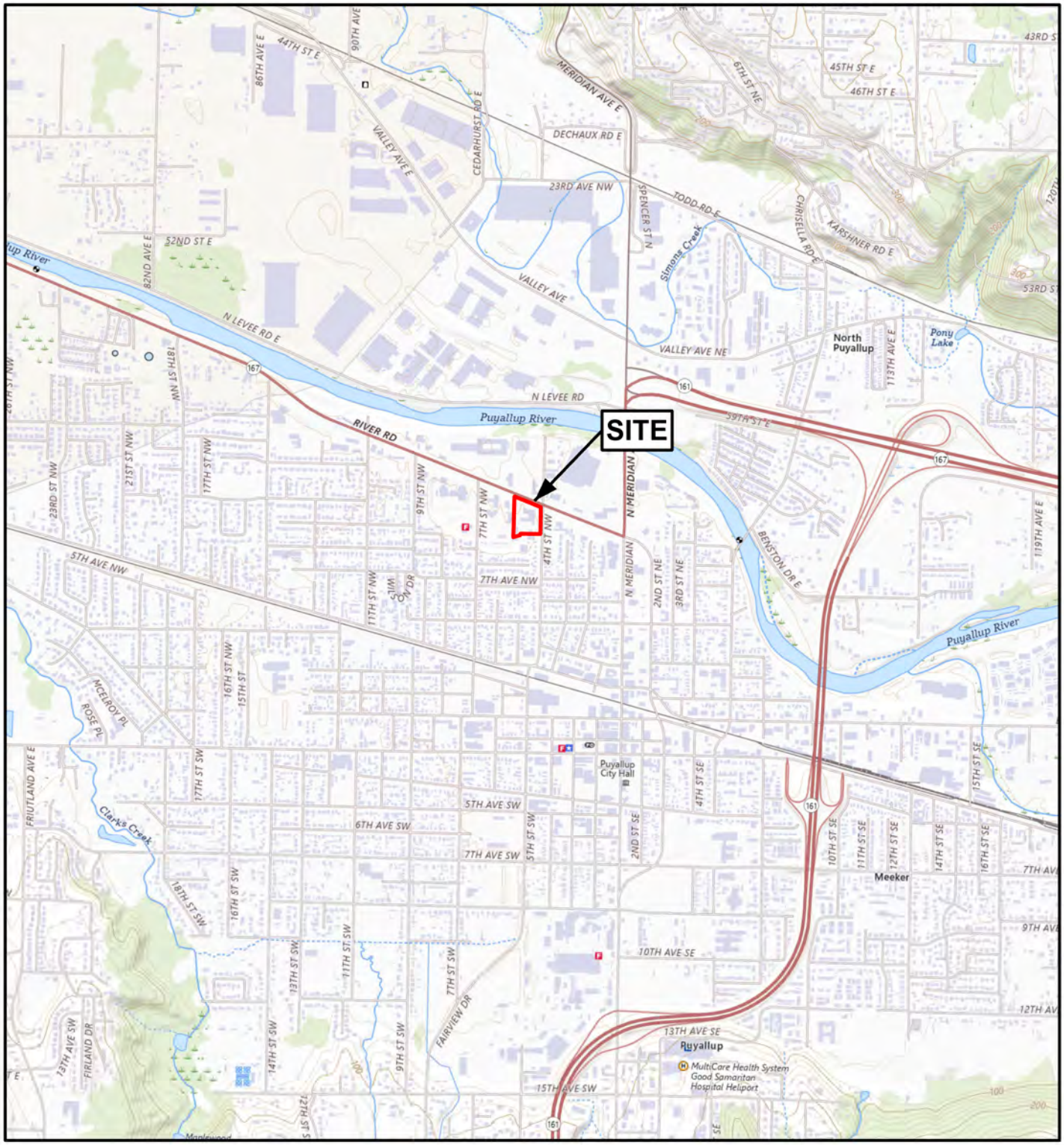
Notes:
[1] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated July 2024, for Vapor Intrusion Commercial Worker Sub-Slab Soil Gas Screening Levels.
Orange highlighting indicates concentration exceeds the Commercial Worker Cancer Screening Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Commercial Worker Noncancer and Cancer Screening Levels.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in micrograms per cubic meter (ug/m^3).
VOCs = volatile organic compounds
SSV-4 not analyzed due to no vacuum remaining at time of laboratory arrival
NE = not established; NA = not analyzed

Table 5
Summary of Indoor Air Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	South Service Bay	North Serivce Bay	Business Center	Regulatory Screening Levels	
Sample ID	IAS-1	IAS-2	IAS-3	Commercial Worker	
Sample Date	8/16/2024			Noncancer[1]	Cancer[1]
VOCs (8260D) ug/m^3					
Acetone	10	11	10	NE	NE
Chlorodifluoromethane	<0.53	0.84 J	<0.53	195,000	NE
Chloromethane	1.1 J	1.1 J	1.1 J	350	NE
Dichlorodifluoromethane	2.0 J	2.2 J	2.2 J	389	NE
1,1-Difluoroethane	3.8 J	<2.0	3.5 J	156,000	NE
Ethanol	510	130	470	NE	NE
Ethylbenzene	<0.32	2.7 J	0.44 J	3,890	NE
1-ethyl-4-methylbenzene	<0.30	9.9	1.4 J	NE	NE
n-Heptane	0.55 J	4.8	0.82 J	1,560	NE
Isopropyl alcohol	6.1	3.3	5.6	NE	NE
Methylene chloride	1.0 J	1.3 J	<0.40	2,340	1,170
Methyl ethyl ketone	0.73 J	0.91 J	<0.19	19,500	NE
Styrene	0.51 J	<0.24	<0.24	3,890	NE
Tetrachloroethene	0.87 J	<0.50	<0.50	156	44.9
Toluene	1.9 J	6.8	2.2	19,500	NE
Trichlorofluoromethane	1.1 J	1.6 J	1.7 J	2,730	NE
1,2,4-Trimethylbenzene	0.58 J	12	1.8 J	234	NE
1,3,5-Trimethylbenzene	<0.40	3.5 J	0.61 J	234	NE
m&p-Xylene	1.1 J	12	1.9 J	NE	NE
o-Xylene	<0.30	5.3	0.81 J	NE	NE
Total Xylenes	1.1 J	18	2.7 J	390	NE

Notes:
[1] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated July 2024, for Commercial Worker Indoor Air Screening Levels
Orange highlighting indicates concentration exceeds the Commercial Worker Cancer Screening Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Commercial Worker Noncancer and Cancer Screening Levels.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in micrograms per cubic meter (ug/m^3).
VOCs = volatile organic compounds
NE = not established; NA = not analyzed

Figures



N

0 2,000 4,000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

PUYALLUP, WASHINGTON 2023

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE

SITE LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 main

DATE: 10-8-24	REVISION NO: 0
JOB NO: SAI-413	FIGURE NO. 1

Path: S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-413 NWMS Puyallup\Additional Assessment 2024\Figures\SAI 413_Figure1.aprx USER: draburn

LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL LINE
- AST — ABOVEGROUND STORAGE TANK (AST)
- UST — FORMER UNDERGROUND STORAGE TANK (UST)
- ABOVEGROUND LIFT
- PW — PARTS WASHER
- S — SUMP
- OWS — OIL / WATER SEPARATOR

NOTES:

1. AERIAL IMAGERY OBTAINED FROM GOOGLE IMAGE SERVICES.
2. BASE DATA OBTAINED FROM PIERCE COUNTY GIS, 2024.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

SITE MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 main

DATE: 10-9-24	REVISION NO. 0
JOB NO. SAI-413	FIGURE NO. 2

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-413 NWMS Puyallup\Additional Assessment 2024\Figures\SAI-413_20241008.dwg, FIG 2, 10/9/2024 3:27:57 PM, drabuum

LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL LINE
- APPROXIMATE EXTENT OF BASEMENT
- SOIL BORING LOCATION

NOTES:

1. AERIAL IMAGERY OBTAINED FROM GOOGLE IMAGE SERVICES.
2. BASE DATA OBTAINED FROM PIERCE COUNTY GIS, 2024.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

SOIL BORING LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
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2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 main

DATE: 10-9-24	REVISION NO. 0
JOB NO. SAI-413	FIGURE NO. 3

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-413 NWMS Puyallup\Additional Assessment 2024\Figures\SAI 413_20241008.dwg, FIG 3, 10/9/2024 3:28:25 PM, drabum

LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL LINE
- APPROXIMATE EXTENT OF BASEMENT
- MONITORING WELL LOCATION

NOTES:

1. AERIAL IMAGERY OBTAINED FROM GOOGLE IMAGE SERVICES.
2. BASE DATA OBTAINED FROM PIERCE COUNTY GIS, 2024.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

MONITORING WELL LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
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2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 main

DATE: 10-9-24	REVISION NO. 0
JOB NO. SAI-413	FIGURE NO. 4

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-413 NWMS Puyallup\Additional Assessment 2024\Figures\SAI413_20241008.dwg, FIG 4, 10/9/2024 3:28:53 PM, drabum

LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL LINE
- APPROXIMATE EXTENT OF BASEMENT
- SUB-SLAB VAPOR MONITORING POINT LOCATION

NOTES:

1. AERIAL IMAGERY OBTAINED FROM GOOGLE IMAGE SERVICES.
2. BASE DATA OBTAINED FROM PIERCE COUNTY GIS, 2024.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE
SUB-SLAB VAPOR MONITORING
POINT LOCATION MAP

PROJECT
NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 main

DATE: 10-9-24	REVISION NO. 0
JOB NO. SAI-413	FIGURE NO. 5

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-413 NWMS Puyallup\Additional Assessment 2024\Figures\SAI-413_20241008.dwg, FIG 5, 10/9/2024 3:29:17 PM, drabum

LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL LINE
- APPROXIMATE EXTENT OF BASEMENT
- APPROXIMATE INDOOR AIR SAMPLE LOCATION
- APPROXIMATE INDOOR AIR SAMPLE LOCATION (IN BASEMENT)

NOTES:

1. AERIAL IMAGERY OBTAINED FROM GOOGLE IMAGE SERVICES.
2. BASE DATA OBTAINED FROM PIERCE COUNTY GIS, 2024.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

INDOOR AIR SAMPLE LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 main

DATE: 10-9-24	REVISION NO. 0
JOB NO. SAI-413	FIGURE NO. 6

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-413 NWMS Puyallup\Additional Assessment 2024\Figures\SAI-413_20241008.dwg, FIG 6, 10/9/2024 3:29:57 PM, drabum

Appendix A

Previous Assessment Reports

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Via Sharepoint

May 24, 2024

WADE
Toxics Cleanup Program
Department of Ecology
PO Box 47000
Lacey, Washington 98504-7600

Attn: Ms. Sarah Wollwage

Re: Expedited VCP Application
NWMS Puyallup
400 River Road
Puyallup, Washington
H&H Job No. SAI-413

Dear Ms. Wollwage:

Hart & Hickman, PC (H&H) on behalf of Sonic Automotive Inc. (Sonic), parent company of Northwest Motorsports (NWMS) is submitting the attached Remedial Investigation Report and Expedited Voluntary Cleanup Program Application for the Northwest Motorsports facility located at 400 River Road in Puyallup, Washington.

Please contact us if you have any questions or require additional information.

Sincerely,
Hart & Hickman, PC

Nathan O'Leary, PG, CHMM
Project Manager

2923 South Tryon Street, Suite 100
Charlotte, NC 28203
704.586.0007 main

3921 Sunset Ridge Rd , Suite 301
Raleigh, NC 27607
919.847.4241 main

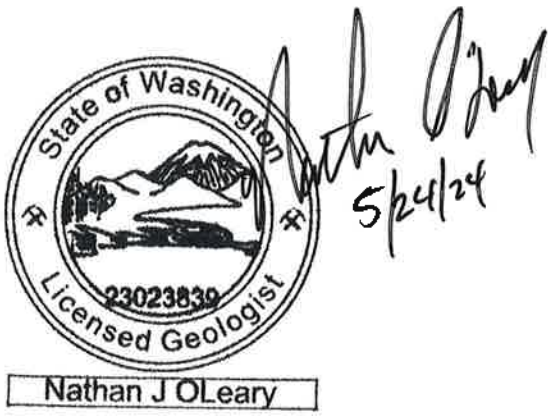
www.harthickman.com

REMEDIAL INVESTIGATION REPORT

H&H JOB NO. SAI-413
MAY 24, 2024

NORTHWEST MOTORSPORTS PUYALLUP

400 River Road
Puyallup, Washington



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3921 Sunset Ridge Road, Suite 301
Raleigh, NC 27607
919 847 4241

Remedial Investigation Report
Northwest Motorsports Puyallup
400 River Road
Puyallup, Washington
H&H Job No. SAI.413

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Remedial Investigation Report
Northwest Motorsports Puyallup
400 River Road
Puyallup, Washington
H&H Job No. SAI.413

1.0 Introduction

Hart & Hickman, PC (H&H) has prepared this Remedial Investigation Report on behalf of EP Realty WA LLC, a subsidiary of Sonic Automotive, Inc. (Sonic), for the Northwest Motorsports Puyallup facility located at 400 River Road in Puyallup, Pierce County, Washington (Site or subject Site). A Site location map is provided as Figure 1 and a Site map is provided as Figure 2.

The purpose of the Remedial Investigation (RI) was to collect additional data to further characterize the nature and extent of impacts at the Site. To address environmental concerns associated with the Site, Sonic entered the Site into the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) in February 2024. Currently, the VCP Application is pending and no VCP Identification No. has been assigned. The RI activities documented herein were conducted in general accordance with Washington State Model Toxics Control Act (MTCA) Cleanup Regulation as established in Chapter 173-340 of the Washington Administrative Code (WAC).

1.1 Project Contacts

Current Owner

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EP Realty WA LLC
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Charlotte, North Carolina 28211
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tim.hallice@sonicautomotive.com

Environmental Consulting Firm

Mr. Nathan O'Leary, PG, CHMM
Hart & Hickman, PC
2923 South Tryon Street, Suite 100
Charlotte, North Carolina 28203
(704) 586-0007
noleary@harthickman.com

Ecology Site Manager

Pending/TBD

2.0 General Site Information

The Site is comprised of three parcels of land totaling approximately 3.9-acres (Parcel IDs 0420214807, 0420214014, and 0420281170) located southwest of the intersection of River Road and 4th Street NW. The Site is improved with three commercial buildings that are currently occupied by Northwest Motorsports (NWMS) for automotive and motorsport vehicle sales and service operations. The main Site building consists of an approximately 17,000-square foot (sq ft) two-story automotive dealership building that includes showrooms, offices, parts storage, and two service garages (identified as North and South Shops). An approximately 3,800-sq ft office building with basement-level service/wash bays is located in the southern portion of the Site, and an approximately 3,700-sq ft service and tire shop is located in the southwestern portion of the Site. Additional improvements include asphalt-paved parking, covered wash bays, and perimeter fencing. The entire Site is covered by buildings or asphalt-pavement.

The subject Site is located within a commercial corridor along River Road, approximately one-mile north of downtown Puyallup. The Site and surrounding properties to the west, south, and east are zoned General Commercial (CG). Surrounding properties to the north (beyond River Road) are zoned River Road Mixed Use (RMX). The anticipated future land use of the Site is expected to remain commercial, and no significant changes in zoning are expected to occur.

2.1 Current and Historical Site Use

Historical topographic maps from the early 1940s indicate that the Site contained one small structure or residence and wooded land. By the early 1950s, the small structure was removed and portions of the existing main dealership building were constructed, including the North Shop. By 1968, several building additions were completed that included construction of the South Shop.

The Site has been used for automotive sales and service activities since the early 1950s and has operated under various names since that time. Previous Site occupants have included Grant's Chevrolet in the 1950s and 1960s, Service Chevrolet in the 1970s through the mid-1980s, Ken

Parks Chevrolet in mid-1980s through the mid-1990s, Puyallup Chevrolet in the mid-1990s through the early 2000s, and Friendly Chevrolet in the 2000s through the early 2010s. NWMS has operated at the Site since 2011.

Routine automotive maintenance and repair operations include the use of petroleum products and the generation of various waste fluids (e.g., used motor oil, used antifreeze, spent degreasers, etc.) that require special management and disposal. In addition, historical automotive service operations commonly included the use of various chlorinated solvents as degreasers, which if released have the potential to persist in the environment.

Automotive sales and service activities at the Site historically included the use of in-ground hydraulic lifts and the operation of four underground storage tanks (USTs). The in-ground hydraulic lifts were located within the north and south shops, and were decommissioned and removed in 1987 and 2004 (Partner, 2013). Two waste oil USTs (reportedly 500-gallon and 650-gallon in capacity) were situated within a single tank basin located outside the southern exterior wall of the South Shop, and were removed in 1996 and 2004, respectively. One 5,000-gallon gasoline UST was located south of the dealership building and was removed in 1996. Subsequent sampling was performed at the former gasoline UST location in 2003, and approximately 26 tons of petroleum-impacted soil was reportedly excavated from this location (Robinson Noble, 2016). Additionally, one 500-gallon heating oil UST, located southeast of the dealership building, was closed-in-place in 1996. Current Site operations include the use of aboveground hydraulic lifts and aboveground storage tanks (ASTs).

2.2 Topographic Setting

The Site is located approximately 1,200 ft south of the Puyallup River, in an area of relatively flat topography. The Site ranges in elevation from approximately 40 ft above mean sea level (msl) along River Road to the north and 4th Street NW to the east, to approximately 35 ft msl near the southwestern portion of the Site.

2.3 Geologic and Hydrogeologic Setting

The Site is located within the Puyallup River Valley of the Puget Lowland physiographic region of Washington (Schuster, 2005). The Puget Lowland region is a wide low-lying area between the Cascade Range to the east and Olympic Mountains to the west. The Site is underlain by Quaternary-aged alluvium deposited by the Puyallup River during a number of glacial episodes (Jones, 1999). Alluvium deposition occurred during glacial advances and retreats, which created the region's subsurface conditions. Outwash sediments were deposited by rivers, streams, and post-glacial lakes during the glacial episodes. Regionally, these sediments generally consist of interlayered and/or sequential deposits of alluvial clays, silts, and sands situated over deposits of glacial till (commonly consisting of silty sand to sandy silt with gravels).

Soil encountered beneath the Site during the RI generally consisted of well graded sands and clayey sands to depths of approximately 10 feet below ground surface (ft bgs), which are underlain by poorly graded sands and gravels to approximately 22 ft bgs, and followed by a stiff silt layer to depths of up to 25 ft bgs, the greatest depth encountered during the assessment activities.

According to the *Geologic Framework for the Puget Sound Aquifer System*, the Site is underlain by the Puyallup River aquifer (Jones, 1999). Groundwater within the upper Puyallup River aquifer occurs primarily within alluvial deposits and glacial outwash deposits, and is generally unconfined. The depth of this upper alluvial aquifer unit is typically less than 100 ft thick, but can exceed 240 ft thick along the Puyallup River (Welch et al., 2015). The Puyallup River, located approximately 1,200 feet north of the Site at its closest point, exerts regional control on groundwater flow within the shallow or uppermost groundwater bearing unit, with flow being towards the river (north) and its downgradient (northwesterly) direction.

During the RI, groundwater was encountered at depths ranging from approximately 11 ft below top of casing (BTOC) south of the dealership building to approximately 18 ft BTOC along street level to the north and east of the dealership building. The primary flow direction of shallow

groundwater measured in the Site wells during the RI was to the north towards the Puyallup River, which is consistent with area topography.

2.4 Summary of Previous Assessment Activities

Copies of the reports summarized below are provided in Appendix A.

2.4.1 UST Decommissioning Project

Environmental Management Service, LLC (EMS) completed UST and in-ground hydraulic lift removal activities at the Site in April 2004 (EMS, 2004). The report documents the removal of one 650-gallon waste oil UST located along the south exterior wall of the South Shop and one two-piston in-ground hydraulic lift from the interior of the South Shop. The 650-gallon waste oil tank reportedly replaced an older waste oil tank in the same location that was removed in 1987. Following the UST and lift removals, impacted soils were excavated for off-Site disposal, and soil samples were collected from the excavation sidewalls and bases for laboratory analysis of diesel and oil-range petroleum hydrocarbons. Analytical results did not indicate impacts above the MTCA cleanup levels. The Tacoma-Pierce County Health Department issued a No Further Action (NFA) letter for the 650-gallon waste oil UST in September 2004.

2.4.2 Focused Phase II Subsurface Investigation

The Riley Group, Inc. (Riley Group) evaluated soil and groundwater conditions at an oil/water separator (OWS) located along the southern Site boundary in April 2011 (Riley Group, 2011). The assessment included the advancement of one soil boring along the OWS influent line. Shallow groundwater was reported in the boring at approximately 11 ft bgs. Two soil samples and a grab groundwater sample were collected from the boring for laboratory analysis of TPH and VOCs. Laboratory analytical results did not indicate the presence of analyzed compounds at concentrations above laboratory reporting limits.

2.4.3 Previous Phase I Environmental Site Assessments

Previous Phase I Environmental Site Assessments (ESAs) were completed by others in 2013, 2016, and 2020 (Partner, 2013; Robinson Noble, 2016; and AECOM, 2020). The previous Phase I ESA reports summarize a prior Phase II ESA completed at the Site by Encore Environmental (Encore) in 2003. Encore reportedly advanced 18 borings across the Site to evaluate the potential for impacts associated with 11 former and one active in-ground hydraulic lift locations, a former gasoline UST (removed in 1987), a closed-in-place heating oil UST, storm drains, and an adjacent off-Site property. One soil sample and one groundwater sample (if encountered) was collected from each of the borings for laboratory analysis of gasoline, diesel, and/or oil-range TPH and VOCs.

Soil analytical results from the 2003 Encore assessment indicated the presence of xylenes near the former gasoline UST basin and TPH-DRO/TPH-GRO near the 650-gallon waste oil UST at concentrations above the MTCA Model A soil screening levels. No other compounds were detected in the soil samples above MTCA Model A soil screening levels, and no analytes were detected in the groundwater samples collected. EMS reportedly conducted excavation activities in the vicinity of the former gasoline UST in September 2003 resulting in the removal and disposal of approximately 26 tons of petroleum-impacted soil (Partner, 2013). Soil impacts associated with the former 650-gallon waste oil UST were removed during UST closure activities conducted by EMS in April 2004 (as discussed above in Section 2.4.1). Confirmation samples collected by EMS from the sidewalls and bases of the UST excavations did not indicate residual impacts above MTCA Method A cleanup levels.

Based on the results of the Phase I ESA activities, the following environmental concerns were identified in connection with the Site:

- The long-term use of the Site for automotive repair and service activities dating back to the 1950s;
- An OWS with aboveground skimmer that services a wash bay in the southern portion of the Site;

- Former in-ground hydraulic lifts in the service departments;
- A catch basin located adjacent to the southeast corner of the main dealership building, which is pumped to another catch basin located within close proximity during significant rain events; and
- Surrounding properties used for automotive sales and service activities, including the property to the east, which was identified as a gas station in the early 1970s.

2.4.4 Phase II ESA

H&H completed a Phase II ESA at the subject Site in October 2021 (H&H, 2021). During the on-Site activities, H&H on the southern portion of the Site adjacent to a metal scrap bin located between the shops (SB-4), and in the central portion of the South Shop (SB-3) and North Shop (SB-5). Based on field screening results, H&H collected one soil sample from each boring for laboratory analysis of VOCs, polynuclear aromatic hydrocarbons (PAHs), and TPH by Northwest Volatile Petroleum Products (NWTPH) Method.

Laboratory results indicated the presence of tetrachloroethene (PCE) in the soil samples collected from SB-3 (1.3 mg/kg) and SB-5 (1.8 mg/kg) at concentrations above the MTCA Method A cleanup level of 0.5 mg/kg. Additionally, TPH residual oil-range organics (TPH-RRO) was detected in soil sample SB-5 at a concentration of 4,900 mg/kg which is above the MTCA Method A cleanup level of 2,000 mg/kg. No other compounds or TPH fractions were detected in the soil samples at concentrations above MTCA Method A cleanup levels.

3.0 Remedial Investigation

H&H completed RI activities at the Site between October 3 and 7, 2022. H&H contracted with Steadfast Services Northwest, LLC (Steadfast), a licensed Washington drilling contractor, to provide environmental drilling services during the assessment. The RI activities included the collection of soil, groundwater, and sub-slab soil gas samples for laboratory analysis. A brief summary of the RI activities documented herein is provided below.

- Advancement of seven soil borings around and within the North and South Shops to further delineate impacts within, and adjacent to, the service areas;
- Conversion of six of the soil boring locations to shallow permanent monitoring wells; and
- Installation of eight sub-slab vapor points within the service areas, showroom floor, office areas, and parts storage areas of the main building, as well as within the basement level of the southern office building.

Prior to conducting field activities, H&H contacted Washington 811, the public utility locating service, to mark subsurface utilities located on the Site. H&H also contracted with Ground Penetrating Radar Systems, LLC (GPRS), a private utility locator, to screen proposed boring locations for subgrade utilities which were not identified by the public locator, using ground penetrating radar (GPR) and electromagnetic (EM) scanning methods. In addition, in areas where surface conditions allowed, a decontaminated stainless-steel hand auger was advanced to a depth of approximately 5 ft bgs prior to utilizing mechanical drilling equipment at each boring location to clear the boring of potential subsurface utilities.

3.1 Soil Assessment

H&H advanced seven (7) soil borings (SB-6 through SB-12) within and surrounding the service shops. At each boring location, a concrete core drill was used to penetrate the concrete slab. The soil boring locations are depicted on Figure 3 and are described below:

- Soil boring SB-6 was advanced inside the Southern Shop, near the location of previous

soil sample SB-3, where an elevated concentration of PCE was detected in the subsurface.

- Soil borings SB-7, 8, 10, and 11 were advanced generally surrounding the shops to the east, west, north, and south, respectively.
- Soil boring SB-9 was advanced immediately outside of the North Shop, near the location of previous sample SB-5, where elevated PCE and TPH-RRO concentrations were detected in the subsurface. Please note that SB-5 was moved outside of the North Shop due to low ceiling constraints within that portion of the Shop that prevented drill rig access.
- Soil boring SB-12 was advanced inside the western portion of the North Shop.

At each soil boring location, the initial 5 ft was advanced with a decontaminated stainless-steel hand auger to clear for subsurface utilities. Beyond the initial 5 ft, soil borings were advanced with a track-mounted direct push technology (DPT) drill rig to 10 ft bgs. During boring advancement, soil was recovered in 5-ft cores using an acetate sleeve-lined Macro-Core® sampler or in approximate one-ft intervals from the hand auger bucket. The recovered soil was logged for lithological description and field screened for indications of potential impacts by visual observation of staining and the presence of organic vapors using a calibrated photoionization detector (PID). Based upon field screening results, H&H collected one soil sample from each boring for laboratory analysis. Field screening results did not indicate the likely presence of significant impacts at the boring locations, and PID readings for each boring were less than 5 parts per million by volume (ppm-v). Soil boring logs including lithological descriptions and field screening results are provided in Appendix B.

Soil samples selected for laboratory analysis were placed directly into dedicated laboratory supplied sample containers, labeled with the sample identification, date, and requested analysis, and placed in a laboratory supplied cooler with ice. The soil samples were submitted to Eurofins, USA (Eurofins) – Spokane, a Washington-certified laboratory under standard chain of custody protocols for analysis of VOCs by EPA Method 8260D, PAHs by EPA Method 8270E, and TPH by the NWTPH Method. For quality assurance/quality control (QA/QC) purposes, one duplicate soil sample (labeled DUP-1) was collected from soil boring SB-12.

Following the soil sampling activities, any soil boring which was not converted into a monitoring well was properly abandoned and the surface was patched. Additionally, the horizontal locations of the soil borings were estimated using a sub-meter global positioning system (GPS) unit.

3.2 Groundwater Assessment

To evaluate the potential for impacts to groundwater associated with historical Site operations, six (6) shallow Type II monitoring wells (MW-1 through MW-6) were installed at the Site. Upon completion of the advancement of each soil boring, with exception of SB-12, the DPT boreholes were over-drilled using 4.25" inner diameter hollow stem auger (HSA) methods. The HSAs were advanced to the terminal depths reached during the DPT activities and the monitoring well was installed. The locations of the monitoring wells are shown on Figure 4, and a potentiometric surface map is provided as Figure 5.

The monitoring wells are constructed with 2-inch diameter PVC casing with 15 ft of 0.010-inch slotted well screen set to bracket the shallow water table. A sand filter pack was placed around the well screen in the borehole annulus and extended to approximately two ft above the top of the well screen. A bentonite seal was placed above the sand pack and hydrated. The remaining portion of the borehole annulus was filled with cement grout to grade. The wells were completed with a lockable steel flush-mount cover set inside a two ft by two ft concrete pad. Well construction information is summarized in Table 2. Well construction records are provided in Appendix B.

Following installation, the six monitoring wells were developed by the drilling contractor to remove fine suspended colloidal material and improve the hydraulic connection between the aquifer and screened interval. At least 24 hours after development of the new monitoring wells occurred, H&H purged each of the wells using low flow/low stress techniques until the field parameters of pH, conductivity, temperature, and turbidity stabilized.

H&H collected groundwater samples for laboratory analysis on October 6 and 7, 2022 using low

flow purging techniques with a peristaltic pump and dedicated polyethylene tubing. Samples for VOC analysis were collected using the "soda-straw" method. The intake point of the pump tubing was placed in the approximate mid-portion of the submerged well screen. During purging, field measurements of pH, specific conductivity, temperature, dissolved oxygen (DO), and oxidation reduction potential (ORP) were measured with a YSI Pro Plus water quality meter equipped with a flow-through cell, and turbidity was measured using a Hach 2100Q turbidity meter. Water levels were measured during the purging process to ensure the pump rate did not cause significant drawdown of the water column, and samples were collected following stabilization of field parameters and when turbidity readings were below 10 nephelometric turbidity units (NTUs), when possible. Copies of the groundwater sampling forms are provided in Appendix C.

The groundwater samples were collected directly into laboratory supplied sample containers, labeled with the sample identification, date, and requested analysis, placed in a laboratory supplied cooler with ice, and shipped via courier under chain-of-custody protocol to Eurofins. Groundwater samples were collected from all six of the newly installed wells for laboratory analysis of VOCs by EPA 8260D, PAHs by EPA Method 8270E, and TPH by the NWTPH Method. For QA/QC purposes, one duplicate groundwater sample (labeled DUP-1) was collected from monitoring well MW-4.

3.3 Sub-Slab Vapor Assessment

To evaluate the potential for structural vapor intrusion at the Site, H&H installed eight (8) interior sub-slab vapor sampling points (SSV-1 through SSV-8) below the existing slabs within the main dealership building and southern office building. Note that due to access restrictions associated with the collection of samples from inside an active automotive service facility during business hours and time constraints of the project, sub-slab vapor samples were only collected for laboratory analysis from three (3) of the eight (8) sub-slab vapor points during the October 2022 RI activities. Sub-slab soil vapor samples were collected from the showroom floor (SSV-1), customer lounge (SSV-4), and parts department (SSV-7) of the main dealership building. The sub-slab vapor point locations are shown on Figure 5.

The sampling points were installed using a rotary hammer drill and 1½-inch diameter drill bit to advance a pilot hole into the concrete slab to a depth of approximately 1¾ inches below the surface. A drill guide was then placed in the pilot hole, and a 5/8-inch diameter drill bit was utilized to advance the boring through the concrete slab and approximately 6 inches into the underlying soil. Following concrete borehole advancement, loose concrete cuttings were removed from each boring, and a Cox-Colvin Vapor Pin™ (vapor pin) assembly (brass sampling point and silicone sleeve) were seated in the borehole using an installation/extraction tool and dead blow hammer.

Each sub-slab vapor sample was collected utilizing a laboratory supplied batch-certified 1-liter Summa® canister connected to an air-flow regulator calibrated by the laboratory to collect the soil gas sample at a rate of no greater than approximately 100 milliliters per minute (mL/min). Prior to collection of the soil gas samples, "shut-in" tests were conducted on the sampling train and helium leak checks were conducted at each soil gas sampling point. A description of the shut-in test and helium leak testing procedures is provided below.

The shut-in test was conducted by connecting the flow regulator with the vacuum gauge to the Summa® canister and sealing the flow regulator with the laboratory provided brass cap. Once the sampling train was "closed", the sample valve on the Summa® canister was opened and the reading on the vacuum gauge was recorded. The Summa® canister sample valve was then closed and the vacuum gauge was observed to ensure no vacuum loss occurred. If the vacuum reading remained the same for at least 30 seconds, the shut-in test was considered successful, and the regulator and Summa® could be used for sampling. If vacuum loss occurred, the flow regulator and/or brass cap was removed and re-seated and the shut-in test was repeated until the vacuum reading remained stable.

Following the shut-in test, the Summa® canister was connected to the sample point via Teflon® sample tubing using a brass nut and ferrule assembly to create an airtight seal and a leak check was performed. The leak check was performed by constructing a shroud over the sampling train and flooding the shroud with helium gas. Helium concentrations inside the shroud were

measured using a helium gas detector and maintained at concentrations of approximately 20%. Once helium concentrations stabilized within the shroud, the sample tubing was purged outside of the shroud using an air pump and a three-way valve to collect purged soil gas into a Tedlar® bag. The purged soil gas was then analyzed using the helium gas detector to ensure that helium concentrations in the soil gas sample were less than 5% of the helium concentrations measured within the shroud. Each soil gas sampling point passed the helium leak check criteria. Soil gas sampling forms completed by field personnel are included in Appendix C.

Following successful leak checks, the sub-slab vapor samples were collected by opening the intake valve on the Summa® canister. Vacuum readings on the Summa® canister were recorded prior to and following the sampling period to ensure adequate sample volume was collected. A vacuum of approximately 5 inches of mercury or more was maintained within the canisters at the conclusion of the sampling event.

Following sample collection, the Summa canisters were shipped to Pace Analytical (Pace) under standard chain-of-custody protocols for analysis of VOCs by EPA Method TO-15. Upon receipt of the samples, the laboratory recorded the final received vacuum pressure for each Summa canister which is documented in the laboratory analytical report provided in Appendix C.

Following collection of the sub-slab vapor samples, the vapor pins were left in place and secured under a stainless-steel flush-mounted cap. The sub-slab vapor sample locations were estimated by measuring from known benchmarks within the facility (e.g., doors, windows, exterior walls, etc.), and are shown on Figure 5.

3.4 Investigation Derived Waste

Investigation derived waste (IDW) including soil cuttings, purge water, and decontamination fluids were containerized in 55-gallon drums and staged in a secure location on-Site. Six drums of soil, one drum of purged groundwater, and one drum of decontamination water were generated during the assessment activities. The IDW profile is being prepared and the IDW drums will be disposed of at an off-Site permitted facility in the near future. Based on the RI

assessment results, the drums can be disposed of as non-hazardous waste.

4.0 Remedial Investigation Results

4.1 Soil Analytical Results

A tabular summary of the soil sample laboratory analytical results is provided as Table 1, and a copy of the laboratory analytical report and chain of custody record is included as Appendix C. Soil analytical results were compared to Washington's MTCA Method A Soil Cleanup Levels (SCLs) for unrestricted and industrial/commercial use, and the Protection of Groundwater [Vadose Zone] (POG-SCLs) dated February 2024 (CLARC 2024). A discussion of the soil laboratory analytical results is provided below. Laboratory analytical reports are provided in Appendix D.

VOCs

Laboratory analytical results indicate the presence of methylene chloride in the soil sample collected from soil boring SB-6 (South Shop) at an estimated concentration of 0.82 mg/kg, which is above the Method A unrestricted and commercial/industrial SCLs of 0.02 mg/kg, and the POG-SCL of 0.22 mg/kg. Note that methylene chloride, a common laboratory contaminant, was also detected in the blank sample associated with SB-6, and the laboratory control sample result was outside of the acceptable range indicating that the SB-6 sample results may be biased high. As such, the methylene chloride detection reported in soil sample SB-6 may not be representative of actual soil conditions at the Site.

No other VOCs were detected during the October 2022 soil assessment at concentrations above the MTCA screening levels.

PAHs

Analytical results do not indicate the presence of PAHs in the collected soil samples at concentrations above the MTCA screening levels. Several PAHs were detected at trace levels in the soil samples collected east (SB-8) and south (SB-11) of the service shops.

TPH

Analytical results indicate that TPH was not detected in the soil samples at concentrations above the MTCA screening levels. TPH-GRO, DRO, and RRO were detected in SB-8 (east of service shops) at concentrations above the laboratory method detection limits, but below their respective MTCA screening levels. No other TPH fractions were detected in the soil samples collected during the additional assessment activities.

4.2 Groundwater Flow and Hydraulic Gradient

The monitoring well top of casing (TOC) elevations were professionally surveyed by Sadler Barnard & Associates, Inc. of Puyallup, Washington on September 11, 2023. The monitoring wells were surveyed for elevation, northing, and easting using the North American Vertical Datum of 1988 and Washington State Plan Coordinate System of 1983/2011. A summary of TOC data, well construction, and groundwater elevation data is provided in Table 2.

A shallow aquifer potentiometric map generated from the October 7, 2022 depth to water measurements is provided as Figure 6. As indicated on Figure 6, the primary direction of shallow groundwater flow at the Site is to the north-northeast towards the Puyallup River, which is consistent with area topography. The calculated hydraulic gradient across the Site is approximately 0.001 feet per foot (ft/ft).

4.3 Groundwater Analytical Results

A tabular summary of the soil sample laboratory analytical results is provided as Table 3, and a copy of the laboratory analytical report and chain of custody record is included as Appendix C. Groundwater analytical results were compared to Washington's MTCA Method A Groundwater Cleanup Levels (GCLs) dated February 2024 (CLARC 2024).

VOCs

Laboratory analytical results did not indicate the presence of VOCs in the groundwater samples at concentrations above laboratory method detection limits.

PAHs

Analytical results do not indicate the presence of PAHs in the groundwater samples at concentrations above laboratory method detection limits.

TPH

Analytical results do not indicate the presence of TPH in the groundwater samples at concentrations above the MTCA screening levels. Low levels of TPH (primarily TPH-GRO) were detected in several of the groundwater samples collected at the Site at concentrations below the MTCA screening levels.

4.4 Sub-Slab Vapor Analytical Results

A tabular summary of the sub-slab vapor sample laboratory analytical results is provided as Table 4, and a copy of the laboratory analytical report and chain of custody record is included as Appendix C. Sub-slab vapor analytical results were compared to Washington's MTCA Method B Soil Gas Screening Levels (SSGLs) for carcinogenic and non-carcinogenic effects dated February 2024 (CLARC 2024).

Laboratory analytical results indicate that no VOCs were detected in the sub-slab soil gas samples at concentrations above the MTCA Method B screening levels. Multiple low-level VOCs were detected in the sub-slab vapor samples at concentrations above laboratory method detection limits, but below the MTCA Method B screening levels.

4.5 Vapor Intrusion Evaluation

H&H utilized the EPA Vapor Intrusion Screening Level (VISL) Calculator (June 2023 Version) assuming a commercial land use scenario to further evaluate potential cumulative risks for the soil gas to indoor air vapor intrusion pathway associated with the existing auto dealership building. To model the potential for vapor intrusion under a hypothetical "worst-case" scenario, H&H conservatively calculated the cumulative risks using the highest compound concentrations

detected in any sub-slab vapor sample to model hypothetical "worst-case" risks from the sub-slab soil gas to indoor air vapor intrusion pathway under a commercial use scenario.

Vapor intrusion mitigation or additional assessment is not typically warranted if the calculated cumulative lifetime incremental carcinogenic risk (LICR) is 1×10^{-4} or less and the acceptable level for non-carcinogenic risk is a calculated cumulative hazard index (HI) of 1.0 or less.

Copies of the calculations are provided in Appendix D and a summary of the calculated LICR and HI values for a cumulative worst-case scenario is provided below:

Evaluation Area	Land Use Scenario	Calculated Cumulative LICR	Calculated Cumulative HI	Exceedance of Acceptable Levels?
Dealership Building – Worst Case	Commercial	1.94×10^{-8}	0.00898	No

As shown in the table above, risk calculator results indicate that under a hypothetical worst-case scenario for the sub-slab soil gas to indoor air vapor intrusion pathway for commercial use, the cumulative LICR and the cumulative HI are within acceptable threshold limits. Based on the results of the risk calculations, sub-slab soil gas concentrations identified within the interior of the existing main dealership building do not pose an unacceptable risk to Site users under the current commercial exposure scenario.

5.0 Preliminary Conceptual Site Model

Based upon the collective results of the RI activities and previous investigations, H&H has prepared a preliminary Conceptual Site Model (CSM) for the Site. The primary CSM provides a framework of the current understanding of the Site conditions and is used for a basis for developing technically feasible cleanup action alternatives and selecting a final cleanup action in accordance with MTCA regulations.

5.1 Media and Contaminants of Concern

Soil

Based on the results of previous assessment, the following primary contaminants of concern (COCs) have been identified in soil at the Site at concentrations above applicable MTCA Method A screening levels:

- PCE; and
- TPH-RRO (C25 – C36).

PCE was detected at concentrations up to 1.8 mg/kg in two shallow soil samples (ranging in depth from 1 to 3 ft bgs) that were collected from the interior of the North and South Shops. Additionally, TPH-RRO was detected in one shallow soil sample (1 to 2 ft bgs) collected from the North Shop at a concentration of 4,900 mg/kg.

Groundwater

The results of previous groundwater assessment did not identify impacts to groundwater at the Site at concentrations above MTCA Method A screening levels.

Soil Gas

The results of previous soil gas assessment did not identify the presence of VOCs in sub-slab vapor samples collected from the interior of the existing main dealership building at concentrations above MTCA Method B vapor intrusion screening levels.

5.2 Confirmed and Suspected Sources

The presence of PCE and TPH-RRO in shallow soil located below the poured-concrete slab floors of the automotive service shops does not appear to be the result of a singular event. Rather, the presence of these compounds in shallow soil at the Site appears to be the result of the use of petroleum products and PCE-containing substances during routine automotive maintenance and repair activities over time. The North and South Shops have been in operation since at least the late-1950s and late-1960s, respectively.

No primary Site COCs were detected in the additional soil samples or in the groundwater samples collected during the RI. As such, the extent of COC impacts at the Site appears to be limited to soil immediately underlying the automotive service shops.

5.3 Exposure Pathways and Potential Receptors

This section discusses potential human health and ecological exposure pathways identified for the Site with the goal of applying the findings to the development of potentially feasible remedial alternatives. Possible receptors include those who visit or work on the Site, including wildlife.

5.3.1 Soil-to-Groundwater Pathway

PCE was not detected in the groundwater samples collected from the six monitoring wells installed and sampled as part of the October 2022 RI activities. TPH-RRO was detected in one groundwater sample collected from MW-3 located south of the South Shop at an estimated concentration below the MTCA Method A screening level. TPH-RRO was not detected in any other groundwater samples collected during the October 2022 RI activities. Based on the absence of PCE in groundwater and the limited low-level presence of TPH-RRO in groundwater at the Site, the current soil-to-groundwater pathway appears to be incomplete. However, because PCE has been detected in soil at concentrations above the MTCA Method A Protection of Groundwater (Vadose Zone) screening level, the soil-to-groundwater pathway could be completed in the future through direct leaching of COCs in Site soil to Site groundwater.

However, because the detections of PCE are below an existing building, stormwater and other precipitation likely does not come in contact with the impacted soil which minimizes the potential for PCE to leach to groundwater.

5.3.2 Direct-Contact Pathway

Soil impacts identified at the Site appear to be limited to shallow soils immediately underlying the concrete floors of the service shops. The concrete floor slabs that cover the entire extent of the service departments, are approximately 6-inches thick, and act as a barrier to limit direct-contact with the impacts to soil. Being that the entire Site is capped with buildings and paved parking lots, the direct-contact exposure pathway (i.e., incidental ingestion and dermal contact) under the current Site conditions appears to be incomplete based on the presence of physical barriers to exposure.

5.3.3 Air/Soil Vapor Pathway

The RI included the collection of three sub-slab soil gas samples from below the existing main dealership building. The results of the sub-slab vapor sampling did not indicate the presence of compounds at concentrations above the MTCA Method B vapor intrusion screening levels. Because soil gas concentrations directly below the building were found to be below MTCA Method B screening levels, the vapor intrusion exposure pathway to the dealership building is considered incomplete. However, additional soil vapor samples may be needed to fully evaluate this pathway.

5.4 Proposed Cleanup Standards

This section presents the proposed preliminary cleanup levels and points of compliance for the COCs in soil at the Site. In accordance with WAC 173-340-700, the cleanup levels may be refined as additional information is collected. Final proposed cleanup levels for Site COCs will be presented to and approved by Ecology as part of the development of the cleanup action alternatives selected for the Site.

5.4.1 Points of Compliance

In accordance with MTCA, the point of compliance for direct contact with soil extends to 15 ft bgs, based on a reasonable maximum depth of excavation and assumed placement of excavated soils at the surface where contact occurs. For soil cleanup levels based on leaching to groundwater and the protection of surface water, the soil point of compliance is all depths, above and below the water table. The point of compliance for soil is defined as all soil at the Site where COCs have been detected at concentrations above MTCA soil cleanup levels.

5.4.2 Preliminary Cleanup Levels

The proposed cleanup levels are the concentrations of COCs that are to be met for each medium of concern at the points of compliance defined for the Site. MTCA Method A cleanup levels for Unrestricted or Industrial/Commercial land use are appropriate for COCs in soil and groundwater at the Site. MTCA Method B soil gas screening levels for carcinogenic and non-carcinogenic effects are appropriate for COCs in soil gas at the Site.

PCE and TPH-RRO in soil are the only compounds that have been identified at the Site at concentrations above MTCA Method A cleanup levels.

6.0 Summary and Conclusions

H&H completed RI activities at the Northwest Motorsports Puyallup facility located at 400 River Road in Puyallup, Pierce County, Washington. The RI activities were completed between October 3 to 7, 2022, and included the collection of soil, groundwater, and sub-slab soil gas samples for laboratory analysis. Based on the results of previous assessment activities, including the October 2022 RI assessment activities, H&H has concluded the following:

- PCE is present at concentrations above MTCA Method A cleanup levels in shallow soil underlying the North and South Shops. The PCE impacts appear to be limited in extent and have not been identified in soil outside of the service areas or in groundwater at the Site.

- TPH-RRO is present at a concentration above MTCA Method A cleanup levels in shallow soil underlying the North Shop. No other soil samples collected at the Site by H&H contained TPH-RRO at concentrations above MTCA Method A cleanup levels. TPH-RRO was detected in one monitoring well located south of the South Shop at a low-level estimated concentration below the MTCA Method A screening level.

- The presence of PCE and TPH-RRO in shallow soil located below the concrete slab floors of the automotive service departments appear to be the result of the use of PCE-containing substances and petroleum products during routine automotive maintenance and repair activities over time. The North and South Shops have been in operation since at least the late-1950s and late-1960s, respectively.

- No primary Site COCs were detected in the additional soil samples or in the groundwater samples collected during the RI. As such, the extent of COC impacts at the Site appears to be limited to soil immediately underlying the automotive service shops.

Apart from the leaching to groundwater pathway, no other exposure pathways appear to be complete at the Site based on the currently available data. However, additional sub-slab vapor

assessment may be needed to further evaluate this pathway. Although the soil leaching to groundwater pathway is considered complete, impacted soil considered capped due to the presence of building slabs and the minimal pervious surfaces present at the Site which minimizes the potential for impacts to migrate to groundwater.

7.0 References

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Tables

Table 1
Summary of Soil Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	Wash Bay Drain	OWS	South Shop Aboveground Lift	Metal Scrap Bin	North Shop Aboveground Lift	South Shop Aboveground Shop	East of North & South Shops	Regulatory Screening Levels		
Sample ID	SB-1 (2-3)	SB-2 (4-5)	SB-3 (2-3)	SB-4 (2-3)	SB-5 (1-2)	SB-6 (6-7)	SB-7 (6-7)	Method A Soil Cleanup Levels		
Depth (ft bgs)	2-3	4-5	2-3	2-3	1-2	6-7	6-7	Unrestricted Use[(1)]	Industrial/ Commercial[(1)]	Protective of Groundwater (Vadose Zone)[(1)]
Sample Date	10/22/2021					10/3/2022				
PID Reading (ppm)	0.2	0.3	3.9	0.8	0.5	3.5	2.8			
TPH (NWTPH) mg/kg										
Gasoline	<4.1	<7.1	10 J	<4.6	4.7 J	<4.4	<4.1	30	30	NE
Diesel Range Organics (C_{10}-C_{25})	34	<5.9	84	<4.7	1,700	<4.5	<4.2	2,000	2,000	NE
Residual Range Organics (C_{25}-C_{36})	280	<7.1	240	<5.6	4,900	<5.3	<5.1	2,000	2,000	NE
VOCs (8260D) mg/kg										
Tetrachloroethene	<0.040	<0.070	**1.3**	<0.045	**1.8**	<0.043	<0.040	0.05	0.05	0.05
1,1,1-Trichloroethane	<0.040	<0.069	<0.040	<0.044	0.10 J	<0.043	<0.039	2.0	2.0	1.5
Toluene	<0.031	<0.053	<0.031	<0.034	0.038 J	<0.033	<0.030	7.0	7.0	4.5
1,2,4-Trimethylbenzene	<0.073	<0.093	0.12 J	<0.060	<0.056	<0.058	<0.053	NE	NE	1.3
Xylenes (total)	<0.119	<0.201	<0.121	<1.51	<0.123	<0.128	<0.117	9.0	9.0	14
Methylene Chloride	<0.46	<0.79	<0.47	<0.51	<0.48	**0.82 J,H,B,+**	<0.46	0.02	0.02	0.022
Naphthalene	<0.064	<0.11	<0.065	<0.072	<0.067	<0.069	<0.064	NE	NE	NE
Trichlorofluoromethane	<0.075	<0.13	<0.077	<0.084	<0.078	<0.081	<0.075	NE	NE	NE
PAHs (8270E) mg/kg										
Naphthalene	<0.024	<0.0030	0.0079 J	<0.0024	<0.012	<0.0023	<0.0022	5.0	5.0	4.5
2-Methylnaphthalene	<0.035	<0.0044	0.013	<0.0035	<0.017	<0.0033	<0.0032	NE	NE	1.7
1-Methylnaphthalene	<0.025	<0.0031	0.0088 J	<0.0025	<0.012	<0.0024	<0.0023	NE	NE	0.082
Phenanthrene	<0.041	<0.0051	0.014	<0.0041	<0.020	0.0046 J	<0.0037	NE	NE	NE
Anthracene	<0.022	<0.0028	0.0022 J	<0.0022	<0.011	<0.0021	<0.0021	NE	NE	2,300
Fluoranthene	<0.028	<0.0035	0.0050 J	<0.0028	<0.014	<0.0026	<0.0026	NE	NE	630
Pyrene	<0.043	<0.0054	0.01 J	<0.0043	<0.021	<0.0040	<0.0039	NE	NE	650
Benzo[a]anthracene	<0.024	<0.0030	0.0037 J	<0.0024	<0.012	<0.0023	<0.0022	0.1*	2*	3.9*
Chrysene	<0.017	<0.0021	0.0045 J	<0.0017	<0.0084	<0.0016	<0.0016	0.1*	2*	3.9*
Benzo[b]fluoranthene	<0.039	<0.0050	0.0045 J	<0.0039	<0.019	<0.0037	<0.0036	0.1*	2*	3.9*
Benzo[g,h,i]perylene	<0.026	<0.0033	0.0037 J	<0.0026	<0.013	<0.0025	<0.0024	NE	NE	NE

Notes:
[(1)] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2024, for Method A Soil Cleanup Levels and Protective of Groundwater (Vadose Zone).
Orange highlighting indicates concentration exceeds the Method A Residential and Industrial Properties Soil Cleanup Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method A Soil Cleanup Levels and the Protective of Groundwater (Vadose Zone) Standard.
* Soil cleanup level is based upon the total toxic equivalent concentration of carcinogenic PAHs
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (mg/kg).
VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbons
ft bgs = feet below ground surface; NE = not established; OWS = oil-water separator; ppm = parts per million
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established
NA = not analyzed; -- = not applicable; H = exceeded hold time; B = compound was found in blank and sample; + = lab control sample recovery above 100%, value may be biased high.

Table 1
Summary of Soil Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	South of South Shop	South of North Shop	North of Showroom	West of North Shop	Western Aboveground Lift North Shop		Regulatory Screening Levels		
Sample ID	SB-8 (2-3)	SB-9 (2-3)	SB-10 (2-3)	SB-11 (2-3)	SB-12 (2-3) / DUP-1		Method A Soil Cleanup Levels		Protective of Groundwater (Vadose Zone)[1]
Depth (ft bgs)	2-3	2-3	2-3	2-3	2-3	2-3	Unrestricted Use[1]	Industrial/ Commercial[1]	
Sample Date	10/4/2022	10/5/2022		10/6/2022					
PID Reading (ppm)	3.3	2.4	1.2	2.1	2.7	--			
TPH (NWTPH) mg/kg									
Gasoline	12 JB	<4.4	<4.5	<3.9	<4.5	<4.6	30	30	NE
Diesel Range Organics (C_{10}-C_{25})	15	<4.6	<4.5	<4.5	<4.5	<4.4	2,000	2,000	NE
Residual Range Organics (C_{25}-C_{36})	13 J	<5.5	<5.3	<5.3	<5.4	<5.3	2,000	2,000	NE
VOCs (8260D) mg/kg									
Tetrachloroethene	<0.054	<0.043	<0.044	<0.039	<0.044	<0.045	0.05	0.05	0.05
1,1,1-Trichloroethane	<0.054	<0.042	<0.043	<0.038	<0.044	<0.044	2.0	2.0	1.5
Toluene	<0.041	<0.032	<0.033	<0.029	<0.034	<0.034	7.0	7.0	4.5
1,2,4-Trimethylbenzene	0.14 J,H	<0.057	<0.059	<0.051	<0.059	<0.059	NE	NE	1.3
Xylenes (total)	0.222 J,H	<0.126	<0.130	<0.113	<0.130	<0.130	9.0	9.0	14
Methylene Chloride	<0.62	<0.49	<0.50	<0.44	<0.50	<0.51	0.02	0.02	0.022
Naphthalene	0.21 J,H	<0.49	<0.070	<0.061	<0.071	<0.071	NE	NE	NE
Trichlorofluoromethane	<0.10	<0.080	<0.082	<0.072	<0.083	0.12 J,H	NE	NE	NE
PAHs (8270E) mg/kg									
Naphthalene	<0.0024	<0.0024	<0.0023	<0.0023	<0.0023	<0.0023	5.0	5.0	4.5
2-Methylnaphthalene	0.0043 J	<0.0035	<0.0033	<0.0033	<0.0033	<0.0033	NE	NE	1.7
1-Methylnaphthalene	0.0044 J	<0.0025	<0.0024	<0.0023	<0.0023	<0.0024	NE	NE	0.082
Phenanthrene	0.014	<0.0041	<0.0039	<0.0038	<0.0038	<0.0039	NE	NE	NE
Anthracene	<0.0022	<0.0022	<0.0022	<0.0021	<0.0021	<0.0021	NE	NE	2,300
Fluoranthene	0.0029 J	<0.0028	<0.0027	0.0056 J	<0.0026	<0.0026	NE	NE	630
Pyrene	0.0046 J	<0.0043	<0.0041	0.0052 J	<0.0040	<0.0040	NE	NE	650
Benzo[a]anthracene	0.0025 J	<0.0024	<0.0023	0.0024 J	<0.0022	<0.0023	0.1*	2*	3.9*
Chrysene	0.0039 J	<0.0017	<0.0016	0.0033 J	<0.0016	<0.0016	0.1*	2*	3.9*
Benzo[b]fluoranthene	<0.0039	<0.0039	<0.0038	0.0068 J	<0.0037	<0.0037	0.1*	2*	3.9*
Benzo[g,h,i]perylene	<0.0026	<0.0026	<0.0025	<0.0025	<0.0025	<0.0025	NE	NE	NE

Notes:
[1] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2024, for Method A Soil Cleanup Levels and Protective of Groundwater (Vadose Zone).
Orange highlighting indicates concentration exceeds the Method A Residential and Industrial Properties Soil Cleanup Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method A Soil Cleanup Levels and the Protective of Groundwater (Vadose Zone) Standard.
* Soil cleanup level is based upon the total toxic equivalent concentration of carcinogenic PAHs
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (mg/kg).
VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbons
ft bgs = feet below ground surface; NE = not established; OWS = oil-water separator; ppm = parts per million
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established
NA = not analyzed; -- = not applicable; H = exceeded hold time; B = compound was found in blank and sample; + = lab control sample recovery above 100%, value may be biased high.

Table 2
Summary of Monitoring Well Construction and Depth to Groundwater Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

	Well Construction Information					Groundwater Elevation Data		
Well ID	Date Installed	TOC Elevation[(1)] (ft)	Well Diameter (in)	Total Well Depth (ft bTOC)	Screen Interval (ft bTOC)	Date Measured	Depth to Groundwater (ft bTOC)	Groundwater Elevation (ft)
MW-1	10/3/2022	38.59	2.0	19.25	10 - 20	10/7/2022	15.60	22.99
MW-2	10/4/2022	38.23	2.0	19.10	10 - 20	10/7/2022	15.15	23.08
MW-3	10/5/2022	33.95	2.0	20.90	7 - 22	10/7/2022	10.81	23.14
MW-4	10/5/2022	39.25	2.0	22.10	7 - 22	10/7/2022	16.22	23.03
MW-5	10/5/2022	40.56	2.0	23.31	15 - 25	10/7/2022	17.67	22.89
MW-6	10/7/2022	40.54	2.0	22.55	8 - 23	10/7/2022	17.50	23.04

Notes:
[(1)] TOC elevations were surveyed by Sadler Barnard & Associates, Inc on 9/11/2023.
ft bTOC = feet below top of casing

Table 3
Summary of Groundwater Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	Groundwater Monitoring Network						Regulatory Screening Level
Sample ID	MW-1	MW-2	MW-3	MW-4 / DUP-1	MW-5	MW-6	
Sample Date	10/6/2022	10/7/2022					Groundwater Method A[(1)]
TPH (NWTPH)							
Gasoline Range Organics (C_6-C_{10})	<31	36 J	33 J	<31	38 J	32 J	33 J	1,000
Diesel Range Organics (C_{10}-C_{25})	<110	<110	<110	<110	<110	<110	<110	500
Residual Range Organics (C_{25}-C_{36})	<120	<120	150 J	<120	<120	<120	<120	NE
VOCs (8260D)							
No VOCs Detected	--	--	--	--		--	--	--
PAHs (8270E)							
No PAHs Detected	--	--	--	--		--	--	--

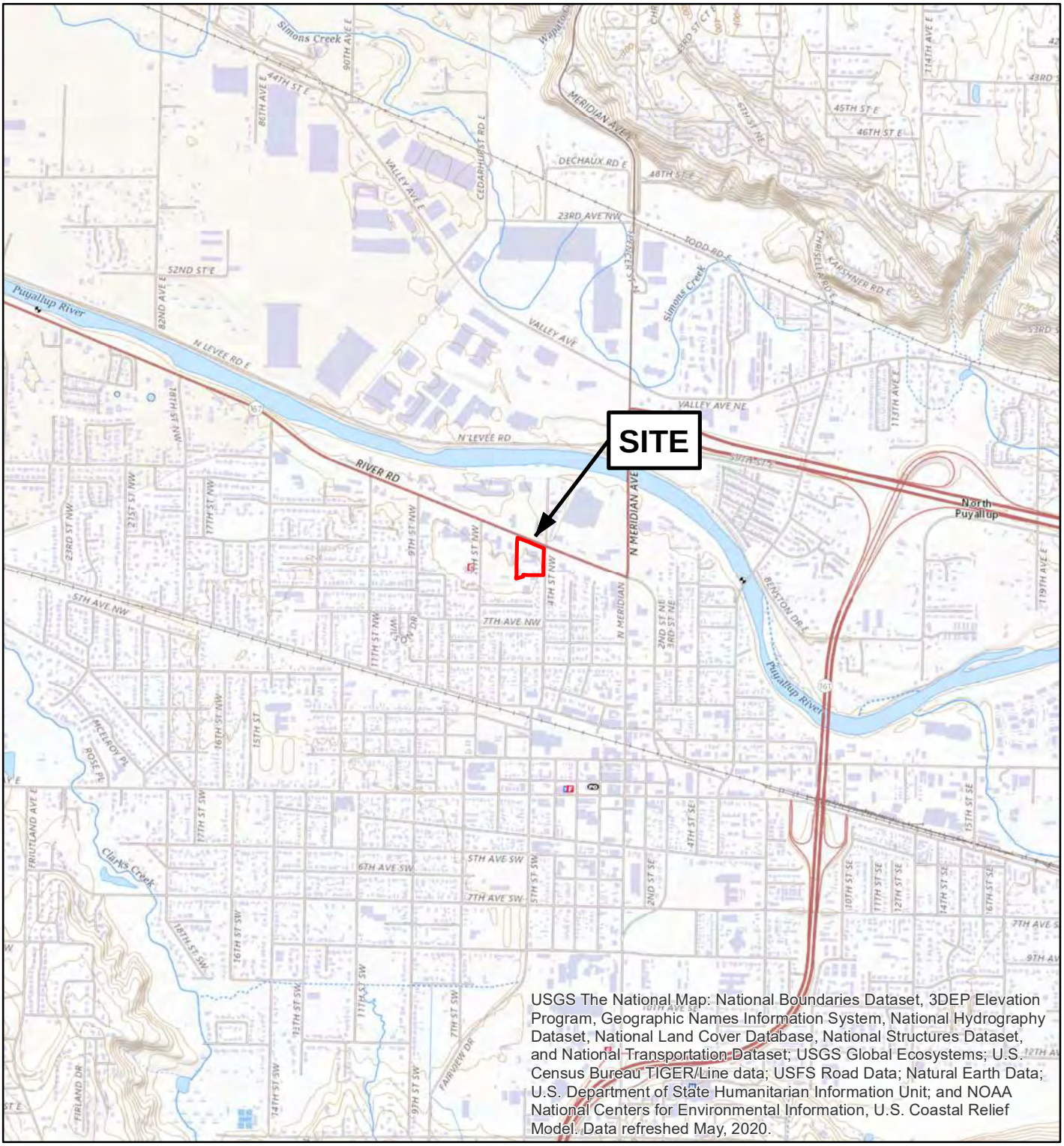
Notes:
[(1)] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2021, for Method A Groundwater Cleanup Levels.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in micrograms per liter (ug/L).
VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbons
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established; -- = not applicable

Table 4
Summary of Sub-Slab Vapor Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-413

Sample Location	Showroom Floor	Customer Lounge Area	Parts Department	Regulatory Screening Levels	
Sample ID	SSV-1	SSV-4	SSV-7	Method B Sub-Slab Screening Level	
Sample Date	10/7/2022			Noncancer[1]	Cancer[1]
VOCs (8260D) ug/m^3					
Acetone	32.3	133	16.7	NE	NE
Benzene	0.77	2.2	<0.64	460	11
2-Butanone (MEK)	<5.5	15.2	<5.9	76,000	NE
Carbon Disulfide	17.1	<1.2	<1.3	11,000	NE
Chloromethane	<0.77	1.1	<0.83	1,400	NE
Dichlorodifluoromethane	6.4	2.2	53.3	1,500	NE
Ethanol	95.4	164	261	NE	NE
Ethylbenzene	2.3	2.6	<1.7	15,000	NE
n-Heptane	5.6	18.8	2.1	6,100	NE
n-Hexane	<1.3	4.1	<1.4	11,000	NE
4-Methyl-2-pentanone (MIBK)	<7.6	8.4	<8.2	46,000	NE
2-Propanol	8.4	34.2	10.6	NE	NE
Styrene	<1.6	1.7	2.0	15,000	NE
Tetrachloroethene	2.8	<2.7	5.5	610	320
Toluene	7.1	25.6	3.2	76,000	NE
1,1,1-Trichloroethane	125	<2.2	<2.2	76,000	NE
Trichlorofluoromethane	12.9	<2.2	<2.3	11,000	NE
1,2,4-Trimethylbenzene	<1.8	6.4	<2.0	910	NE
1,3,5-Trimethylbenzene	<1.8	2.8	<2.0	910	NE
m&p-Xylene	10.7	7.6	<3.5	1,500	NE
o-Xylene	7.9	2.8	<1.7	1,500	NE

Notes:
[1] State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated August 2022, for Vapor Intrusion Method B Sub-Slab Screening Levels.
Orange highlighting indicates concentration exceeds the Method B Cancer Screening Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method B Noncancer and Cancer Screening Levels.
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (ug/m^3).
VOCs = volatile organic compounds
NE = not established

Figures



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0 2,000 4,000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

PUYALLUP, WASHINGTON 2020

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE

SITE LOCATION MAP

PROJECT

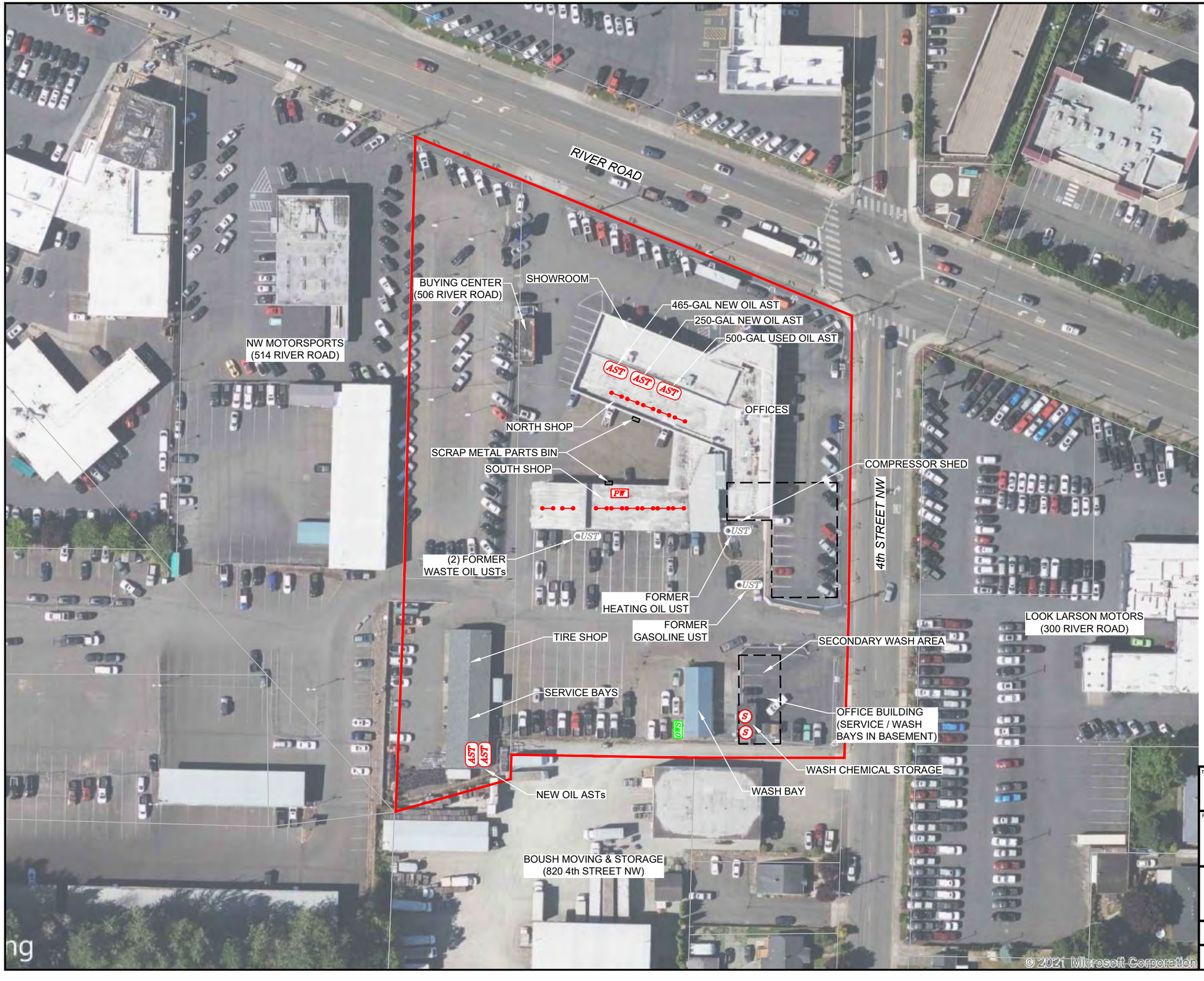
NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

2923 South Tryon Street - Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)
License # C-1269 / # C-245 Geology

DATE: 4-25-2024	REVISION NO: 0
JOB NO: SAI-413	FIGURE NO: 1

Path: S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-384 Project Octane\Task 13 - Northwest Motorsports Puyallup WA - Phase II ESA\Figures\Figure-1.mxd



LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- APPROXIMATE EXTENT OF BASEMENT
- AST — ABOVEGROUND STORAGE TANK (AST)
- oUST — FORMER UNDERGROUND STORAGE TANK
- ABOVEGROUND LIFT
- PW — PARTS WASHER
- S — SUMP
- O/WS — OIL/WATER SEPARATOR

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

SITE MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
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License # C-1269 / #C-245 Geology

DATE: 4-26-24	REVISION NO. 0
JOB NO. SAI-384-13	FIGURE NO. 2

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-413 NWMS Puyallup\Additional Assessment 2022\Figures\SITE MAP-013.dwg, FIG 2, 4/26/2024 1:31:50 PM, drabum

RIVER ROAD

NW MOTORSPORTS
(514 RIVER ROAD)

SHOWROOM

SB-10

SB-12

SB-7

SB-5

OFFICES

SB-8

NORTH SHOP

SB-4

SB-9

SOUTH SHOP

SB-6

SB-3

SB-11

4th STREET NW

LOOK LARSON MOTORS
(300 RIVER ROAD)

TIRE SHOP

SERVICE BAYS

SB-2

SB-1

OFFICE BUILDING
(SERVICE / WASH
BAYS IN BASEMENT)

BOUSH MOVING & STORAGE
(820 4th STREET NW)

LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- APPROXIMATE EXTENT OF BASEMENT
- SOIL BORING LOCATION

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

SOIL BORING LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
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License # C-1269 / #C-245 Geology

DATE: 4-26-24	REVISION NO. 0
JOB NO. SAI-413-1	FIGURE NO. 3

LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- APPROXIMATE EXTENT OF BASEMENT
- MONITORING WELL LOCATION

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

MONITORING WELL LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

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License # C-1269 / #C-245 Geology

DATE: 4-26-24	REVISION NO. 0
JOB NO. SAI-413-1	FIGURE NO. 4

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LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- APPROXIMATE EXTENT OF BASEMENT
- SUB-SLAB VAPOR MONITORING POINT LOCATION

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

SUB-SLAB VAPOR MONITORING POINT LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

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DATE: 4-26-24	REVISION NO. 0
JOB NO. SAI-413-1	FIGURE NO. 5

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LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- APPROXIMATE EXTENT OF BASEMENT
- MONITORING WELL LOCATION
- (23.08) GROUNDWATER ELEVATION (FT MSL)
- 23.05 GROUNDWATER ELEVATION CONTOUR (FT MSL)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.
3. MONITORING WELLS GAUGED OCTOBER 7, 2022.
4. MW-1 NOT UTILIZED IN CONTOURING.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

GROUNDWATER POTENTIOMETRIC SURFACE MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

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SMARTER ENVIRONMENTAL SOLUTIONS
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DATE: 4-26-24	REVISION NO. 0
JOB NO. SAI-413-1	FIGURE NO. 6

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Appendix A
Previous Assessment Reports

Phase II ESA
Northwest Motorsports

400 River Road
Puyallup, Washington

Sonic Job No. Corporate-009997-00026-001
H&H Job No. SAI-384-13
November 5, 2021

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Phase II Environmental Site Assessments
Northwest Motorsports
400 River Road
Puyallup, Washington
Sonic Job No. Corporate-009997-00026-001
H&H Job No. SAI-384-13

Table of Contents

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Phase II Environmental Site Assessments
Northwest Motorsports
400 River Road
Puyallup, Washington
Sonic Job No. Corporate-009997-00026-001
H&H Job No. SAI-384-13

1.0 Introduction

Hart & Hickman, PC (H&H) performed a Phase II Environmental Site Assessment (ESA) on the Northwest Motorsports automotive sales and service facility located at 400 River Road in Puyallup, Pierce County, Washington (Site or subject Site). A Site location map is provided as Figure 1.

The Site is comprised of two parcels of land totaling approximately 3.2-acres (Parcel IDs 0420214807 and 0420281170) and is improved with two commercial buildings that are currently leased by Northwest Motorsport (NWMS) for automotive sales and service operations. The approximately 17,000 square foot (sq ft) two-story main Site building was originally constructed in 1953 and was expanded in the late 1970s and mid-1980s. An approximately 3,600-sq ft service and tire shop, referred to as the Lower Shop, is located to the southwest of the main Site building. The Lower Shop building was constructed in 1966 and was expanded in the late 1970s. Historical automotive sales and service activities have been performed at the Site since at least 1959 when the Site was utilized as Grant's Chevrolet, Inc. but automotive service activities likely date back to Site development in the early
1950s.

A Phase I ESA was completed by others in 2020 identified the following recognized environmental conditions (RECs) in connection with the Site:

- Historical automotive service activities since at least the 1970s, which were known to use and store hazardous chemicals and petroleum products.

- Former in-ground hydraulic lifts in the service departments.

Additionally, the following potential environmental concerns were identified with the Site:

- A catch basin located adjacent to the southeast corner of the main building, which would be pumped out to another catch basin in close proximity during significant rain events.

- Surrounding properties used for automotive sales and service activities, including the property to the east, which was listed as a gas station in the early 1970s.

2.0 Phase II ESA Activities

Based on the results of the Phase I ESA, H&H completed Phase II ESA activities on October 22, 2021. The Phase II ESA activities were performed in general accordance with the most recent version of the United States Environmental Protection Agency (USEPA) Region IV Science and Ecosystem Support (SESD) *Field Branches Quality System and Technical Procedures* guidance. Photographs of the Site and the assessment activities are provided in Appendix A.

2.1 Utility Clearance and GPR Survey Activities

Prior to conducting Phase II ESA activities, H&H contacted Washington 811, the public utility locator, to mark subsurface utilities located on the Site. H&H also contracted with Ground Penetrating Radar Services (GPRS), a private utility locator to screen proposed boring locations for subgrade utilities which were not identified by the public locator.

In addition, prior to advancing the soil borings with mechanical drilling equipment, H&H directed the drilling contractor, Steadfast Services Northwest, LLC (Steadfast) to hand clear each boring to a depth of approximately 5 ft below ground surface (ft bgs) with a decontaminated stainless-steel hand auger to further screen boring locations for the potential presence of subsurface utilities prior to utilizing mechanical drilling techniques.

2.2 Soil Sampling Activities

H&H and Steadfast advanced 5 soil borings (SB-1 through SB-5) adjacent to the wash bay drain, oil/water separator (OWS), metal scrap bin, and aboveground hydraulic lifts at the Site. The soil boring locations are depicted on Figure 3 and are described below.

- Soil boring SB-1 was advanced to a depth of 15 ft bgs adjacent to the wash bay drain on the southern portion of the Site;

- SB-2 was advanced to a depth of 15 ft bgs adjacent to the west of the OWS located on the southern portion of the Site;

- Soil boring SB-3 was advanced to a depth of 15 ft bgs in an area of heavy staining in the southern service department in the main Site building;

- Soil boring SB-4 was advanced to a depth approximately 15 ft bgs to the south of the northern service department in the main Site building; and

- Soil boring SB-5 was advanced to 4.5 ft bgs in the vicinity of heavy staining in the northern service department in the main Site building.

Once soil borings were cleared to 5 ft bgs with a hand auger (where possible) a track-mounted Geoprobe direct-push technology (DPT) drill rig was used to advance the soil borings to completion depths between 4.5 and 15 ft bgs. Soil boring SB-5 was advanced to 4.5 ft bgs using a hand auger where refusal was encountered. During boring advancement, soil was recovered from either the hand auger bucket or acetate-lined macrocore sampler and logged for lithological description and field screened for the visual presence of staining and the presence of organic vapors using a calibrated photoionization detector (PID). Based on field screening results, H&H collected at least one soil sample from each boring for laboratory analysis. If H&H did not observe indications of potential impacts based on field screening results, a soil sample was collected from the depth interval with the highest potential for impacts based on the source area.

Soil was primarily silty sand from below surface covering to a depth of approximately 3 ft bgs. From approximately 3 ft bgs to 9 ft bgs, poorly graded loose sand was encountered. The poorly graded sand was underlain by well graded fine to course grained sand to depth of 15 ft bgs which was the maximum depth encountered during the assessment activities. Soil were generally wet at depth between 6 ft and 9 ft bgs and may be indicative of water table. Boring logs with lithological descriptions and field screening results are provided in Appendix B.

Following collection, the soil samples were placed in dedicated laboratory-supplied sample containers and labeled with the sample identification, date, and requested analysis. Soil samples collected during the Phase II ESA activities were submitted to Eurofins USA (Eurofins) under standard chain-of-custody protocols for analysis of volatile organic compounds (VOCs) by US EPA Method 8260D, polynuclear aromatic hydrocarbons (PAHs) by US EPA Method 8270E, and total petroleum hydrocarbons (TPH) by Northwest Volatile Petroleum Products (NWTPH) Method.

2.3 Soil Analytical Results

Soil analytical results (SB-1 to SB-5) were compared to the State of Washington Department of Ecology (WDE) Cleanup Levels and Risk Calculation (CLARC), dated February 2021, for Unrestricted Use and Commercial/Industrial Use Method A Soil Cleanup Levels (SCLs) and Protection of Groundwater screening levels. Soil analytical results are summarized on Table 1. The laboratory analytical data report is included in Appendix C.

Laboratory analytical results indicate the presence of tetrachloroethene (PCE) in the soil samples collected from SB-3 (1.3 mg/kg) and SB-5 (1.8 mg/kg) at concentrations above the Unrestricted Use and Commercial/Industrial Use SCLs and the Protection of Groundwater screening levels. No other VOCs were detected at concentrations above Unrestricted Use SCLs, Commercial/Industrial Use SCLs or the Protection of Groundwater screening levels.

TPH residual range organics (TPH-RRO) was detected at a concentration of 4,900 mg/kg which is above the Unrestricted Use and Commercial/Industrial Use SCLs and the Protection of Groundwater screening levels in the soil sample collected from SB-5. No other TPH factions were detected in the soil samples collected during the Phase II ESA activities.

PAHs at concentrations above Unrestricted Use SCLs, Commercial/Industrials SCLs, or Protective of Groundwater screening levels in any of the soil samples collected during the Phase II ESA activities.

2.6 Quality Assurance/Quality Control

Non-dedicated sampling equipment was used during the Phase II ESA activities, including DPT tooling and hand auger, which were decontaminated prior to use at each boring or sampling location or following exposure to soil or groundwater using Liquinox detergent and rinsing with fresh tap water. H&H and the drilling subcontractors wore nitrile gloves while handling soil samples and collected soil samples in laboratory-provided containers and placed on ice immediately upon collection. In addition, a trip blank accompanied the VOC samples to ensure that outside contaminants were not introduced during transport. No analytes were detected in the trip blank sample.

2.7 Investigation Derived Waste

Upon completion of the assessment activities, the soil borings were properly abandoned using hydrated bentonite and capped with concrete. Soil cuttings generated during soil sampling activities were spread on-Site due to lack of obvious impacts.

3.0 Phase II Conclusions and Recommendations

Based on the results of the soil assessment activities completed at the Site, H&H has concluded the following:

- PCE is present in soil below the northern and southern service departments in the main Site building at concentrations above Unrestricted Use SCLs, Commercial/Industrial SCLs, and Protective of Groundwater screening levels.

- TPH-RRO is present at a concentration above Unrestricted Use and Commercial/Industrial SCLs below the northern service department of the main Site building.

- Groundwater appears to be present at shallow depths of less than 10 ft bgs at the Site.

- The presence of PCE at concentrations above the Protective of Groundwater screening level and in close proximity to the water table, it is possible that groundwater may be impacted with PCE.

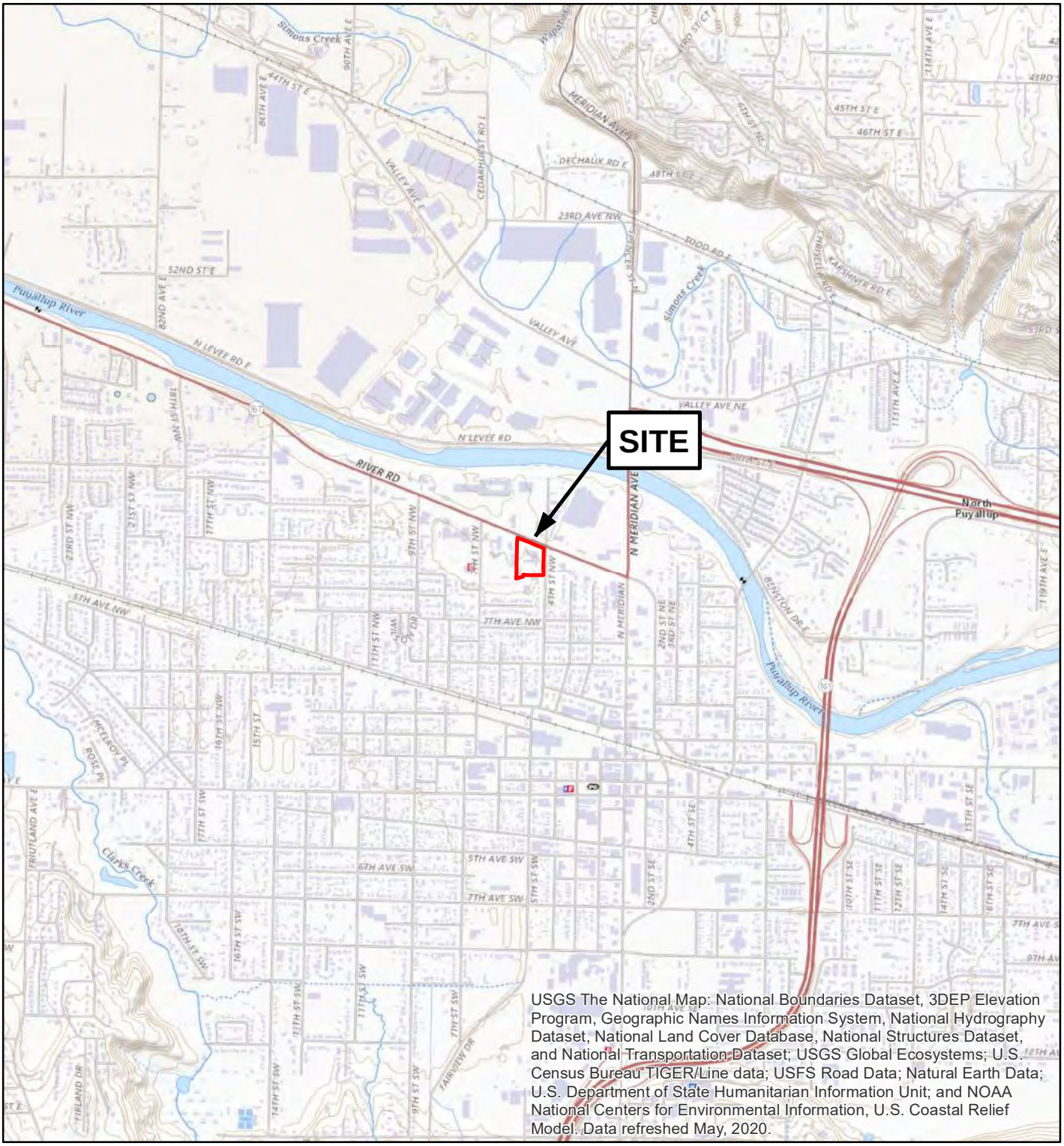
- PCE and daughter compounds such as trichloroethene (TCE) vapors may be present in Site soil and may be a vapor intrusion concern to the interior portions of the Site buildings.

In accordance with Washington Administrative Code (WAC) 173-340.300 indicates that owners or operators with knowledge of a release of a potentially hazardous substance to the environment should report the release to WDE within 90 days. As such, H&H recommends that the presence of impacts be reported in a timely manner. However, because PCE is present in soil below the building slab, H&H recommends that additional assessment activities be completed in a timely manner, to evaluate the potential for the migration of PCE and daughter compound vapors to the interior portions of the Site buildings.

Table 1
Summary of Soil Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-384.13

Sample Location	Wash Bay Drain	OWS	South Shop Aboveground Lift	Metal Scrap Bin	North Shop Aboveground Lift	Regulatory Screening Levels		
Sample ID	SB-1 (2-3)	SB-2 (4-5)	SB-3 (2-3)	SB-4 (2-3)	SB-5 (1-2)	Method A Soil Cleanup Levels		Protective of Groundwater (Vadose Zone)[1]
Depth (ft bgs)	2-3	4-5	2-3	2-3	1-2	Unrestricted Use[1]	Industrial/ Commercial[1]	
Sample Date	10/22/2021							
PID Reading (ppm)	0.2	0.3	3.9	0.8	0.5			
TPH (NWTPH) mg/kg								
Gasoline	<4.1	<7.1	10 J	<4.6	4.7 J	30	30	NE
Diesel Range Organics (C_{10}-C_{25})	34	<5.9	84	<4.7	1,700	2,000	2,000	NE
Residual Range Organics (C_{25}-C_{36})	280	<7.1	240	<5.6	4,900	2,000	2,000	NE
VOCs (8260D) mg/kg								
Tetrachloroethene	<0.040	<0.070	**1.3**	<0.045	**1.8**	0.05	0.05	0.05
1,1,1-Trichloroethane	<0.040	<0.069	<0.040	<0.044	0.10 J	2.0	2.0	1.5
Toluene	<0.031	<0.053	<0.031	<0.034	0.038 J	7.0	7.0	4.5
1,2,4-Trimethylbenzene	<0.073	<0.093	0.12 J	<0.060	<0.056	NE	NE	1.3
PAHs (8270E) mg/kg								
Naphthalene	<0.024	<0.0030	0.0079 J	<0.0024	<0.012	5.0	5.0	4.5
2-Methylnaphthalene	<0.035	<0.0044	0.013	<0.0035	<0.017	NE	NE	1.7
1-Methylnaphthalene	<0.025	<0.0031	0.0088 J	<0.0025	<0.012	NE	NE	0.082
Phenanthrene	<0.041	<0.0051	0.014	<0.0041	<0.020	NE	NE	NE
Anthracene	<0.022	<0.0028	0.0022 J	<0.0022	<0.011	NE	NE	2,300
Fluoranthene	<0.028	<0.0035	0.0050 J	<0.0028	<0.014	NE	NE	630
Pyrene	<0.043	<0.0054	0.01 J	<0.0043	<0.021	NE	NE	650
Benzo[a]anthracene	<0.024	<0.0030	0.0037 J	<0.0024	<0.012	0.1*	2*	3.9*
Chrysene	<0.017	<0.0021	0.0045 J	<0.0017	<0.0084	0.1*	2*	3.9*
Benzo[b]fluoranthene	<0.039	<0.0050	0.0045 J	<0.0039	<0.019	0.1*	2*	3.9*
Benzo[g,h,i]perylene	<0.026	<0.0033	0.0037 J	<0.0026	<0.013	NE	NE	NE

Notes:
(1) State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2021, for Method A Soil Cleanup Levels and Protective of Groundwater (Vadose Zone).
Orange highlighting indicates concentration exceeds the Method A Residential and Industrial Properties Soil Cleanup Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method A Soil Cleanup Levels and the Protective of Groundwater (Vadose Zone) Standard.
* Soil cleanup level is based upon the total toxic equivalent concentration of carcinogenic PAHs
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (mg/kg).
VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbons
ft bgs = feet below ground surface; NE = not established; OWS = oil-water separator; ppm = parts per million
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established



N

0 2,000 4,000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

PUYALLUP, WASHINGTON 2020

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE

SITE LOCATION MAP

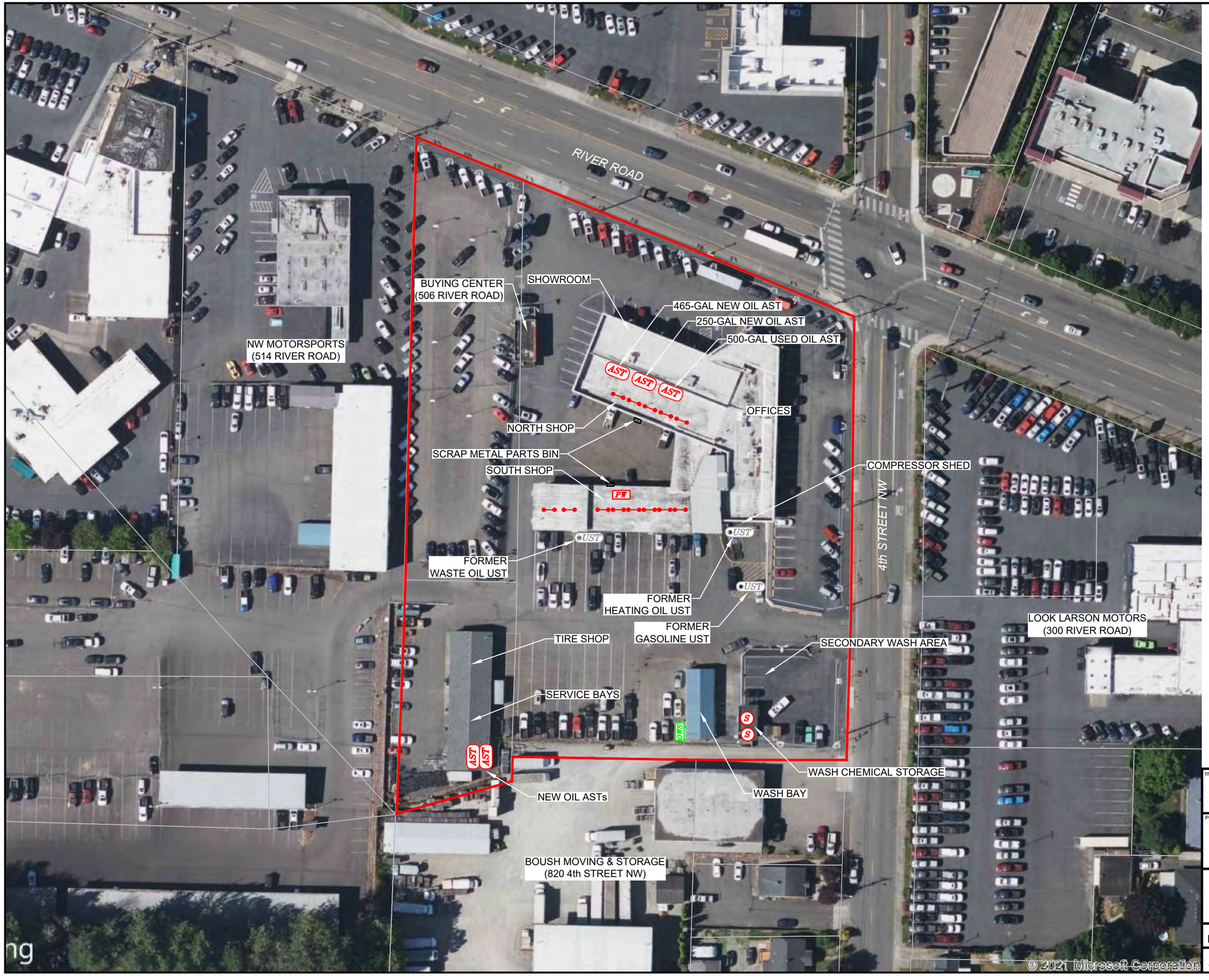
PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street - Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)
License # C-1269 / # C-245 Geology

DATE: 10-26-21	REVISION NO: 0
JOB NO: SAI-384-13	FIGURE NO: 1

Path: S:\AA-Master Projects\Sonic Automotive - SAI\SAI-384 Project Octane\Task 13 - Northwest Motorsports Puyallup WA - Phase II ESA\Figures\Figure-1.mxd



LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- AST — ABOVEGROUND STORAGE TANK (AST)
- UST — FORMER UNDERGROUND STORAGE TANK
- ABOVEGROUND LIFT
- PW — PARTS WASHER
- S — SUMP
- O/S — OIL/WATER SEPARATOR

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE

0 80 160

SCALE IN FEET

TITLE

SITE MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
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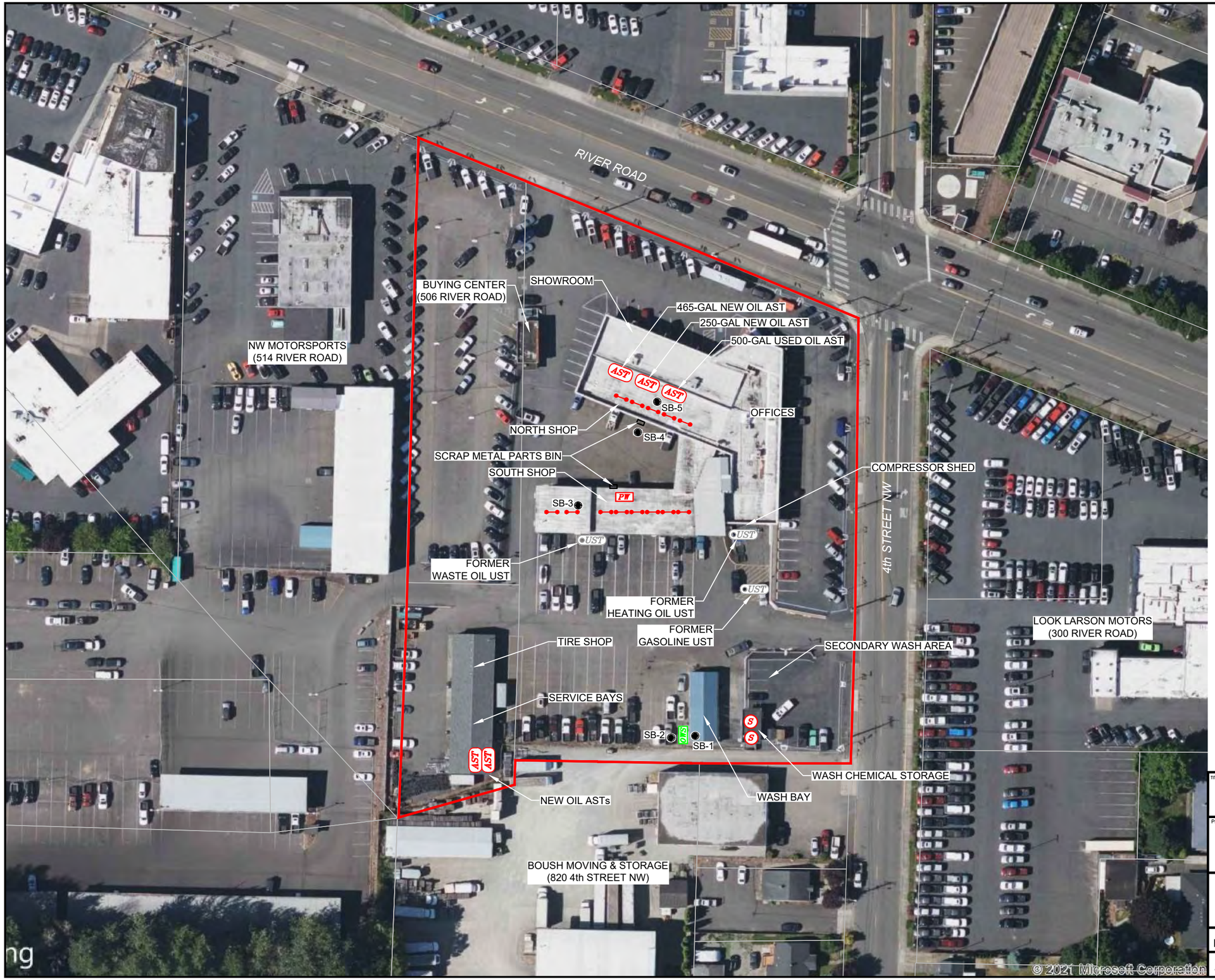
License # C-1269 / #C-245 Geology

DATE: 10-25-21	REVISION NO. 0
JOB NO. SAI-384-13	FIGURE NO. 2



LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- AST — ABOVEGROUND STORAGE TANK (AST)
- UST — FORMER UNDERGROUND STORAGE TANK
- ABOVEGROUND LIFT
- PW — PARTS WASHER
- S — SUMP
- O/S — OIL/WATER SEPARATOR
- SOIL BORING LOCATION

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE
0 80 160
SCALE IN FEET

TITLE

SAMPLE LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 10-25-21	REVISION NO. 0
JOB NO. SAI-384-13	FIGURE NO. 3

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-384 Project Octane\Task 13 - Northwest Motorsports Puyallup WA - Phase II ESA\Figures\SITE MAP-013.dwg, 10/28/2021 10:38:16 AM, shaynes

Appendix A
Site Photographs

Photograph 1: Northern exterior of the automotive building, viewed facing west.

Photograph 2: View of the North Shop of the automotive building, viewed facing north.

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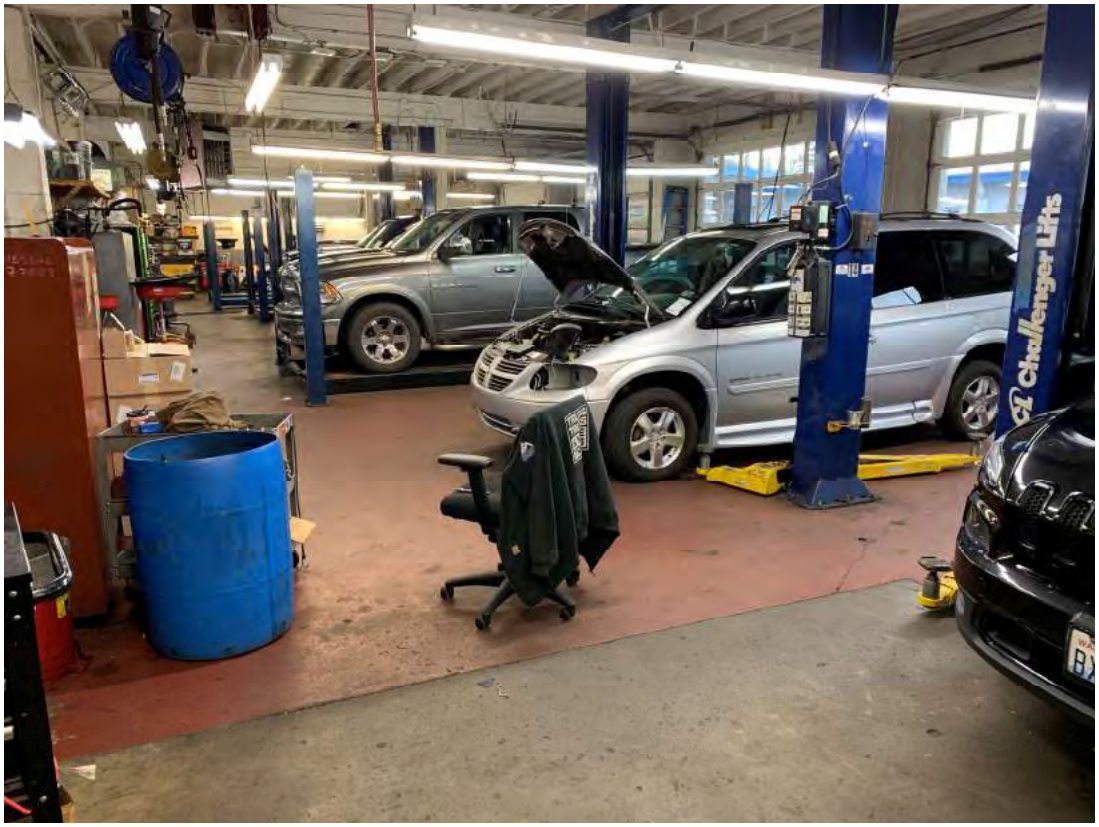
704.586.0007(p) 704.586.0373(f)

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

Photograph 3: View of the South Shop of the automotive building, facing southeast.



Photograph 4: General view of North Shop, facing east.

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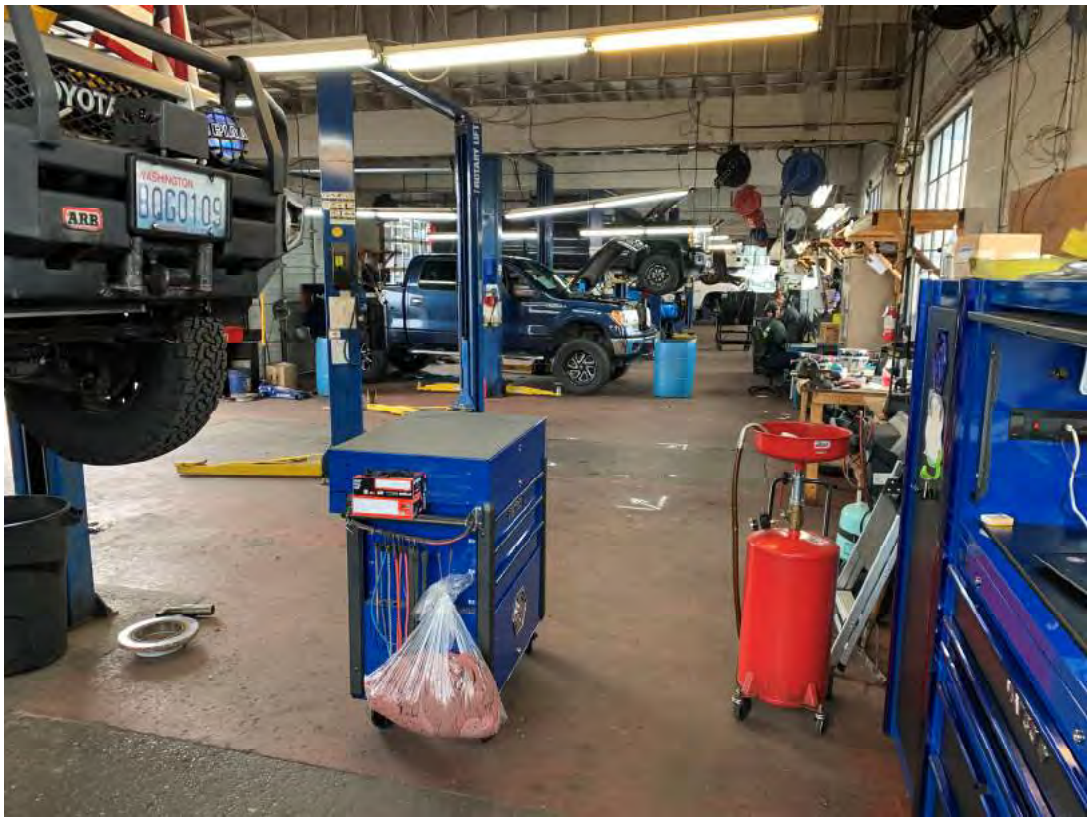

Photograph 5: General view of South Shop, facing east.

Photograph 6: View of wash bay at southern extent of property, facing south.

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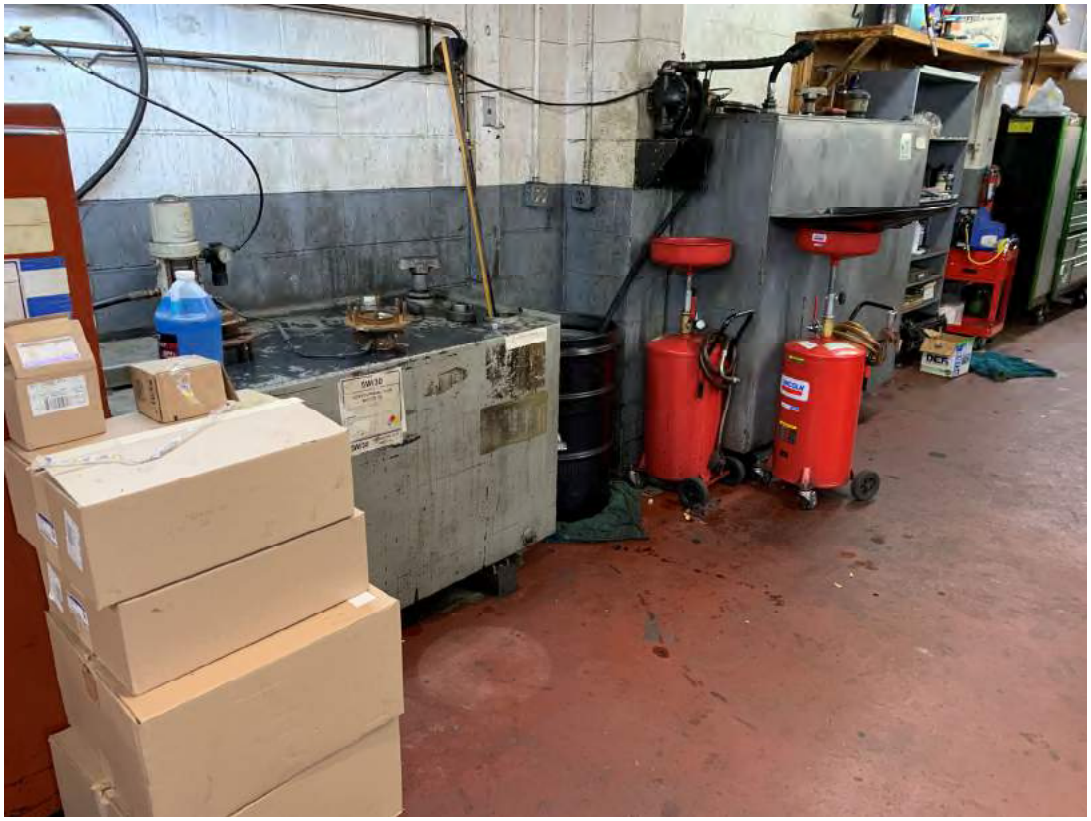
Photograph 7: Secondary wash area with select chemical storage, view facing east.



Photograph 8: Used and fresh oil ASTs located in the middle of the North Shop's northern wall.

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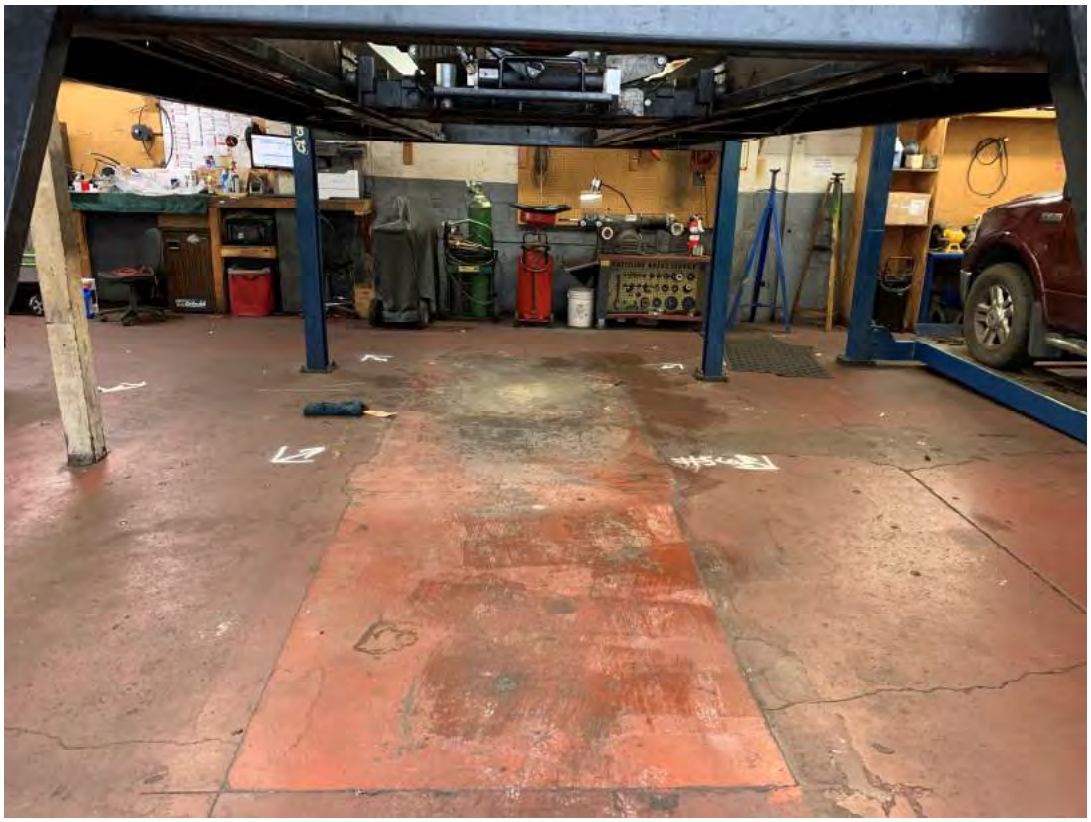
Photograph 9: Scrap metal car parts bin with observed staining, located at the southern extent of the North Shop, facing east.



Photograph 10: Patched floor in North Shop with some observed staining in lift area, location of SB-5, facing north.

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Photograph 11: View of OWS and skimmer shed at southern edge of wash bay, facing northeast.

Photograph 12: Interior view of the OWS vault.

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Appendix B

Soil Boring Logs

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-1**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			5.00	(0') Asphalt (0.5') Well-graded GRAVEL (GW); very loose, dry, brown (1') Well-graded SAND (SW); some fine-coarse grained sand, loose, moist, brown	0.2		0
									0.2	SB-1 (2-3)	
								(3') Silty SAND (SM); well-graded, loose, moist, dark brown	0.1		
5				DP			2.50	(5') Poorly graded SAND (SP); loose, wet, dark gray			5
10				DP			5.00	(10') Well-graded SAND (SW); some fine-coarse grained sand, loose, wet, dark gray			10
15								(15') Boring terminated			15
20											20

NOTES: Hole precleared to 5.0' by Steadfast Services Northwest using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

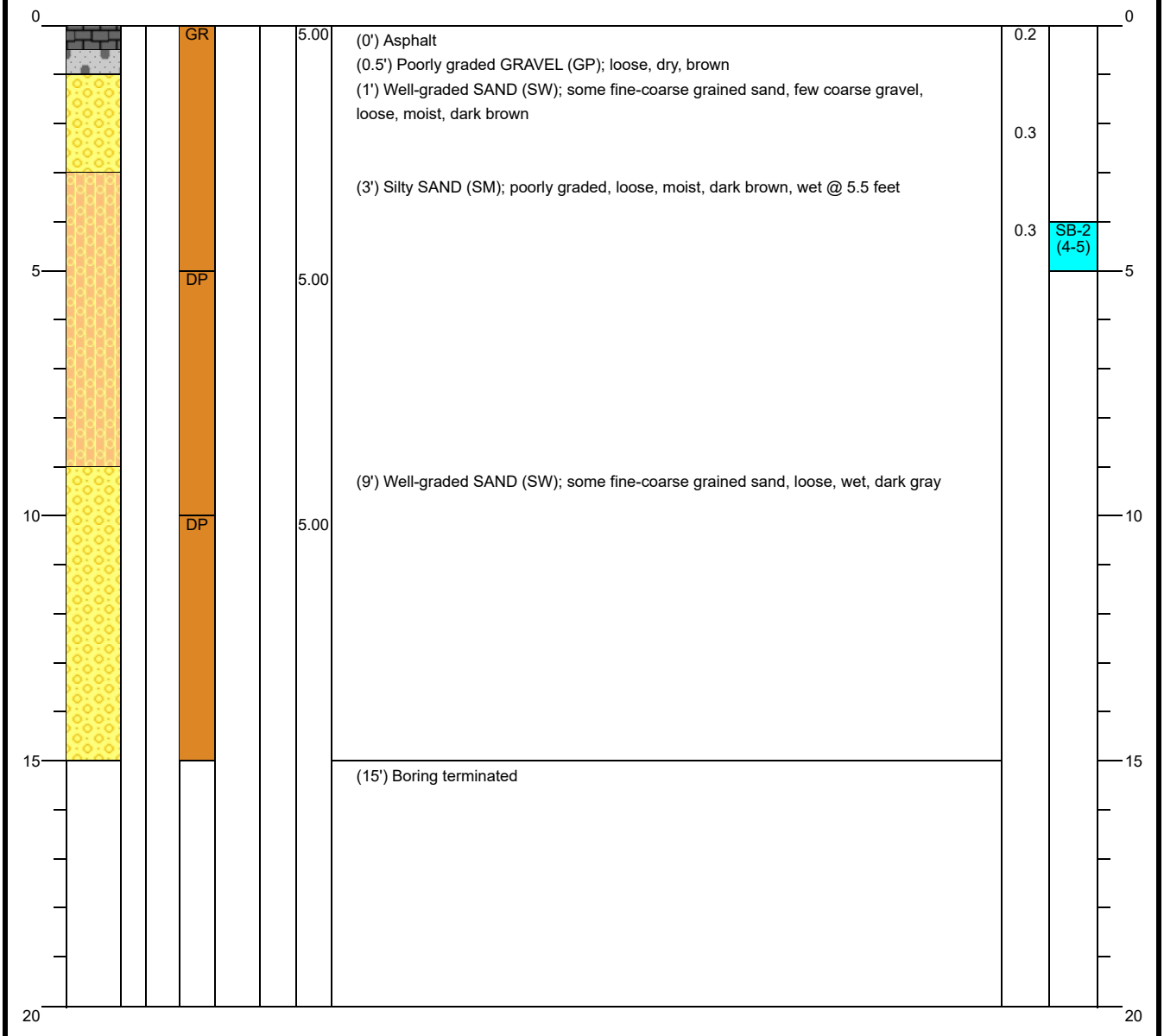
Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-2**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	



NOTES: Hole precleared to 5.0' by Steadfast Services Northwest using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

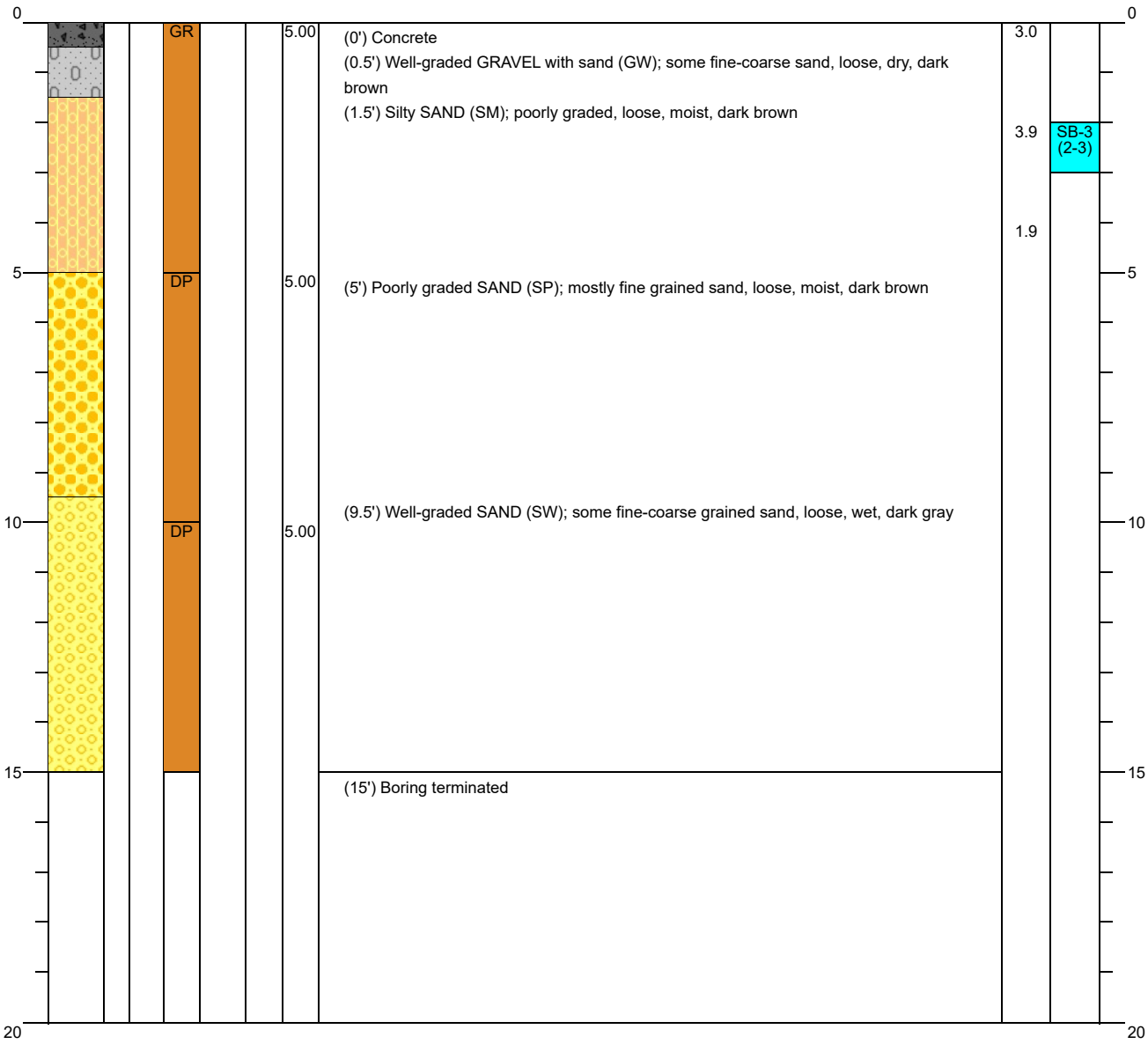
Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-3**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	



NOTES: Hole precleared to 5.0' using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No.	**SB-4**
Page:	**1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			5.00	(0') Asphalt (0.5') Well-graded GRAVEL with sand (GW); mostly coarse grained gravel, some fine-coarse sand, loose, moist, dark brown (1') Silty SAND (SM); medium dense, moist, dark brown, wet @ 7.5 feet	0.0		0
									0.8	SB-4 (2-3)	
5				DP			5.00		0.3		5
									0.3		
10				DP			5.00	(9') Well-graded SAND with gravel (SW); mostly fine-coarse grained sand, some coarse gravel, dense, wet, dark gray			10
15								(15') Boring terminated			15
20											20

NOTES: Hole precleared to 5.0' using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-5**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**4.5**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Grab**
Drilling Method:	**Other**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			4.50	(0') Concrete (0.5') Well-graded GRAVEL (GW); loose, dry (1') Sandy SILT (ML); some coarse gravel, low plasticity, medium stiff, dry, dark brown	0.5 0.3	SB-5 (1-2)	0
5								(4.5') Boring terminated			5
10											10
15											15
20											20

NOTES: Hole precleared to 4.5' by Steadfast Services Northwest using hand auger. Refusal at 4.5 feet.

Appendix C

Laboratory Analytical Report

eurofins | Environment Testing America

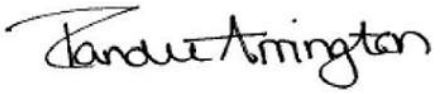
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-16195-1
Client Project/Site: Northwest Motorsports - Puyallup

For:
Hart & Hickman, PC
3921 Sunset Ridge Rd
Suite 301
Raleigh, North Carolina 27607

Attn: Carlin Slusher



Authorized for release by:
10/28/2021 5:36:23 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@Eurofinset.com

Table of Contents

Case Narrative

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt
The samples were received on 10/25/2021 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-33784 recovered above the upper control limit for 2,2-Dichloropropane, Chloroform, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Methylene Chloride and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 590-33778 and 590-33778 and analytical batch 590-33784 recovered outside control limits for the following analytes: 1,2-Dichlorobenzene, 1,2-Dichloropropane, Dibromomethane, Methyl tert-butyl ether, 2,2-Dichloropropane, cis-1,2-Dichloroethene and cis-1,3-Dichloropropene, . These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap in the following samples: SB-1 (2-3) (590-16195-1), SB-3 (2-3) (590-16195-3) and SB-5 (1-2) (590-16195-5).

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

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

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

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

Sample Summary

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-16195-1	SB-1 (2-3)	Solid	10/22/21 10:35	10/25/21 11:00
590-16195-2	SB-2 (4-5)	Solid	10/22/21 12:45	10/25/21 11:00
590-16195-3	SB-3 (2-3)	Solid	10/22/21 13:30	10/25/21 11:00
590-16195-4	SB-4 (2-3)	Solid	10/22/21 14:15	10/25/21 11:00
590-16195-5	SB-5 (1-2)	Solid	10/22/21 15:00	10/25/21 11:00
590-16195-6	Trip Blank	Solid	10/22/21 10:00	10/25/21 11:00

Definitions/Glossary

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.23	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chloromethane	ND		1.1	0.096	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Vinyl chloride	ND		0.14	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromomethane	ND		1.1	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chloroethane	ND		0.46	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Trichlorofluoromethane	ND		0.46	0.075	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1-Dichloroethene	ND		0.23	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Methylene Chloride	ND		0.80	0.46	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
trans-1,2-Dichloroethene	ND		0.23	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1-Dichloroethane	ND		0.23	0.061	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
2,2-Dichloropropane	ND	*+	0.23	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
cis-1,2-Dichloroethene	ND	*+	0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromochloromethane	ND		0.23	0.092	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chloroform	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,1-Trichloroethane	ND		0.23	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Carbon tetrachloride	ND		0.23	0.025	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1-Dichloropropene	ND		0.23	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Benzene	ND		0.046	0.023	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dichloroethane	ND		0.23	0.016	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Trichloroethene	ND		0.057	0.017	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dichloropropane	ND	*+	0.28	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Dibromomethane	ND	*+	0.23	0.051	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromodichloromethane	ND		0.23	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
cis-1,3-Dichloropropene	ND	*+	0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Toluene	ND		0.23	0.031	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
trans-1,3-Dichloropropene	ND		0.23	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,2-Trichloroethane	ND		0.23	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Tetrachloroethene	ND		0.092	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,3-Dichloropropane	ND		0.23	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Dibromochloromethane	ND		0.46	0.037	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dibromoethane (EDB)	ND		0.23	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chlorobenzene	ND		0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Ethylbenzene	ND		0.23	0.037	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,1,2-Tetrachloroethane	ND		0.23	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,2,2-Tetrachloroethane	ND		0.23	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
m,p-Xylene	ND		0.92	0.066	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
o-Xylene	ND		0.46	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Styrene	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromoform	ND		0.46	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Isopropylbenzene	ND		0.23	0.071	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromobenzene	ND		0.23	0.051	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
N-Propylbenzene	ND		0.23	0.061	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,3-Trichloropropane	ND		0.46	0.084	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
2-Chlorotoluene	ND		0.23	0.037	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,3,5-Trimethylbenzene	ND		0.23	0.073	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
4-Chlorotoluene	ND		0.23	0.020	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
tert-Butylbenzene	ND		0.23	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,4-Trimethylbenzene	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
sec-Butylbenzene	ND		0.23	0.043	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.23	0.029	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
p-Isopropyltoluene	ND		0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,4-Dichlorobenzene	ND		0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
n-Butylbenzene	ND		0.23	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dichlorobenzene	ND	*+	0.23	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dibromo-3-Chloropropane	ND		1.1	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,4-Trichlorobenzene	ND		0.23	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,3-Trichlorobenzene	ND		0.23	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Hexachlorobutadiene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Naphthalene	ND		0.46	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Methyl tert-butyl ether	ND	*+	0.11	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*10/28/21 09:19*	*10/28/21 12:49*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 122*	*10/28/21 09:19*	*10/28/21 12:49*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*	*10/28/21 09:19*	*10/28/21 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*	*10/28/21 09:19*	*10/28/21 12:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		11	4.1	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 12:49*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		110	24	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
2-Methylnaphthalene	ND		110	35	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
1-Methylnaphthalene	ND		110	25	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Acenaphthylene	ND		110	37	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Acenaphthene	ND		110	28	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Fluorene	ND		110	25	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Phenanthrene	ND		110	41	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Anthracene	ND		110	22	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Fluoranthene	ND		110	28	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Pyrene	ND		110	43	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[a]anthracene	ND		110	24	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Chrysene	ND		110	17	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[b]fluoranthene	ND		110	39	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[k]fluoranthene	ND		110	28	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[a]pyrene	ND		110	47	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Indeno[1,2,3-cd]pyrene	ND		110	33	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Dibenz(a,h)anthracene	ND		110	32	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[g,h,i]perylene	ND		110	26	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*87*		*33 - 120*	*10/26/21 09:51*	*10/26/21 17:40*	*10*
2-Fluorobiphenyl (Surr)	*78*		*47 - 120*	*10/26/21 09:51*	*10/26/21 17:40*	*10*
p-Terphenyl-d14	*93*		*74 - 120*	*10/26/21 09:51*	*10/26/21 17:40*	*10*

Client Sample ID: SB-1 (2-3)
Lab Sample ID: 590-16195-1
Date Collected: 10/22/21 10:35
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	34		11	4.6	mg/Kg	☼	10/27/21 10:00	10/27/21 14:14	1
Residual Range Organics (RRO) (C25-C36)	280		27	5.4	mg/Kg	☼	10/27/21 10:00	10/27/21 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:14*	*1*
n-Triacontane-d62	*114*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:14*	*1*

Client Sample ID: SB-2 (4-5)
Lab Sample ID: 590-16195-2
Date Collected: 10/22/21 12:45
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 69.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.40	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chloromethane	ND		2.0	0.17	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Vinyl chloride	ND		0.24	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromomethane	ND		2.0	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chloroethane	ND		0.79	0.22	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Trichlorofluoromethane	ND		0.79	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1-Dichloroethene	ND		0.40	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Methylene Chloride	ND		1.4	0.79	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
trans-1,2-Dichloroethene	ND		0.40	0.091	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1-Dichloroethane	ND		0.40	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
2,2-Dichloropropane	ND	*+	0.40	0.096	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
cis-1,2-Dichloroethene	ND	*+	0.40	0.083	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromochloromethane	ND		0.40	0.16	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chloroform	ND		0.40	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,1-Trichloroethane	ND		0.40	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Carbon tetrachloride	ND		0.40	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1-Dichloropropene	ND		0.40	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Benzene	ND		0.079	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dichloroethane	ND		0.40	0.028	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Trichloroethene	ND		0.099	0.030	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dichloropropane	ND	*+	0.48	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Dibromomethane	ND	*+	0.40	0.089	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromodichloromethane	ND		0.40	0.25	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
cis-1,3-Dichloropropene	ND	*+	0.40	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Toluene	ND		0.40	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
trans-1,3-Dichloropropene	ND		0.40	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,2-Trichloroethane	ND		0.40	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Tetrachloroethene	ND		0.16	0.070	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,3-Dichloropropane	ND		0.40	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Dibromochloromethane	ND		0.79	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dibromoethane (EDB)	ND		0.40	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chlorobenzene	ND		0.40	0.082	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Ethylbenzene	ND		0.40	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,1,2-Tetrachloroethane	ND		0.40	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,2,2-Tetrachloroethane	ND		0.40	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
m,p-Xylene	ND		1.6	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1

Client Sample ID: SB-2 (4-5)
Date Collected: 10/22/21 12:45
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-2
Matrix: Solid
Percent Solids: 69.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.79	0.091	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Styrene	ND		0.40	0.094	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromoform	ND		0.79	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Isopropylbenzene	ND		0.40	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromobenzene	ND		0.40	0.089	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
N-Propylbenzene	ND		0.40	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,3-Trichloropropane	ND		0.79	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
2-Chlorotoluene	ND		0.40	0.065	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,3,5-Trimethylbenzene	ND		0.40	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
4-Chlorotoluene	ND		0.40	0.035	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
tert-Butylbenzene	ND		0.40	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,4-Trimethylbenzene	ND		0.40	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
sec-Butylbenzene	ND		0.40	0.074	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,3-Dichlorobenzene	ND		0.40	0.050	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
p-Isopropyltoluene	ND		0.40	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,4-Dichlorobenzene	ND		0.40	0.082	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
n-Butylbenzene	ND		0.40	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dichlorobenzene	ND	*+	0.40	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.24	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,4-Trichlorobenzene	ND		0.40	0.073	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,3-Trichlorobenzene	ND		0.40	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Hexachlorobutadiene	ND		0.40	0.065	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Naphthalene	ND		0.79	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Methyl tert-butyl ether	ND	*+	0.20	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*10/28/21 09:19*	*10/28/21 13:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 122*	*10/28/21 09:19*	*10/28/21 13:31*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/28/21 09:19*	*10/28/21 13:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*	*10/28/21 09:19*	*10/28/21 13:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		20	7.1	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 13:31*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		14	3.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
2-Methylnaphthalene	ND		14	4.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
1-Methylnaphthalene	ND		14	3.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Acenaphthylene	ND		14	4.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Acenaphthene	ND		14	3.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Fluorene	ND		14	3.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Phenanthrene	ND		14	5.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Anthracene	ND		14	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Fluoranthene	ND		14	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Pyrene	ND		14	5.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1

Client Sample ID: SB-2 (4-5)
Lab Sample ID: 590-16195-2

Date Collected: 10/22/21 12:45
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 69.9

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		14	3.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Chrysene	ND		14	2.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[b]fluoranthene	ND		14	5.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[k]fluoranthene	ND		14	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[a]pyrene	ND		14	6.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Indeno[1,2,3-cd]pyrene	ND		14	4.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Dibenz(a,h)anthracene	ND		14	4.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[g,h,i]perylene	ND		14	3.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*33 - 120*	*10/26/21 09:51*	*10/26/21 18:04*	*1*
2-Fluorobiphenyl (Surr)	*65*		*47 - 120*	*10/26/21 09:51*	*10/26/21 18:04*	*1*
p-Terphenyl-d14	*95*		*74 - 120*	*10/26/21 09:51*	*10/26/21 18:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		14	5.9	mg/Kg	☼	10/27/21 10:00	10/27/21 14:34	1
Residual Range Organics (RRO) (C25-C36)	ND		35	7.1	mg/Kg	☼	10/27/21 10:00	10/27/21 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:34*	*1*
n-Triacontane-d62	*106*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:34*	*1*

Client Sample ID: SB-3 (2-3)
Lab Sample ID: 590-16195-3

Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.23	0.066	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chloromethane	ND		1.2	0.098	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Vinyl chloride	ND		0.14	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromomethane	ND		1.2	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chloroethane	ND		0.47	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Trichlorofluoromethane	ND		0.47	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1-Dichloroethene	ND		0.23	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Methylene Chloride	ND		0.82	0.47	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
trans-1,2-Dichloroethene	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1-Dichloroethane	ND		0.23	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
2,2-Dichloropropane	ND	*+	0.23	0.057	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
cis-1,2-Dichloroethene	ND	*+	0.23	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromochloromethane	ND		0.23	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chloroform	ND		0.23	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,1-Trichloroethane	ND		0.23	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Carbon tetrachloride	ND		0.23	0.026	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1-Dichloropropene	ND		0.23	0.041	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Benzene	ND		0.047	0.023	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dichloroethane	ND		0.23	0.016	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Trichloroethene	ND		0.058	0.018	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1

Client Sample ID: SB-3 (2-3)
Date Collected: 10/22/21 13:30
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-3
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND	*+	0.28	0.071	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Dibromomethane	ND	*+	0.23	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromodichloromethane	ND		0.23	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
cis-1,3-Dichloropropene	ND	*+	0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Toluene	ND		0.23	0.031	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
trans-1,3-Dichloropropene	ND		0.23	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,2-Trichloroethane	ND		0.23	0.083	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Tetrachloroethene	**1.3**		0.094	0.041	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,3-Dichloropropane	ND		0.23	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Dibromochloromethane	ND		0.47	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dibromoethane (EDB)	ND		0.23	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chlorobenzene	ND		0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Ethylbenzene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,1,2-Tetrachloroethane	ND		0.23	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,2,2-Tetrachloroethane	ND		0.23	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
m,p-Xylene	ND		0.94	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
o-Xylene	ND		0.47	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Styrene	ND		0.23	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromoform	ND		0.47	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Isopropylbenzene	ND		0.23	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromobenzene	ND		0.23	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
N-Propylbenzene	ND		0.23	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,3-Trichloropropane	ND		0.47	0.086	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
2-Chlorotoluene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,3,5-Trimethylbenzene	ND		0.23	0.075	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
4-Chlorotoluene	ND		0.23	0.020	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
tert-Butylbenzene	ND		0.23	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,4-Trimethylbenzene	**0.12**	**J**	0.23	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
sec-Butylbenzene	ND		0.23	0.043	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,3-Dichlorobenzene	ND		0.23	0.029	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
p-Isopropyltoluene	ND		0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,4-Dichlorobenzene	ND		0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
n-Butylbenzene	ND		0.23	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dichlorobenzene	ND	*+	0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dibromo-3-Chloropropane	ND		1.2	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,4-Trichlorobenzene	ND		0.23	0.043	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,3-Trichlorobenzene	ND		0.23	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Hexachlorobutadiene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Naphthalene	ND		0.47	0.065	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Methyl tert-butyl ether	ND	*+	0.12	0.070	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*10/28/21 09:19*	*10/28/21 14:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*	*10/28/21 09:19*	*10/28/21 14:56*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*	*10/28/21 09:19*	*10/28/21 14:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 129*	*10/28/21 09:19*	*10/28/21 14:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**10**	**J**	12	4.2	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1

Client Sample ID: SB-3 (2-3)
Lab Sample ID: 590-16195-3

Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		41.5 - 162	10/28/21 09:19	10/28/21 14:56	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**7.9**	**J**	11	2.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
2-Methylnaphthalene	**13**		11	3.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
1-Methylnaphthalene	**8.8**	**J**	11	2.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Acenaphthylene	ND		11	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Fluorene	ND		11	2.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Phenanthrene	**14**		11	3.9	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Anthracene	**2.2**	**J**	11	2.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Fluoranthene	**5.0**	**J**	11	2.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Pyrene	**10**	**J**	11	4.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[a]anthracene	**3.7**	**J**	11	2.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Chrysene	**4.5**	**J**	11	1.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[b]fluoranthene	**4.5**	**J**	11	3.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[k]fluoranthene	ND		11	2.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[a]pyrene	ND		11	4.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Indeno[1,2,3-cd]pyrene	ND		11	3.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Dibenz(a,h)anthracene	ND		11	3.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[g,h,i]perylene	**3.7**	**J**	11	2.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		33 - 120	10/26/21 09:51	10/26/21 18:28	1
2-Fluorobiphenyl (Surr)	71		47 - 120	10/26/21 09:51	10/26/21 18:28	1
p-Terphenyl-d14	78		74 - 120	10/26/21 09:51	10/26/21 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**84**		11	4.5	mg/Kg	☼	10/27/21 10:00	10/27/21 15:14	1
Residual Range Organics (RRO) (C25-C36)	**240**		27	5.3	mg/Kg	☼	10/27/21 10:00	10/27/21 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	10/27/21 10:00	10/27/21 15:14	1
n-Triacontane-d62	109		50 - 150	10/27/21 10:00	10/27/21 15:14	1

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4

Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.26	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chloromethane	ND		1.3	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Vinyl chloride	ND		0.15	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromomethane	ND		1.3	0.085	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chloroethane	ND		0.51	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Trichlorofluoromethane	ND		0.51	0.084	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1-Dichloroethene	ND		0.26	0.087	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: SB-4 (2-3)
Date Collected: 10/22/21 14:15
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-4
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.90	0.51	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
trans-1,2-Dichloroethene	ND		0.26	0.059	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1-Dichloroethane	ND		0.26	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
2,2-Dichloropropane	ND	*+	0.26	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
cis-1,2-Dichloroethene	ND	*+	0.26	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromochloromethane	ND		0.26	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chloroform	ND		0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,1-Trichloroethane	ND		0.26	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Carbon tetrachloride	ND		0.26	0.028	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1-Dichloropropene	ND		0.26	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Benzene	ND		0.051	0.026	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dichloroethane	ND		0.26	0.018	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Trichloroethene	ND		0.064	0.019	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dichloropropane	ND	*+	0.31	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Dibromomethane	ND	*+	0.26	0.057	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromodichloromethane	ND		0.26	0.16	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
cis-1,3-Dichloropropene	ND	*+	0.26	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Toluene	ND		0.26	0.034	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
trans-1,3-Dichloropropene	ND		0.26	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,2-Trichloroethane	ND		0.26	0.090	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Tetrachloroethene	ND		0.10	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,3-Dichloropropane	ND		0.26	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Dibromochloromethane	ND		0.51	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dibromoethane (EDB)	ND		0.26	0.086	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chlorobenzene	ND		0.26	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Ethylbenzene	ND		0.26	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,1,2-Tetrachloroethane	ND		0.26	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,2,2-Tetrachloroethane	ND		0.26	0.075	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
m,p-Xylene	ND		1.0	0.074	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
o-Xylene	ND		0.51	0.059	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Styrene	ND		0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromoform	ND		0.51	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Isopropylbenzene	ND		0.26	0.079	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromobenzene	ND		0.26	0.057	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
N-Propylbenzene	ND		0.26	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2,3-Trichloropropane	ND		0.51	0.094	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
2-Chlorotoluene	ND		0.26	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,3,5-Trimethylbenzene	ND		0.26	0.082	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
4-Chlorotoluene	ND		0.26	0.022	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
tert-Butylbenzene	ND		0.26	0.050	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2,4-Trimethylbenzene	ND		0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
sec-Butylbenzene	ND		0.26	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,3-Dichlorobenzene	ND		0.26	0.032	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
p-Isopropyltoluene	ND		0.26	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,4-Dichlorobenzene	ND		0.26	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
n-Butylbenzene	ND		0.26	0.070	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dichlorobenzene	ND	*+	0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dibromo-3-Chloropropane	ND		1.3	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2,4-Trichlorobenzene	ND		0.26	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Client Sample ID: SB-4 (2-3)
Date Collected: 10/22/21 14:15
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-4
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		0.26	0.086	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Hexachlorobutadiene	ND		0.26	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Naphthalene	ND		0.51	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Methyl tert-butyl ether	ND	*+	0.13	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 122*	*10/28/21 09:19*	*10/28/21 15:17*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 129*	*10/28/21 09:19*	*10/28/21 15:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		13	4.6	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 15:17*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
2-Methylnaphthalene	ND		11	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
1-Methylnaphthalene	ND		11	2.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Acenaphthylene	ND		11	3.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Acenaphthene	ND		11	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Fluorene	ND		11	2.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Phenanthrene	ND		11	4.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Anthracene	ND		11	2.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Fluoranthene	ND		11	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Pyrene	ND		11	4.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[a]anthracene	ND		11	2.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Chrysene	ND		11	1.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[b]fluoranthene	ND		11	3.9	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[k]fluoranthene	ND		11	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[a]pyrene	ND		11	4.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Indeno[1,2,3-cd]pyrene	ND		11	3.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Dibenz(a,h)anthracene	ND		11	3.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[g,h,i]perylene	ND		11	2.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*67*		*33 - 120*	*10/26/21 09:51*	*10/26/21 18:52*	*1*
2-Fluorobiphenyl (Surr)	*68*		*47 - 120*	*10/26/21 09:51*	*10/26/21 18:52*	*1*
p-Terphenyl-d14	*91*		*74 - 120*	*10/26/21 09:51*	*10/26/21 18:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.7	mg/Kg	☼	10/27/21 10:00	10/27/21 15:34	1
Residual Range Organics (RRO) (C25-C36)	ND		28	5.6	mg/Kg	☼	10/27/21 10:00	10/27/21 15:34	1

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4

Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 86.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*10/27/21 10:00*	*10/27/21 15:34*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*10/27/21 10:00*	*10/27/21 15:34*	*1*

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5

Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.24	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chloromethane	ND		1.2	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Vinyl chloride	ND		0.14	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromomethane	ND		1.2	0.079	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chloroethane	ND		0.48	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Trichlorofluoromethane	ND		0.48	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1-Dichloroethene	ND		0.24	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Methylene Chloride	ND		0.84	0.48	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
trans-1,2-Dichloroethene	ND		0.24	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1-Dichloroethane	ND		0.24	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
2,2-Dichloropropane	ND	*+	0.24	0.058	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
cis-1,2-Dichloroethene	ND	*+	0.24	0.050	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromochloromethane	ND		0.24	0.095	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chloroform	ND		0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,1-Trichloroethane	**0.10**	**J**	0.24	0.041	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Carbon tetrachloride	ND		0.24	0.026	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1-Dichloropropene	ND		0.24	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Benzene	ND		0.048	0.024	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dichloroethane	ND		0.24	0.017	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Trichloroethene	ND		0.060	0.018	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dichloropropane	ND	*+	0.29	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Dibromomethane	ND	*+	0.24	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromodichloromethane	ND		0.24	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
cis-1,3-Dichloropropene	ND	*+	0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Toluene	**0.038**	**J**	0.24	0.032	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
trans-1,3-Dichloropropene	ND		0.24	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,2-Trichloroethane	ND		0.24	0.084	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Tetrachloroethene	**1.8**		0.095	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,3-Dichloropropane	ND		0.24	0.071	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Dibromochloromethane	ND		0.48	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dibromoethane (EDB)	ND		0.24	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chlorobenzene	ND		0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Ethylbenzene	ND		0.24	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,1,2-Tetrachloroethane	ND		0.24	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,2,2-Tetrachloroethane	ND		0.24	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
m,p-Xylene	ND		0.95	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
o-Xylene	ND		0.48	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Styrene	ND		0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromoform	ND		0.48	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Isopropylbenzene	ND		0.24	0.074	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromobenzene	ND		0.24	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: SB-5 (1-2)
Date Collected: 10/22/21 15:00
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-5
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.24	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,3-Trichloropropane	ND		0.48	0.087	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
2-Chlorotoluene	ND		0.24	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,3,5-Trimethylbenzene	ND		0.24	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
4-Chlorotoluene	ND		0.24	0.021	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
tert-Butylbenzene	ND		0.24	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,4-Trimethylbenzene	ND		0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
sec-Butylbenzene	ND		0.24	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,3-Dichlorobenzene	ND		0.24	0.030	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
p-Isopropyltoluene	ND		0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,4-Dichlorobenzene	ND		0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
n-Butylbenzene	ND		0.24	0.066	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dichlorobenzene	ND	*+	0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dibromo-3-Chloropropane	ND		1.2	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,4-Trichlorobenzene	ND		0.24	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,3-Trichlorobenzene	ND		0.24	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Hexachlorobutadiene	ND		0.24	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Naphthalene	ND		0.48	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Methyl tert-butyl ether	ND	*+	0.12	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:38*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 122*	*10/28/21 09:19*	*10/28/21 15:38*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 129*	*10/28/21 09:19*	*10/28/21 15:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**4.7**	**J**	12	4.3	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 15:38*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
2-Methylnaphthalene	ND		56	17	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
1-Methylnaphthalene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Acenaphthylene	ND		56	18	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Acenaphthene	ND		56	14	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Fluorene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Phenanthrene	ND		56	20	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Anthracene	ND		56	11	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Fluoranthene	ND		56	14	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Pyrene	ND		56	21	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[a]anthracene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Chrysene	ND		56	8.4	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[b]fluoranthene	ND		56	19	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[k]fluoranthene	ND		56	14	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[a]pyrene	ND		56	23	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5
Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		56	16	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Dibenz(a,h)anthracene	ND		56	16	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[g,h,i]perylene	ND		56	13	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*88*		*33 - 120*	*10/26/21 09:51*	*10/26/21 19:16*	*5*
2-Fluorobiphenyl (Surr)	*81*		*47 - 120*	*10/26/21 09:51*	*10/26/21 19:16*	*5*
p-Terphenyl-d14	*81*		*74 - 120*	*10/26/21 09:51*	*10/26/21 19:16*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**1700**		110	46	mg/Kg	☼	10/27/21 10:00	10/28/21 07:42	10
Residual Range Organics (RRO) (C25-C36)	**4900**		280	55	mg/Kg	☼	10/27/21 10:00	10/28/21 07:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*50 - 150*	*10/27/21 10:00*	*10/28/21 07:42*	*10*
n-Triacontane-d62	*103*		*50 - 150*	*10/27/21 10:00*	*10/28/21 07:42*	*10*

Client Sample ID: Trip Blank
Lab Sample ID: 590-16195-6
Date Collected: 10/22/21 10:00
Matrix: Solid
Date Received: 10/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.097	0.027	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chloromethane	ND		0.48	0.040	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Vinyl chloride	ND		0.058	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromomethane	ND		0.48	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chloroethane	ND		0.19	0.055	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Trichlorofluoromethane	ND		0.19	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1-Dichloroethene	ND		0.097	0.033	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Methylene Chloride	ND		0.34	0.19	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
trans-1,2-Dichloroethene	ND		0.097	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1-Dichloroethane	ND		0.097	0.026	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
2,2-Dichloropropane	ND	*+	0.097	0.024	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
cis-1,2-Dichloroethene	ND	*+	0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromochloromethane	ND		0.097	0.039	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chloroform	ND		0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,1-Trichloroethane	ND		0.097	0.017	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Carbon tetrachloride	ND		0.097	0.011	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1-Dichloropropene	ND		0.097	0.017	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Benzene	ND		0.019	0.0097	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dichloroethane	ND		0.097	0.0068	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Trichloroethene	ND		0.024	0.0074	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dichloropropane	ND	*+	0.12	0.029	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Dibromomethane	ND	*+	0.097	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromodichloromethane	ND		0.097	0.060	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
cis-1,3-Dichloropropene	ND	*+	0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Toluene	ND		0.097	0.013	mg/Kg		10/28/21 09:19	10/28/21 15:59	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: Trip Blank

Date Collected: 10/22/21 10:00
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.097	0.026	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,2-Trichloroethane	ND		0.097	0.034	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Tetrachloroethene	ND		0.039	0.017	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,3-Dichloropropane	ND		0.097	0.029	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Dibromochloromethane	ND		0.19	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dibromoethane (EDB)	ND		0.097	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chlorobenzene	ND		0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Ethylbenzene	ND		0.097	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,1,2-Tetrachloroethane	ND		0.097	0.019	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,2,2-Tetrachloroethane	ND		0.097	0.028	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
m,p-Xylene	ND		0.39	0.028	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
o-Xylene	ND		0.19	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Styrene	ND		0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromoform	ND		0.19	0.019	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Isopropylbenzene	ND		0.097	0.030	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromobenzene	ND		0.097	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
N-Propylbenzene	ND		0.097	0.026	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,3-Trichloropropane	ND		0.19	0.035	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
2-Chlorotoluene	ND		0.097	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,3,5-Trimethylbenzene	ND		0.097	0.031	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
4-Chlorotoluene	ND		0.097	0.0084	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
tert-Butylbenzene	ND		0.097	0.019	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,4-Trimethylbenzene	ND		0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
sec-Butylbenzene	ND		0.097	0.018	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,3-Dichlorobenzene	ND		0.097	0.012	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
p-Isopropyltoluene	ND		0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,4-Dichlorobenzene	ND		0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
n-Butylbenzene	ND		0.097	0.027	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dichlorobenzene	ND	*+	0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dibromo-3-Chloropropane	ND		0.48	0.058	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,4-Trichlorobenzene	ND		0.097	0.018	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,3-Trichlorobenzene	ND		0.097	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Hexachlorobutadiene	ND		0.097	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Naphthalene	ND		0.19	0.027	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Methyl tert-butyl ether	ND	*+	0.048	0.029	mg/Kg		10/28/21 09:19	10/28/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 122*	*10/28/21 09:19*	*10/28/21 15:59*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 129*	*10/28/21 09:19*	*10/28/21 15:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.8	1.7	mg/Kg		10/28/21 09:19	10/28/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 15:59*	*1*

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

Lab Sample ID: MB 590-33778/1-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chloromethane	ND		0.50	0.042	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromomethane	ND		0.50	0.033	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chloroethane	ND		0.20	0.056	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1-Dichloroethene	ND		0.10	0.034	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1-Dichloroethane	ND		0.10	0.026	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
2,2-Dichloropropane	ND		0.10	0.024	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chloroform	ND		0.10	0.024	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,1-Trichloroethane	ND		0.10	0.017	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1-Dichloropropene	ND		0.10	0.017	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Benzene	ND		0.020	0.010	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dichloroethane	ND		0.10	0.0070	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Trichloroethene	ND		0.025	0.0076	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Dibromomethane	ND		0.10	0.022	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromodichloromethane	ND		0.10	0.062	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
cis-1,3-Dichloropropene	ND		0.10	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Toluene	ND		0.10	0.013	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
trans-1,3-Dichloropropene	ND		0.10	0.026	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,2-Trichloroethane	ND		0.10	0.035	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Tetrachloroethene	ND		0.040	0.018	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
o-Xylene	ND		0.20	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Styrene	ND		0.10	0.024	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromoform	ND		0.20	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromobenzene	ND		0.10	0.022	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
N-Propylbenzene	ND		0.10	0.026	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
2-Chlorotoluene	ND		0.10	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
4-Chlorotoluene	ND		0.10	0.0087	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,4-Trimethylbenzene	ND		0.10	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1

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

Lab Sample ID: MB 590-33778/1-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
p-Isopropyltoluene	ND		0.10	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dichlorobenzene	ND		0.10	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,3-Trichlorobenzene	ND		0.10	0.033	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Hexachlorobutadiene	ND		0.10	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Naphthalene	ND		0.20	0.028	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		10/28/21 09:16	10/28/21 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*	*10/28/21 09:16*	*10/28/21 11:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*	*10/28/21 09:16*	*10/28/21 11:03*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/28/21 09:16*	*10/28/21 11:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 129*	*10/28/21 09:16*	*10/28/21 11:03*	*1*

Lab Sample ID: LCS 590-33778/2-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.500	0.332		mg/Kg		66	34 - 120
Chloromethane	0.500	0.452	J	mg/Kg		90	63 - 120
Vinyl chloride	0.500	0.540		mg/Kg		108	66 - 129
Bromomethane	0.500	0.554		mg/Kg		111	56 - 138
Chloroethane	0.500	0.521		mg/Kg		104	50 - 142
Trichlorofluoromethane	0.500	0.577		mg/Kg		115	64 - 143
1,1-Dichloroethene	0.500	0.614		mg/Kg		123	73 - 135
Methylene Chloride	0.500	0.628		mg/Kg		126	30 - 150
trans-1,2-Dichloroethene	0.500	0.585		mg/Kg		117	80 - 126
1,1-Dichloroethane	0.500	0.591		mg/Kg		118	80 - 129
2,2-Dichloropropane	0.500	0.685		mg/Kg		137	80 - 138
cis-1,2-Dichloroethene	0.500	0.619		mg/Kg		124	80 - 124
Bromochloromethane	0.500	0.607		mg/Kg		121	75 - 135
Chloroform	0.500	0.609		mg/Kg		122	80 - 130
1,1,1-Trichloroethane	0.500	0.621		mg/Kg		124	80 - 130
Carbon tetrachloride	0.500	0.622		mg/Kg		124	72 - 138
1,1-Dichloropropene	0.500	0.632		mg/Kg		126	78 - 132
Benzene	0.500	0.625		mg/Kg		125	76 - 129
1,2-Dichloroethane	0.500	0.633		mg/Kg		127	80 - 129
Trichloroethene	0.500	0.602		mg/Kg		120	79 - 133
1,2-Dichloropropane	0.500	0.634	*+	mg/Kg		127	75 - 121
Dibromomethane	0.500	0.632	*+	mg/Kg		126	80 - 123
Bromodichloromethane	0.500	0.617		mg/Kg		123	80 - 128
cis-1,3-Dichloropropene	0.500	0.614		mg/Kg		123	80 - 126

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

Lab Sample ID: LCS 590-33778/2-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.500	0.604		mg/Kg		121	77 - 131
trans-1,3-Dichloropropene	0.500	0.601		mg/Kg		120	80 - 124
1,1,2-Trichloroethane	0.500	0.598		mg/Kg		120	80 - 125
Tetrachloroethene	0.500	0.623		mg/Kg		125	77 - 134
1,3-Dichloropropane	0.500	0.582		mg/Kg		116	76 - 125
Dibromochloromethane	0.500	0.610		mg/Kg		122	78 - 127
1,2-Dibromoethane (EDB)	0.500	0.562		mg/Kg		112	80 - 121
Chlorobenzene	0.500	0.609		mg/Kg		122	80 - 129
Ethylbenzene	0.500	0.625		mg/Kg		125	77 - 126
1,1,1,2-Tetrachloroethane	0.500	0.624		mg/Kg		125	80 - 128
1,1,2,2-Tetrachloroethane	0.500	0.604		mg/Kg		121	75 - 128
m,p-Xylene	0.500	0.625		mg/Kg		125	78 - 130
o-Xylene	0.500	0.623		mg/Kg		125	77 - 129
Styrene	0.500	0.616		mg/Kg		123	80 - 128
Bromoform	0.500	0.593		mg/Kg		119	72 - 133
Isopropylbenzene	0.500	0.632		mg/Kg		126	78 - 139
Bromobenzene	0.500	0.638		mg/Kg		128	75 - 129
N-Propylbenzene	0.500	0.632		mg/Kg		126	77 - 131
1,2,3-Trichloropropane	0.500	0.640		mg/Kg		128	67 - 131
2-Chlorotoluene	0.500	0.602		mg/Kg		120	77 - 135
1,3,5-Trimethylbenzene	0.500	0.622		mg/Kg		124	76 - 133
4-Chlorotoluene	0.500	0.618		mg/Kg		124	77 - 133
tert-Butylbenzene	0.500	0.632		mg/Kg		126	76 - 130
1,2,4-Trimethylbenzene	0.500	0.654		mg/Kg		131	76 - 132
sec-Butylbenzene	0.500	0.623		mg/Kg		125	76 - 130
1,3-Dichlorobenzene	0.500	0.612		mg/Kg		122	80 - 123
p-Isopropyltoluene	0.500	0.638		mg/Kg		128	80 - 130
1,4-Dichlorobenzene	0.500	0.610		mg/Kg		122	80 - 125
n-Butylbenzene	0.500	0.614		mg/Kg		123	80 - 131
1,2-Dichlorobenzene	0.500	0.635	*+	mg/Kg		127	80 - 124
1,2-Dibromo-3-Chloropropane	0.500	0.608		mg/Kg		122	49 - 139
1,2,4-Trichlorobenzene	0.500	0.608		mg/Kg		122	79 - 126
1,2,3-Trichlorobenzene	0.500	0.625		mg/Kg		125	66 - 130
Hexachlorobutadiene	0.500	0.672		mg/Kg		134	80 - 136
Naphthalene	0.500	0.603		mg/Kg		121	53 - 144
Methyl tert-butyl ether	0.500	0.626	*+	mg/Kg		125	80 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 129*

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

Lab Sample ID: LCSD 590-33778/18-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	0.500	0.350		mg/Kg		70	34 - 120	5	24
Chloromethane	0.500	0.424	J	mg/Kg		85	63 - 120	6	22
Vinyl chloride	0.500	0.518		mg/Kg		104	66 - 129	4	20
Bromomethane	0.500	0.504		mg/Kg		101	56 - 138	9	21
Chloroethane	0.500	0.513		mg/Kg		103	50 - 142	2	25
Trichlorofluoromethane	0.500	0.568		mg/Kg		114	64 - 143	2	25
1,1-Dichloroethene	0.500	0.612		mg/Kg		122	73 - 135	0	18
Methylene Chloride	0.500	0.623		mg/Kg		125	30 - 150	1	40
trans-1,2-Dichloroethene	0.500	0.585		mg/Kg		117	80 - 126	0	25
1,1-Dichloroethane	0.500	0.580		mg/Kg		116	80 - 129	2	25
2,2-Dichloropropane	0.500	0.696	*+	mg/Kg		139	80 - 138	2	22
cis-1,2-Dichloroethene	0.500	0.642	*+	mg/Kg		128	80 - 124	4	23
Bromochloromethane	0.500	0.597		mg/Kg		119	75 - 135	2	25
Chloroform	0.500	0.632		mg/Kg		126	80 - 130	4	25
1,1,1-Trichloroethane	0.500	0.610		mg/Kg		122	80 - 130	2	19
Carbon tetrachloride	0.500	0.631		mg/Kg		126	72 - 138	1	25
1,1-Dichloropropene	0.500	0.633		mg/Kg		127	78 - 132	0	24
Benzene	0.500	0.616		mg/Kg		123	76 - 129	1	25
1,2-Dichloroethane	0.500	0.629		mg/Kg		126	80 - 129	1	25
Trichloroethene	0.500	0.610		mg/Kg		122	79 - 133	1	25
1,2-Dichloropropane	0.500	0.558		mg/Kg		112	75 - 121	13	20
Dibromomethane	0.500	0.598		mg/Kg		120	80 - 123	5	24
Bromodichloromethane	0.500	0.636		mg/Kg		127	80 - 128	3	26
cis-1,3-Dichloropropene	0.500	0.633	*+	mg/Kg		127	80 - 126	3	24
Toluene	0.500	0.587		mg/Kg		117	77 - 131	3	25
trans-1,3-Dichloropropene	0.500	0.587		mg/Kg		117	80 - 124	2	28
1,1,2-Trichloroethane	0.500	0.568		mg/Kg		114	80 - 125	5	31
Tetrachloroethene	0.500	0.609		mg/Kg		122	77 - 134	2	24
1,3-Dichloropropane	0.500	0.586		mg/Kg		117	76 - 125	1	16
Dibromochloromethane	0.500	0.599		mg/Kg		120	78 - 127	2	25
1,2-Dibromoethane (EDB)	0.500	0.560		mg/Kg		112	80 - 121	0	18
Chlorobenzene	0.500	0.600		mg/Kg		120	80 - 129	1	25
Ethylbenzene	0.500	0.610		mg/Kg		122	77 - 126	2	25
1,1,1,2-Tetrachloroethane	0.500	0.561		mg/Kg		112	80 - 128	11	25
1,1,2,2-Tetrachloroethane	0.500	0.597		mg/Kg		119	75 - 128	1	22
m,p-Xylene	0.500	0.596		mg/Kg		119	78 - 130	5	23
o-Xylene	0.500	0.595		mg/Kg		119	77 - 129	5	25
Styrene	0.500	0.590		mg/Kg		118	80 - 128	4	25
Bromoform	0.500	0.579		mg/Kg		116	72 - 133	2	34
Isopropylbenzene	0.500	0.588		mg/Kg		118	78 - 139	7	24
Bromobenzene	0.500	0.618		mg/Kg		124	75 - 129	3	25
N-Propylbenzene	0.500	0.617		mg/Kg		123	77 - 131	2	25
1,2,3-Trichloropropane	0.500	0.628		mg/Kg		126	67 - 131	2	27
2-Chlorotoluene	0.500	0.576		mg/Kg		115	77 - 135	4	20
1,3,5-Trimethylbenzene	0.500	0.617		mg/Kg		123	76 - 133	1	20
4-Chlorotoluene	0.500	0.612		mg/Kg		122	77 - 133	1	25
tert-Butylbenzene	0.500	0.616		mg/Kg		123	76 - 130	3	16
1,2,4-Trimethylbenzene	0.500	0.638		mg/Kg		128	76 - 132	2	21

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

Lab Sample ID: LCSD 590-33778/18-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33778

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene			0.500	0.619		mg/Kg		124	76 - 130	1	34
1,3-Dichlorobenzene			0.500	0.601		mg/Kg		120	80 - 123	2	18
p-Isopropyltoluene			0.500	0.638		mg/Kg		128	80 - 130	0	26
1,4-Dichlorobenzene			0.500	0.602		mg/Kg		120	80 - 125	1	16
n-Butylbenzene			0.500	0.611		mg/Kg		122	80 - 131	0	20
1,2-Dichlorobenzene			0.500	0.608		mg/Kg		122	80 - 124	4	25
1,2-Dibromo-3-Chloropropane			0.500	0.625		mg/Kg		125	49 - 139	3	40
1,2,4-Trichlorobenzene			0.500	0.616		mg/Kg		123	79 - 126	1	25
1,2,3-Trichlorobenzene			0.500	0.621		mg/Kg		124	66 - 130	1	25
Hexachlorobutadiene			0.500	0.653		mg/Kg		131	80 - 136	3	25
Naphthalene			0.500	0.586		mg/Kg		117	53 - 144	3	36
Methyl tert-butyl ether			0.500	0.638	*+	mg/Kg		128	80 - 123	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*76 - 122*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 129*

Lab Sample ID: 590-16195-2 MS
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND		1.99	1.81		mg/Kg	☼	91	34 - 120
Chloromethane	ND		1.99	1.88	J	mg/Kg	☼	95	63 - 120
Vinyl chloride	ND		1.99	2.34		mg/Kg	☼	118	66 - 129
Bromomethane	ND		1.99	2.13		mg/Kg	☼	107	56 - 138
Chloroethane	ND		1.99	2.11		mg/Kg	☼	106	50 - 142
Trichlorofluoromethane	ND		1.99	2.33		mg/Kg	☼	117	64 - 143
1,1-Dichloroethene	ND		1.99	2.34		mg/Kg	☼	118	73 - 135
Methylene Chloride	ND		1.99	2.20		mg/Kg	☼	111	30 - 150
trans-1,2-Dichloroethene	ND		1.99	2.32		mg/Kg	☼	117	80 - 126
1,1-Dichloroethane	ND		1.99	2.16		mg/Kg	☼	109	80 - 129
2,2-Dichloropropane	ND	*+	1.99	2.36		mg/Kg	☼	119	80 - 138
cis-1,2-Dichloroethene	ND	*+	1.99	2.35		mg/Kg	☼	118	80 - 124
Bromochloromethane	ND		1.99	2.18		mg/Kg	☼	110	75 - 135
Chloroform	ND		1.99	2.35		mg/Kg	☼	118	80 - 130
1,1,1-Trichloroethane	ND		1.99	2.36		mg/Kg	☼	119	80 - 130
Carbon tetrachloride	ND		1.99	2.37		mg/Kg	☼	119	72 - 138
1,1-Dichloropropene	ND		1.99	2.43		mg/Kg	☼	122	78 - 132
Benzene	ND		1.99	2.33		mg/Kg	☼	117	76 - 129
1,2-Dichloroethane	ND		1.99	2.19		mg/Kg	☼	110	80 - 129
Trichloroethene	ND		1.99	2.38		mg/Kg	☼	120	79 - 133
1,2-Dichloropropane	ND	*+	1.99	2.14		mg/Kg	☼	108	75 - 121
Dibromomethane	ND	*+	1.99	2.18		mg/Kg	☼	110	80 - 123
Bromodichloromethane	ND		1.99	2.19		mg/Kg	☼	110	80 - 128
cis-1,3-Dichloropropene	ND	*+	1.99	2.27		mg/Kg	☼	115	80 - 126

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

Lab Sample ID: 590-16195-2 MS
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	ND		1.99	2.24		mg/Kg	☼	113	77 - 131
trans-1,3-Dichloropropene	ND		1.99	2.09		mg/Kg	☼	105	80 - 124
1,1,2-Trichloroethane	ND		1.99	2.20		mg/Kg	☼	111	80 - 125
Tetrachloroethene	ND		1.99	2.37		mg/Kg	☼	119	77 - 134
1,3-Dichloropropane	ND		1.99	2.18		mg/Kg	☼	110	76 - 125
Dibromochloromethane	ND		1.99	2.14		mg/Kg	☼	108	78 - 127
1,2-Dibromoethane (EDB)	ND		1.99	2.07		mg/Kg	☼	104	80 - 121
Chlorobenzene	ND		1.99	2.32		mg/Kg	☼	117	80 - 129
Ethylbenzene	ND		1.99	2.29		mg/Kg	☼	115	77 - 126
1,1,1,2-Tetrachloroethane	ND		1.99	2.08		mg/Kg	☼	105	80 - 128
1,1,2,2-Tetrachloroethane	ND		1.99	2.16		mg/Kg	☼	109	75 - 128
m,p-Xylene	ND		1.99	2.33		mg/Kg	☼	117	78 - 130
o-Xylene	ND		1.99	2.25		mg/Kg	☼	113	77 - 129
Styrene	ND		1.99	2.27		mg/Kg	☼	114	80 - 128
Bromoform	ND		1.99	2.06		mg/Kg	☼	104	72 - 133
Isopropylbenzene	ND		1.99	2.27		mg/Kg	☼	114	78 - 139
Bromobenzene	ND		1.99	2.30		mg/Kg	☼	116	75 - 129
N-Propylbenzene	ND		1.99	2.32		mg/Kg	☼	117	77 - 131
1,2,3-Trichloropropane	ND		1.99	2.22		mg/Kg	☼	112	67 - 131
2-Chlorotoluene	ND		1.99	2.15		mg/Kg	☼	108	77 - 135
1,3,5-Trimethylbenzene	ND		1.99	2.28		mg/Kg	☼	115	76 - 133
4-Chlorotoluene	ND		1.99	2.30		mg/Kg	☼	116	77 - 133
tert-Butylbenzene	ND		1.99	2.35		mg/Kg	☼	118	76 - 130
1,2,4-Trimethylbenzene	ND		1.99	2.40		mg/Kg	☼	121	76 - 132
sec-Butylbenzene	ND		1.99	2.42		mg/Kg	☼	122	76 - 130
1,3-Dichlorobenzene	ND		1.99	2.26		mg/Kg	☼	114	80 - 123
p-Isopropyltoluene	ND		1.99	2.44		mg/Kg	☼	123	80 - 130
1,4-Dichlorobenzene	ND		1.99	2.23		mg/Kg	☼	113	80 - 125
n-Butylbenzene	ND		1.99	2.41		mg/Kg	☼	121	80 - 131
1,2-Dichlorobenzene	ND	*+	1.99	2.19		mg/Kg	☼	110	80 - 124
1,2-Dibromo-3-Chloropropane	ND		1.99	2.03		mg/Kg	☼	102	49 - 139
1,2,4-Trichlorobenzene	ND		1.99	2.27		mg/Kg	☼	114	79 - 126
1,2,3-Trichlorobenzene	ND		1.99	2.23		mg/Kg	☼	112	66 - 130
Hexachlorobutadiene	ND		1.99	2.62		mg/Kg	☼	132	80 - 136
Naphthalene	ND		1.99	2.19		mg/Kg	☼	110	53 - 144
Methyl tert-butyl ether	ND	*+	1.99	2.22		mg/Kg	☼	112	80 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*76 - 122*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 129*

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

Lab Sample ID: 590-16195-2 MSD
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND		1.99	1.75		mg/Kg	☼	88	34 - 120	4	24
Chloromethane	ND		1.99	1.80	J	mg/Kg	☼	91	63 - 120	4	22
Vinyl chloride	ND		1.99	2.16		mg/Kg	☼	109	66 - 129	8	20
Bromomethane	ND		1.99	2.01		mg/Kg	☼	101	56 - 138	6	21
Chloroethane	ND		1.99	2.16		mg/Kg	☼	109	50 - 142	3	25
Trichlorofluoromethane	ND		1.99	2.23		mg/Kg	☼	112	64 - 143	4	25
1,1-Dichloroethene	ND		1.99	2.25		mg/Kg	☼	113	73 - 135	4	18
Methylene Chloride	ND		1.99	1.65		mg/Kg	☼	83	30 - 150	29	40
trans-1,2-Dichloroethene	ND		1.99	2.26		mg/Kg	☼	114	80 - 126	3	25
1,1-Dichloroethane	ND		1.99	2.23		mg/Kg	☼	112	80 - 129	3	25
2,2-Dichloropropane	ND	*+	1.99	2.36		mg/Kg	☼	119	80 - 138	0	22
cis-1,2-Dichloroethene	ND	*+	1.99	2.38		mg/Kg	☼	120	80 - 124	1	23
Bromochloromethane	ND		1.99	2.41		mg/Kg	☼	121	75 - 135	10	25
Chloroform	ND		1.99	2.41		mg/Kg	☼	122	80 - 130	3	25
1,1,1-Trichloroethane	ND		1.99	2.23		mg/Kg	☼	112	80 - 130	6	19
Carbon tetrachloride	ND		1.99	2.37		mg/Kg	☼	119	72 - 138	0	25
1,1-Dichloropropene	ND		1.99	2.38		mg/Kg	☼	120	78 - 132	2	24
Benzene	ND		1.99	2.41		mg/Kg	☼	121	76 - 129	4	25
1,2-Dichloroethane	ND		1.99	2.41		mg/Kg	☼	121	80 - 129	9	25
Trichloroethene	ND		1.99	2.28		mg/Kg	☼	115	79 - 133	4	25
1,2-Dichloropropane	ND	*+	1.99	2.20		mg/Kg	☼	111	75 - 121	3	20
Dibromomethane	ND	*+	1.99	2.40		mg/Kg	☼	121	80 - 123	10	24
Bromodichloromethane	ND		1.99	2.31		mg/Kg	☼	116	80 - 128	5	26
cis-1,3-Dichloropropene	ND	*+	1.99	2.34		mg/Kg	☼	118	80 - 126	3	24
Toluene	ND		1.99	2.25		mg/Kg	☼	113	77 - 131	1	25
trans-1,3-Dichloropropene	ND		1.99	2.20		mg/Kg	☼	111	80 - 124	5	28
1,1,2-Trichloroethane	ND		1.99	2.19		mg/Kg	☼	110	80 - 125	1	31
Tetrachloroethene	ND		1.99	2.27		mg/Kg	☼	114	77 - 134	4	24
1,3-Dichloropropane	ND		1.99	2.22		mg/Kg	☼	112	76 - 125	2	16
Dibromochloromethane	ND		1.99	2.23		mg/Kg	☼	112	78 - 127	4	25
1,2-Dibromoethane (EDB)	ND		1.99	2.00		mg/Kg	☼	101	80 - 121	4	18
Chlorobenzene	ND		1.99	2.23		mg/Kg	☼	112	80 - 129	4	25
Ethylbenzene	ND		1.99	2.24		mg/Kg	☼	113	77 - 126	2	25
1,1,1,2-Tetrachloroethane	ND		1.99	2.16		mg/Kg	☼	109	80 - 128	4	25
1,1,2,2-Tetrachloroethane	ND		1.99	2.37		mg/Kg	☼	119	75 - 128	9	22
m,p-Xylene	ND		1.99	2.25		mg/Kg	☼	113	78 - 130	4	23
o-Xylene	ND		1.99	2.19		mg/Kg	☼	110	77 - 129	3	25
Styrene	ND		1.99	2.27		mg/Kg	☼	114	80 - 128	0	25
Bromoform	ND		1.99	2.24		mg/Kg	☼	113	72 - 133	8	34
Isopropylbenzene	ND		1.99	2.25		mg/Kg	☼	113	78 - 139	1	24
Bromobenzene	ND		1.99	2.32		mg/Kg	☼	117	75 - 129	1	25
N-Propylbenzene	ND		1.99	2.39		mg/Kg	☼	120	77 - 131	3	25
1,2,3-Trichloropropane	ND		1.99	2.32		mg/Kg	☼	117	67 - 131	4	27
2-Chlorotoluene	ND		1.99	2.22		mg/Kg	☼	112	77 - 135	3	20
1,3,5-Trimethylbenzene	ND		1.99	2.41		mg/Kg	☼	121	76 - 133	5	20
4-Chlorotoluene	ND		1.99	2.33		mg/Kg	☼	117	77 - 133	1	25
tert-Butylbenzene	ND		1.99	2.42		mg/Kg	☼	122	76 - 130	3	16
1,2,4-Trimethylbenzene	ND		1.99	2.50		mg/Kg	☼	126	76 - 132	4	21

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

Lab Sample ID: 590-16195-2 MSD
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	ND		1.99	2.46		mg/Kg	☼	124	76 - 130	2	34
1,3-Dichlorobenzene	ND		1.99	2.30		mg/Kg	☼	116	80 - 123	2	18
p-Isopropyltoluene	ND		1.99	2.51		mg/Kg	☼	127	80 - 130	3	26
1,4-Dichlorobenzene	ND		1.99	2.29		mg/Kg	☼	116	80 - 125	3	16
n-Butylbenzene	ND		1.99	2.35		mg/Kg	☼	119	80 - 131	2	20
1,2-Dichlorobenzene	ND	*+	1.99	2.32		mg/Kg	☼	117	80 - 124	5	25
1,2-Dibromo-3-Chloropropane	ND		1.99	2.11		mg/Kg	☼	106	49 - 139	4	40
1,2,4-Trichlorobenzene	ND		1.99	2.27		mg/Kg	☼	114	79 - 126	0	25
1,2,3-Trichlorobenzene	ND		1.99	2.29		mg/Kg	☼	115	66 - 130	3	25
Hexachlorobutadiene	ND		1.99	2.58		mg/Kg	☼	130	80 - 136	2	25
Naphthalene	ND		1.99	2.26		mg/Kg	☼	114	53 - 144	3	36
Methyl tert-butyl ether	ND	*+	1.99	2.29		mg/Kg	☼	115	80 - 123	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*76 - 122*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 129*

Lab Sample ID: 590-16195-1 DU
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-1 (2-3)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	ND			ND		mg/Kg	☼			NC	24
Chloromethane	ND			ND		mg/Kg	☼			NC	22
Vinyl chloride	ND			ND		mg/Kg	☼			NC	20
Bromomethane	ND			ND		mg/Kg	☼			NC	21
Chloroethane	ND			ND		mg/Kg	☼			NC	25
Trichlorofluoromethane	ND			ND		mg/Kg	☼			NC	25
1,1-Dichloroethene	ND			ND		mg/Kg	☼			NC	18
Methylene Chloride	ND			ND		mg/Kg	☼			NC	40
trans-1,2-Dichloroethene	ND			ND		mg/Kg	☼			NC	25
1,1-Dichloroethane	ND			ND		mg/Kg	☼			NC	25
2,2-Dichloropropane	ND	*+		ND	*+	mg/Kg	☼			NC	22
cis-1,2-Dichloroethene	ND	*+		ND	*+	mg/Kg	☼			NC	23
Bromochloromethane	ND			ND		mg/Kg	☼			NC	25
Chloroform	ND			ND		mg/Kg	☼			NC	25
1,1,1-Trichloroethane	ND			ND		mg/Kg	☼			NC	19
Carbon tetrachloride	ND			ND		mg/Kg	☼			NC	25
1,1-Dichloropropene	ND			ND		mg/Kg	☼			NC	24
Benzene	ND			ND		mg/Kg	☼			NC	25
1,2-Dichloroethane	ND			ND		mg/Kg	☼			NC	25
Trichloroethene	ND			ND		mg/Kg	☼			NC	25
1,2-Dichloropropane	ND	*+		ND	*+	mg/Kg	☼			NC	20
Dibromomethane	ND	*+		ND	*+	mg/Kg	☼			NC	24
Bromodichloromethane	ND			ND		mg/Kg	☼			NC	26
cis-1,3-Dichloropropene	ND	*+		ND	*+	mg/Kg	☼			NC	24

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

Lab Sample ID: 590-16195-1 DU
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-1 (2-3)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Toluene	ND			ND		mg/Kg	☼			NC	25
trans-1,3-Dichloropropene	ND			ND		mg/Kg	☼			NC	28
1,1,2-Trichloroethane	ND			ND		mg/Kg	☼			NC	31
Tetrachloroethene	ND			ND		mg/Kg	☼			NC	24
1,3-Dichloropropane	ND			ND		mg/Kg	☼			NC	16
Dibromochloromethane	ND			ND		mg/Kg	☼			NC	25
1,2-Dibromoethane (EDB)	ND			ND		mg/Kg	☼			NC	18
Chlorobenzene	ND			ND		mg/Kg	☼			NC	25
Ethylbenzene	ND			ND		mg/Kg	☼			NC	25
1,1,1,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	25
1,1,2,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	22
m,p-Xylene	ND			ND		mg/Kg	☼			NC	23
o-Xylene	ND			ND		mg/Kg	☼			NC	25
Styrene	ND			ND		mg/Kg	☼			NC	25
Bromoform	ND			ND		mg/Kg	☼			NC	34
Isopropylbenzene	ND			ND		mg/Kg	☼			NC	24
Bromobenzene	ND			ND		mg/Kg	☼			NC	25
N-Propylbenzene	ND			ND		mg/Kg	☼			NC	25
1,2,3-Trichloropropane	ND			ND		mg/Kg	☼			NC	27
2-Chlorotoluene	ND			ND		mg/Kg	☼			NC	20
1,3,5-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	20
4-Chlorotoluene	ND			ND		mg/Kg	☼			NC	25
tert-Butylbenzene	ND			ND		mg/Kg	☼			NC	16
1,2,4-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	21
sec-Butylbenzene	ND			ND		mg/Kg	☼			NC	34
1,3-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	18
p-Isopropyltoluene	ND			ND		mg/Kg	☼			NC	26
1,4-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	16
n-Butylbenzene	ND			ND		mg/Kg	☼			NC	20
1,2-Dichlorobenzene	ND	*+		ND	*+	mg/Kg	☼			NC	25
1,2-Dibromo-3-Chloropropane	ND			ND		mg/Kg	☼			NC	40
1,2,4-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	25
1,2,3-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	25
Hexachlorobutadiene	ND			ND		mg/Kg	☼			NC	25
Naphthalene	ND			ND		mg/Kg	☼			NC	36
Methyl tert-butyl ether	ND	*+		ND	*+	mg/Kg	☼			NC	25

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*76 - 122*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 129*

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

Lab Sample ID: MB 590-33778/1-A
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		10/28/21 09:16	10/28/21 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*41.5 - 162*	*10/28/21 09:16*	*10/28/21 11:03*	*1*

Lab Sample ID: LCS 590-33778/3-A
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33778

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			50.2	58.6		mg/Kg		117	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*41.5 - 162*

Lab Sample ID: LCSD 590-33778/19-A
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33778

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			50.2	62.0		mg/Kg		124	74.4 - 124	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*41.5 - 162*

Lab Sample ID: 590-16195-1 DU
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: SB-1 (2-3)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	ND			ND		mg/Kg	☼			NC	32.3

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*41.5 - 162*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-33735/1-A
Matrix: Solid
Analysis Batch: 33742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
2-Methylnaphthalene	ND		10	3.1	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
1-Methylnaphthalene	ND		10	2.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Acenaphthylene	ND		10	3.3	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Acenaphthene	ND		10	2.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Fluorene	ND		10	2.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 590-33735/1-A
Matrix: Solid
Analysis Batch: 33742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10	3.6	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Anthracene	ND		10	2.0	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Fluoranthene	ND		10	2.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Pyrene	ND		10	3.8	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[a]anthracene	ND		10	2.1	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Chrysene	ND		10	1.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[b]fluoranthene	ND		10	3.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[k]fluoranthene	ND		10	2.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[a]pyrene	ND		10	4.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Indeno[1,2,3-cd]pyrene	ND		10	3.0	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Dibenz(a,h)anthracene	ND		10	2.8	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg		10/26/21 09:51	10/26/21 15:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*33 - 120*	*10/26/21 09:51*	*10/26/21 15:15*	*1*
2-Fluorobiphenyl (Surr)	*70*		*47 - 120*	*10/26/21 09:51*	*10/26/21 15:15*	*1*
p-Terphenyl-d14	*96*		*74 - 120*	*10/26/21 09:51*	*10/26/21 15:15*	*1*

Lab Sample ID: LCS 590-33735/2-A
Matrix: Solid
Analysis Batch: 33742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	267	204		ug/Kg		76	45 - 120
2-Methylnaphthalene	267	223		ug/Kg		83	48 - 120
1-Methylnaphthalene	267	219		ug/Kg		82	44 - 120
Acenaphthylene	267	207		ug/Kg		78	52 - 120
Acenaphthene	267	234		ug/Kg		88	53 - 120
Fluorene	267	236		ug/Kg		88	55 - 120
Phenanthrene	267	265		ug/Kg		99	57 - 121
Anthracene	267	263		ug/Kg		99	60 - 120
Fluoranthene	267	229		ug/Kg		86	63 - 127
Pyrene	267	285		ug/Kg		107	61 - 125
Benzo[a]anthracene	267	266		ug/Kg		100	61 - 131
Chrysene	267	268		ug/Kg		100	67 - 127
Benzo[b]fluoranthene	267	236		ug/Kg		89	61 - 127
Benzo[k]fluoranthene	267	221		ug/Kg		83	63 - 127
Benzo[a]pyrene	267	223		ug/Kg		84	60 - 126
Indeno[1,2,3-cd]pyrene	267	266		ug/Kg		100	63 - 128
Dibenz(a,h)anthracene	267	243		ug/Kg		91	60 - 121
Benzo[g,h,i]perylene	267	254		ug/Kg		95	58 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*76*		*33 - 120*
2-Fluorobiphenyl (Surr)	*80*		*47 - 120*
p-Terphenyl-d14	*98*		*74 - 120*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 590-33735/3-A
Matrix: Solid
Analysis Batch: 33762

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33735

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			267	211		ug/Kg		79	45 - 120	3	20
2-Methylnaphthalene			267	222		ug/Kg		83	48 - 120	0	20
1-Methylnaphthalene			267	229		ug/Kg		86	44 - 120	4	15
Acenaphthylene			267	224		ug/Kg		84	52 - 120	8	20
Acenaphthene			267	222		ug/Kg		83	53 - 120	5	15
Fluorene			267	223		ug/Kg		84	55 - 120	5	21
Phenanthrene			267	260		ug/Kg		98	57 - 121	2	18
Anthracene			267	267		ug/Kg		100	60 - 120	2	18
Fluoranthene			267	228		ug/Kg		86	63 - 127	0	18
Pyrene			267	285		ug/Kg		107	61 - 125	0	26
Benzo[a]anthracene			267	265		ug/Kg		99	61 - 131	0	16
Chrysene			267	263		ug/Kg		99	67 - 127	2	15
Benzo[b]fluoranthene			267	237		ug/Kg		89	61 - 127	0	16
Benzo[k]fluoranthene			267	238		ug/Kg		89	63 - 127	7	16
Benzo[a]pyrene			267	230		ug/Kg		86	60 - 126	3	20
Indeno[1,2,3-cd]pyrene			267	236		ug/Kg		89	63 - 128	12	18
Dibenz(a,h)anthracene			267	212		ug/Kg		80	60 - 121	14	18
Benzo[g,h,i]perylene			267	228		ug/Kg		85	58 - 129	11	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*77*		*33 - 120*
2-Fluorobiphenyl (Surr)	*81*		*47 - 120*
p-Terphenyl-d14	*97*		*74 - 120*

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

Lab Sample ID: MB 590-33761/1-A
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33761

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		10/27/21 10:00	10/27/21 13:34	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		10/27/21 10:00	10/27/21 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*10/27/21 10:00*	*10/27/21 13:34*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*10/27/21 10:00*	*10/27/21 13:34*	*1*

Lab Sample ID: LCS 590-33761/2-A
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33761

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	62.7		mg/Kg		94	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	71.0		mg/Kg		107	50 - 150		

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

Lab Sample ID: LCS 590-33761/2-A
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33761

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*109*		*50 - 150*
n-Triacontane-d62	*121*		*50 - 150*

Lab Sample ID: 590-16195-2 DU
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33761

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*91*		*50 - 150*
n-Triacontane-d62	*103*		*50 - 150*

Lab Chronicle

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.214 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 12:49	JSP	TAL SPK
Total/NA	Prep	5035			5.214 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 12:49	JSP	TAL SPK
Total/NA	Prep	3550C			15.16 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		10			33742	10/26/21 17:40	NMI	TAL SPK
Total/NA	Prep	3550C			15.59 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 14:14	REA	TAL SPK

Client Sample ID: SB-2 (4-5)
Date Collected: 10/22/21 12:45
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-2 (4-5)
Date Collected: 10/22/21 12:45
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-2
Matrix: Solid
Percent Solids: 69.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.038 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 13:31	JSP	TAL SPK
Total/NA	Prep	5035			4.038 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 13:31	JSP	TAL SPK
Total/NA	Prep	3550C			15.18 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		1			33742	10/26/21 18:04	NMI	TAL SPK
Total/NA	Prep	3550C			15.11 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 14:34	REA	TAL SPK

Client Sample ID: SB-3 (2-3)
Date Collected: 10/22/21 13:30
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-3 (2-3)
Lab Sample ID: 590-16195-3
Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.945 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 14:56	JSP	TAL SPK
Total/NA	Prep	5035			4.945 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 14:56	JSP	TAL SPK
Total/NA	Prep	3550C			15.61 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		1			33742	10/26/21 18:28	NMI	TAL SPK
Total/NA	Prep	3550C			15.55 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 15:14	REA	TAL SPK

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4
Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4
Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.844 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 15:17	JSP	TAL SPK
Total/NA	Prep	5035			4.844 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 15:17	JSP	TAL SPK
Total/NA	Prep	3550C			15.62 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		1			33742	10/26/21 18:52	NMI	TAL SPK
Total/NA	Prep	3550C			15.47 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 15:34	REA	TAL SPK

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5
Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5
Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.053 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 15:38	JSP	TAL SPK
Total/NA	Prep	5035			5.053 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 15:38	JSP	TAL SPK

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5

Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.36 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		5			33742	10/26/21 19:16	NMI	TAL SPK
Total/NA	Prep	3550C			15.49 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		10			33769	10/28/21 07:42	REA	TAL SPK

Client Sample ID: Trip Blank
Lab Sample ID: 590-16195-6

Date Collected: 10/22/21 10:00
Matrix: Solid
Date Received: 10/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.31 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 15:59	JSP	TAL SPK
Total/NA	Prep	5035			10.31 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 15:59	JSP	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Laboratory: Eurofins TestAmerica, Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NWTPH-Dx	3550C	Solid	Residual Range Organics (RRO) (C25-C36)

Method Summary

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK
5035	Closed System Purge and Trap	SW846	TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Adam Mithalek	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6947-2037.1
Client Contact: Carlin Slusher	Phone: 916-616-7308	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: WA	Page: Page 1 of 1
Company: Hart & Hickman, PC	PWSID:	Analysis Requested		Job #:
Address: 3921 Sunset Ridge Rd Suite 301	Due Date Requested:			Preservation Codes:
City: Raleigh	TAT Requested (days): 3 day			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: NC, 27607	Compliance Project: Δ Yes Δ No			
Phone: 919-723-2517(Tel)	PO #: Purchase Order not required			
Email: cslusher@harthickman.com	WO #:			
Project Name: Northwest MotorSports - Puyallup	Project #: 59002274			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	8260D - Standard Analyte List	NWTPH_Gx_MS - Gx by GCMS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	F	F		
SB-1 (2-3)	10/22/21	1035	G	Solid			X	X				
SB-2 (4-5)		1245		Solid								
SB-3 (2-3)		1330		Solid								
SB-4 (2-3)		1415		Solid								
SB-5 (1-2)		1500		Solid								
Trip Blank	10/14/21	—		Solid					X	X		
				Solid								
				Solid								
				Solid								

590-16195 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
adammithalek	10/22/21 1740	H3H	Fed Ex		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Randee Arrington	10/25/21 1100	EPASO
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.1°C corr. FP005

10/28/2021

Login Sample Receipt Checklist

Client: Hart & Hickman, PC

Job Number: 590-16195-1

Login Number: 16195
List Number: 1
Creator: Arrington, Randee E

List Source: Eurofins TestAmerica, Spokane

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

AECOM Environment

Prepared for:
RFJ Partner Group

Prepared by:
AECOM
Seattle, Washington
Job No. 60620698
February 4, 2020

Phase I Environmental Site Assessment
Northwest Motor Sport (Site #3)
400 and 506 River Road, and 4th St NW
Puyallup, Washington

February 4, 2020

Mr. Rick Ford, President/CEO
RFJ Automotive Partners Inc.
500 N Central Expressway, Ste 320
Plano, TX 75074

Phase I Environmental Site Assessment
Northwest Motor Sports (Site #3)
400 and 506 River Road
Puyallup, WA

Dear Mr. Ford:

This report presents AECOM's Phase I Environmental Site Assessment (ESA) of the Northwest Motor Sports (NWMS) property located at 400 and 506 River Road in Puyallup, Washington (Site #3). The report presents pertinent information obtained by documentary review, a site reconnaissance, as well as our findings regarding environmental conditions of the property. This work was conducted in accordance with our proposal dated December 12, 2019. To facilitate RFJ review of the NW Motorsport portfolio of sites, each site was assigned with a specific site number.

We trust this report meets your current requirements. AECOM appreciates the opportunity to assist you on this project. Please do not hesitate to contact us if you have any questions regarding this report or require additional assistance.

Sincerely,

URS Corporation

Al Thatcher
Senior Environmental Scientist

David Raubvogel,
Senior Geologist, LHG

AECOM
1111 3rd Avenue, Suite 1600
Seattle, Washington 98101
Tel: 206.438.2700
Fax: 866.495.5288

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APPENDICES

1.0 INTRODUCTION

AECOM was retained by RFJ Automotive Partners, Inc. (RFJ) to perform a Phase I Environmental Site Assessment (ESA) of the Northwest Motor Sport (NWMS) property (Site #3), consisting of three parcels located at 400 River Road (Pierce County Parcel #04214-807), 506 River Road (Pierce County Parcel #04214-014), and 4th Street NW (Pierce County Parcel #04214-057) in Puyallup, Washington (subject property). The 3.9-acre property is developed with four buildings occupied by automotive sales, repair and maintenance operations, and offices. This Phase I ESA was conducted in accordance with the scope of work presented in our proposal to RFJ Automotive Partners, Inc. (RFJ) dated December 12, 2019.

1.1 PURPOSE AND SCOPE OF WORK

It is our understanding that RFJ is considering purchase of the subject property and desires a Phase I ESA. The purpose of this Phase I ESA is to provide the client with information for use in evaluating recognized environmental conditions (RECs) associated with the subject property. The scope of work was conducted in general accordance with the ASTM International (ASTM) Standard Practice for Environmental Site Assessments (Standard E1527-13). Adherence to a particular financial or other institution's protocols or guidelines was not requested.

Per the ASTM standard a REC is defined by the ASTM standard as:

- The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

The ASTM Standard E1527-13 also includes the evaluation of environmental conditions comprising a controlled REC (CREC), a historical REC (HREC), or as a *de minimis* condition.

- HRECs are a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.
- CRECs are a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- De minimis conditions are conditions that generally do not present a material risk of harm to public health or the environment and generally would not be subject of an enforcement action if brought to the attention of the appropriate governmental agency.

The assessment reviewed past and present land use practices and site operations related to the use, storage, generation, manufacture, and disposal of hazardous substances and petroleum products at the subject property.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, a review of publicly available records, interviews of pertinent individuals and regulatory and public agency personnel, and a review of pertinent documentation provided by Holland and readily available through AECOM' standard information sources. The site vicinity is defined as the neighboring properties and facilities within an approximate distance of 1/8 mile of the subject property, the nature of which may adversely affect or have affected environmental conditions at the subject property due to the presence and/or release of hazardous substances or petroleum products to the environment.

AECOM's scope of work included the following elements:

- Review of pertinent, available documents and maps concerning local geologic and hydrogeologic conditions
- Review and interpretation of historical aerial photographs of the subject property and the site vicinity for selected years back to the property's first developed use or 1940, whichever is earlier, from readily available sources
- Review and interpretation of available archival topographic maps, historical land use maps (e.g., Metsker, Kroll, and Sanborn Fire Insurance maps) and business directories (e.g., Cole's and Polk's) covering the subject property and the site vicinity for information about historical site land use that could have involved the manufacture, generation, use, storage and disposal of petroleum products and hazardous substances
- Performance of a reconnaissance survey of the subject property to make visual observations of existing site conditions and activities
- Review of current local, state, and federal lists of known or potentially hazardous waste sites and landfills, and sites currently under investigation for environmental violations located within ASTM-specified search distances of the subject property (ranging from the subject property itself up to a 1-mile radius depending on the nature of the list reviewed) including:
  - U.S. Environmental Protection Agency (EPA) National Priorities ("Federal Superfund") List
  - EPA Delisted NPL List

  - EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and CERCLIS No Further Remedial Action Planned (NFRAP) Lists
  - EPA Emergency Response Notification System (ERNS) List
  - EPA Resource Conservation and Recovery Act (RCRA) List
  - EPA RCRA Corrective Action (CORRACTS) Treatment, Storage, and Disposal (TSD) Facilities List
  - EPA Institutional and Engineering Controls databases
  - EPA Brownfields Sites
  - State and Tribal lists of hazardous waste sites
  - State and Tribal–equivalent NPL sites list
  - State and Tribal–equivalent CERCLIS sites list
  - State and Tribal Leaking Underground Storage Tank (LUST) Sites List
  - State and Tribal Listing of Registered Underground Storage Tanks (USTs)
  - State and Tribal Institutional and Engineering Controls databases
  - State and Tribal Voluntary Cleanup Sites
  - State and Tribal List of Active Landfills and/or Solid Waste Disposal Sites
  - State and Tribal Brownfields Sites
- Interview of the property owner, or other persons identified as knowledgeable of the property history, for information about the land use history of the subject property and past and present practices regarding use, storage, and disposal of petroleum products and hazardous substances
- Request and review information from the report “User” as outlined in the “User’s Responsibilities” section of the ASTM E1527–13 guidelines
- Inquire with selected state and local regulatory agencies by submitting a request for information regarding environmental permits, environmental violations or incidents, and status of potential enforcement actions at the property
- Preparation of this report describing the research performed and presenting AECOM’ findings about the potential for environmental contamination at the site

The scope of services was limited to that stated in AECOM’ proposal and did not include 1) sampling and analysis of environmental media, 2) seismic hazards / structural integrity, 3) environmental compliance, or 4) other activities not expressly described in the written scope of services.

2.0 SITE LOCATION AND DESCRIPTION

2.1 SITE LOCATION

The subject property is located at 400 and 506 River Road, and an unspecified address on 4th Street NW in Puyallup, Washington (Figure 1). The site is bordered to the north by River Road, to the east by 4th Street NW, to the south by a moving and storage operation and to the west by another NWMS vehicle sales and repair operation. Land use in the site vicinity consists primarily of retail, car dealerships, professional service and commercial/consumer service operations such as, retail stores and restaurants.

2.2 SITE DESCRIPTION

The majority of the 3.90-acre property is asphalt paved parking used for the car and truck inventory parking. The main showroom and shops building (400 River Road) and building adjacent to the wash bay are located on the northeastern portion of the property (Figure 2). A small building (Buying Center - 506 River Road) is present on the northwestern portion of the property and another building (Lower Shop building) is present on the southwest portion of the property. A fourth building is located on the southeastern corner of the property and is used to stored vehicle wash chemicals and has an office area. Additional details regarding the subject property parcels is provided below:

Address	Building Occupancy	Parcel	Acres	Building Sq. Feet
400	Main Building –car sales showroom, north & south service shops, offices, parts Wash Bay Adjacent Building	0420214-807	2.74	17,259 400
506	Buying Center - Very small building for customer interactions	0420214-014	0.75	600
4th St NW	Automobile Repair - Lower Shop	0420214-057	0.41	4,000

Access to the property is from River Road and along 4th St NW which has a driveway ramp to the interior of the site. The Pierce County assessor web site indicates that the property is owned by HILT Investment Holdings.

3.0 TOPOGRAPHY AND HYDROGEOLOGY

3.1 TOPOGRAPHIC SETTING

The subject property is located in the southeast quarter of Section 20, Township 20 North, Range 4 East, Puyallup, Pierce County, Washington. Topographic coverage of the site vicinity is provided by the U.S. Geological Survey, Puyallup, Washington, 7½- minute quadrangle (Figure 1). The property ranges in elevation from approximately 27 to 38 feet above mean sea level (msl) and has a southerly slope. The northern and eastern halves of the property are at street level. The area south of the 400 River Road building has an approximate 10-foot difference in grade (Google Earth, 2020). A retaining wall runs along the eastern portion of the site separating the upper parking areas from the lower parking areas. The area topography slopes generally northeasterly towards the Puyallup River, the nearest surface water body, which is located approximately 1000 feet to the north.

3.2 HYDROGEOLOGIC SETTING

The site is underlain by quaternary alluvium deposited by the Puyallup River. These deposits consist of unconsolidated sand and gravels with silty sand and clay layers. An investigation (CDM 2011) conducted in the property vicinity identified overbank and point bar deposits to approximately 40 feet below ground surface (bgs). This unit is characterized by alternating poorly and well-graded sand layers, with some clay interbeds. A boring completed at the property encountered silty fine to medium sands at approximately 11 feet bgs and gravel was noted to 12 feet the total depth of the boring (The Riley Group, 2011). During removal of a 650-gallon UST, medium to course sand was noted to 10 feet bgs (EMS, 2004).

Groundwater was encountered at approximately 10 feet bgs in a boring completed near the southern property boundary. (The Riley Group, 2011). Groundwater in the subject property vicinity is inferred to flow southwesterly consistent with the site topography. The regional groundwater flow is inferred to be northerly towards the Puyallup River.

4.0 CLIENT PROVIDED INFORMATION

As specified in ASTM E 1527-13, Section 6 - User's Responsibilities, the report User is required to assist with identifying possible RECs. In an effort to meet this requirement, AECOM requested the following information:

- Environmental liens or activity and use limitations associated with the subject property
- Specialized knowledge or experience regarding the subject property
- Commonly known or reasonably ascertainable information regarding the subject property
- Whether the purchase price may reflect a valuation reduction for environmental issues; if applicable
- Reason for performing the Phase I ESA

RFJ did not provide responses to the AAI questionnaire that requested responses on the above information. RFJ reported that they have no knowledge of environmental liens or activity and use limitations (AULs) on the subject property. No AULs or environmental liens related to hazardous materials on the subject property were identified by AECOM' agency database review. RFJ reported they are not aware of specialized information that would indicate the presence of RECs related to the subject property. Northwest Motor Sport provided three reports for our review, as summarized in Section 5.2. RFJ reported they have not compared the proposed purchase price of the property to the fair market value for non-contaminated sites. AECOM understands that the Phase I ESA was conducted because RFJ is considering purchasing the property and desired this assessment to document current environmental conditions.

5.0 SITE HISTORY AND LAND USE

5.1 HISTORICAL RESOURCES

Historical information for the subject property and surrounding properties is based on AECOM's review and analysis of the following historical sources, provided by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut; and Google Earth:

- Aerial photographs dated 1957, 1968, 1972, 1980, 1990, 2006, 2009, 2013 and 2017;
- City Directories for various years between 1959 and 2014.
- Sanborn Fire Insurance maps dated 1927, 1945 and 1964.
- Topographic Maps dated 1897, 1900, 1941, 1944, 1949, 1961, 1968, 1973, 1981, 1994, 1997 and 2014.

Copies of these documents are provided as Appendix A. AECOM also reviewed documents related to the subject property from local sources including from the Pierce County Tax Assessor/ GIS web page. In addition, an interview was conducted with Mr.

Rick Schatz, Facilities Director for NWMS, who has been associated with the subject property for the past nine years, and with Mr. Paul Russell, Parts Director for NWMS.

For purposes of evaluating the information reviewed as detailed in this section of the report, the presence or absence of "significant change(s)" noted during the review refers to changes that are considered to be a change in land use with the potential to adversely affect the environment with regard to the use, generation, storage, or disposal of hazardous substances or petroleum products. Examples of changes termed "significant" include the appearance of a building, the devegetation of land, and/or ownership of property by entities appearing commercial and/or industrial in nature. The general locations of significant historical features summarized below are depicted on Figure 3.

Subject Property

Historical topographic maps indicate the subject property was occupied by one small building and woodlands by the 1940s. By the 1950s, the historical aerial photographs showed the small building was replaced with the main site building located on the central and northeastern portion of the subject property. By the late 1960s, the southwestern portion of the subject property was developed with a large building, a service garage similar in configuration to the present day. In addition, two smaller buildings were developed, one on the northwest side of the subject property, one being located on the 506 River Road parcel, and one small building, an office building, on the southeast side of the subject property, similar in configuration to the present day wash chemical storage area. The 1972 aerial photograph shows the building at 506 River Road was removed, as well as a portion of the main large site building. An addition to the main large site building is noted on the 1990 historical aerial photograph. By the 2013 historical aerial photograph, an additional small building was constructed in the southeast corner of the subject property.

The Pierce County Tax Assessor/ GIS website indicated that the large building located on the central and northeastern portion of the subject property was a showroom, office and two service garages constructed in 1953 with building additions in 1978 and 1986. The service garage on the southwest corner of the subject property is listed to have been built in 1966, with renovations in 1978. The small office building on the northwest side of the subject property is listed as being constructed in 1965, with a basement and storage additions in 1978. There were no listings for the service garage on the southeastern side of the subject property or the small office building on the northwestern side of the subject property.

The subject property address, 400 River Road, was listed in the 1959, 1964 and 1969 historical city directories as being occupied by Grant’s Chevrolet Inc. The address was listed 1974, 1979 and 1984 as being occupied by Service Chevrolet Inc. The address was listed in 1989, 1992 and 1995 as Parks Ken Chevrolet-Subaru Inc. The city directories listed the subject property for the year 2000 as being occupied by Bulletproof LLC and Puyallup Chevrolet-Geo-Subaru, 2005 as Bulletproof LLC., Friendly Chevrolet Inc, Greg Carters Puyallup Chevrolet and Ken Parks Chevrolet, in 2010 as Bulletproof LLC., and in 2014 as Bulletproof LLC. and Northwest Motorsport. The Subject property address, 506

River Road, was listed as being occupied by the US Department of Agriculture–Agriculture Stabilization and Conservation, US Department of Agriculture-Farmers, US Department of Natural Resources in 1964 and 1969. The 1974 historical city directories list 506 River Road as being vacant. There were no further listings for 506 River Road.

Off-Site Properties

The historical aerial photographs and topographic maps show the surrounding properties consisting mostly of undeveloped woodlands and fields until the early 1960s. The 1957 aerial photograph shows residential development south of the subject property. By the late 1960s, the adjacent northern, eastern and western properties were developed with commercial properties. The city directories list the adjacent properties to be commercial properties, largely vehicle sales from 1969 to 2014. The adjacent west parcel was first developed in the 1960s and listed as Puyallup Tractors. The adjacent southern parcel was developed in the 1960s and listed as Boush Moving & Storage and Grants Insurance Agency. The adjacent north parcel across River Road is first listed as Puyallup Chrysler Plymouth Auto Dealers in 1974. The 1969 city directory lists River Road Gulf Station at 324 River Road, east of 4th Street NW.

5.2 PREVIOUS ENVIRONMENTAL DOCUMENTS

Previous Phase I ESA reports and a Focused Ph II Subsurface Investigation were provided for our review by NWMS. AECOM inquired with the Washington State Department of Ecology (Ecology), and the City of Puyallup regarding additional environmental information on file, and none was provided. The previous environmental documents are summarized below, and selected portions are provided in Appendix B.

5.2.1 Focused Phase II Subsurface Investigation (Riley Group 2011)

The Riley Group (RG) evaluated the soil and groundwater conditions at an oil/water (OWS) located along the southern property. The RG report indicated that a Phase I ESA had been recently completed by Adapt Engineering (Adapt) and Adapt indicated that a feed line to the OWS may have leaked and was a possible risk to soil and groundwater. Although it was later determined that the line connection was intact. RG performed a limited Phase II that included one boring, SP1 advanced to a total depth of 12 feet bgs immediately downgradient of the OWS. Two soil samples and a grab groundwater sample were collected from the boring. Groundwater was encountered approximately 10 to 11 feet bgs in the borehole. No petroleum odors or staining were noted in the soils and the two soil samples (collected at 4 and 12 feet bgs) analyzed did not detect gasoline-range, diesel-, and oil-range total petroleum hydrocarbons in addition to benzene, toluene, ethylbenzene and totally xylenes (BTEX), or select volatile organic compounds (VOCs). None of the analytes were detected in the one groundwater sample.

5.2.2 Phase I Environmental Site Assessment Report (Partner 2013)

A 2013 Phase I ESA conducted by Partner indicated that the subject property had been vacant land until 1953, at which point the property was developed with a car dealership.

Since circa 1953, the subject property has continued to be occupied by automotive dealerships. At the time of this Phase I report, the subject property was reported by Partner as surrounded by current or former automotive dealerships to the north, east, and west, as well as Boush Moving & Storage to the south.

Partner observed circular cut-outs and concrete patches indicative of former in-ground hydraulic lifts in the current service bays. The lifts were purported to be removed in 1987 but one active in-ground hoist was located in the southernmost service bay. A 2003 Phase II Environmental Site Assessment investigation performed by Encore Environmental Consortium (Encore) included advancement of 11 soil borings in this area. These samples were tested for diesel- and gasoline-range total petroleum hydrocarbons. A total of 18 borings were advanced on the subject property as part of this investigation. Soil borings were also completed near the assumed location of a former gasoline UST, a closed-in-place heating-oil UST, and near the east property boundary. Two borings were placed near a waste-oil UST, and three were drilled near storm drains.

The soil analytical results indicated that various petroleum hydrocarbons and VOCs exceeded applicable Washington State Model Toxic Control Act (MTCA) cleanup levels; xylenes near the former gasoline UST; and gasoline and diesel range near the waste oil UST. No contamination was reported in the groundwater samples. The waste-oil tank was subsequently decommissioned and removed, with confirmation soil sampling results confirming the contamination was eliminated. A no-further-action (NFA) was then issued by the Tacoma-Pierce County Health Department.

Previous reports referenced from 2003 stated there was one active in-ground hydraulic lift housed in the southern-most service bay area that still contained hydraulic fluid. Partner stated that the previous consultant had recommended draining and removing the active lift, but Partner was unable to confirm whether this action properly took place through available documentation. This lift was not observed during Partner's site visit. The report indicated that the gasoline UST was removed in 1996, and two generations of waste oil USTs were removed from the same location, the first in 1987 and second in 2004. The heating oil UST was closed in place.

The Partner Phase I ESA reported two RECs, and an additional historical REC

- The lack of PCB analytical testing from the area near the former in-ground hydraulic lifts.
- The potential continued presence of the in-ground hydraulic lift located in the southern-most auto service bay area. Its removal was recommended in 2003, Partner was unable to locate documentation detailing removal and confirmation sampling. During preparation of this current AECOM Phase I ESA, records from April 2004 of the decommissioning of this hydraulic lift were located and are detailed in Section 8.3.

- A historic gasoline, heating oil, and two waste oil tanks located on the subject property are considered historical RECs, as there was documented removal and closure of each tank with confirmation sampling and soil remediation analytical results indicating proper regulatory closure.

5.2.3 Phase I Environmental Site Assessment (Robinson Noble 2016)

The 2016 Phase I ESA conducted at the property by Robinson Noble reported one REC at the subject property relating to potential soil and groundwater contamination from an emptied combination diesel and gasoline UST located on the southern adjacent property (Boush Moving & Storage). This adjacent property is inferred upgradient from the subject property, so if contamination did exist from the UST it could potentially migrate to the subject property.

The Robinson Noble Phase I report summarized the 2003 Phase II ESA performed by Encore based on the description from the Partner Phase I ESA (2013). The report indicated that since the xylene impacted soils at the former gasoline UST had been excavated in 2004 and approximately 26 tons of impacted soils were removed and subsequent soil sampling were below cleanup levels, this area was considered to represent a low risk. It should be noted that Robinson Noble and AECOM were unable to acquire the actual 2003 Encore Phase II report for review. This represents a data gap.

5.3 INTERVIEWS AND QUESTIONNAIRES

Representatives of the property owners and occupant were interviewed by AECOM. A Phase I ESA Questionnaire regarding the environmental conditions and current operations for the subject property, with respect to hazardous substances and petroleum products was completed by representatives of the parcels owned by HILT Investment Holdings, LLC. The property owner representatives reported that the property was previously occupied by Friendly Chevrolet, for an unknown period of time. They are not aware of historic releases or any soil or groundwater contamination associated with hazardous substances or petroleum products at the property, and not aware of environmental liens relating to violations of environmental laws. Hazardous substances or petroleum products are stored onsite, and hazardous wastes are not currently generated. The representatives reported the NWMS facility has occupied this location since 2011, and they are not aware of septic tanks or water supply wells currently or historically present on their property. Details of information from the property owner representatives are provided throughout the report.

6.0 SITE OBSERVATIONS

Messrs. Al Thatcher and Anders Utter of AECOM's Seattle, Washington office visited the subject property on December 20, 2019 and was accompanied for portions of the site visit

by Mr. Rick Schatz and Mr. Paul Russell of NWMS. Messrs. Schatz and Russell provided current and historic operations information during interviews. Site-related limiting conditions encountered during this assessment are summarized in Section 11.1. Photographs taken during the site visit are provided in Appendix C. The site visit methodology consisted of walking accessible areas of the subject property, the property perimeter, and viewing publicly accessible portions of the adjacent / surrounding area. The following sections summarize the results of the site visit.

6.1 GENERAL CONDITIONS

The subject property consists of three parcels located at 400 (2.74 acres) and 506 (0.75 acres) River Road, and an unnumbered parcel on 4th St NW (0.41 acre), that are owned by HILT. The majority of the property is covered by paved parking. The approximately 17,000 SF two-story main building and the 600 SF Buying Center are situated on the north portion of the property; the approximately 4,000 SF one-story lower shop building is in the southwest portion of the property; and a 300 SF two-story wash bay is present on the southeast portion of the property (Figure 2).

The main building includes a customer showroom, north and south vehicle service repair/shop areas, office spaces and a parts room (Figure 3); and the southwest building is primarily occupied by vehicle repair bays and a tire bay (Figure 2). The Buying Center building is reportedly occupied by office area, and the building adjacent to the covered vehicle wash bay is used for storage of wash bay chemicals and as office space and meeting room. The buildings are reportedly heated by natural gas heaters, some roof-mounted and some ceiling mounted units.

6.2 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

Various automotive related hazardous substances and petroleum products were observed in all buildings except the Buying Center building, including motor oil, coolant, automatic transmission fluid (ATF), parts washer solvent, vehicle washing chemicals, windshield washer fluid and brake fluid (Figures 2 and 3). The largest volumes of new chemicals were stored in aboveground storage tanks (ASTs) as detailed in Section 6.3, and the next greatest volume consisted of vehicle washing chemicals stored in 55-gallon drums in the southeast corner building.

Waste fluids, such as used oil, were stored in ASTs and in 55-gallon drums. One 55-gallon drum reportedly containing used coolant was observed in the southwest corner of the north shop. Numerous reportedly empty 55-gallon drums formerly containing vehicle undercoat were observed stacked on the southwest corner of the property (Figure 2).

The southeast corner building currently houses the vehicle wash chemicals used at the adjacent wash bay, a covered area of pavement utilized for washing vehicles. Vehicle engines are reportedly not washed. A portion of the concrete floor in the southeast corner building was observed to be deeply etched down to and around the aggregate of the concrete, apparently from releases of the vehicle washing chemicals.

The condition of the concrete floors in the remaining chemical use and storage areas was generally good to fair, with some cracks and expansion joints that could provide a pathway into the subsurface soils. However, staining was not observed that would have indicated significant chronic releases of hazardous materials/petroleum products or wastes. Generalized staining was observed that appeared typical for buildings the vintage of those on the subject property.

An accumulation of 55- and 25-gallon steel drums was observed on the southwest portion of the subject property, reportedly drums that formerly contained vehicle undercoat, from a historic vehicle undercoating operation that took place in the tire bay (north) portion of the lower shop. Staining or sheen was not observed on the pavement around these drums, and the undercoating operation reportedly stopped two years ago. Historic releases of chemicals from the vehicle maintenance and repair operations were not reported.

Hazardous wastes generation or storage was not observed or reported. Parts washing solvent utilized in two onsite parts washers uses an aqueous-based solvent. The parts washer solvent is changed out periodically by Emerald Services, and the spent solvent transported offsite. Used automobile batteries and tires are returned to the providers of new batteries and tires.

6.3 VEHICLE LIFTS/ HOISTS

Vehicle service hoists are currently all aboveground, and each equipped with approximately 3-gallon reservoirs of hydraulic fluid. Based on the apparent age of these hoists, the potential is low for the fluid to contain PCBs, and evidence of significant releases of the hydraulic fluid were not observed.

Numerous patched areas were noted on the concrete floor in the north and south shop areas (Figure 3) which appear to be former in-ground vehicle hoists locations. In ground hydraulic hoist systems were noted in the previous reports as summarized in Section 5.2, and documentation included the removal of this equipment and assessment of subsurface conditions.

6.4 POLYCHLORINATED BIPHENYLS (PCB)

Fluid-filled transformers were not observed on the subject property. Although some electric utilities around the property are aboveground, the closest fluid-filled transformers were observed on a pole along River Road near the northwest corner of the property, and apparently outside the subject property, and are believed to be owned by the electric utility. Hydraulic fluid associated with vehicle hoists is discussed in Section 6.1.

AECOM did not note additional equipment suspect of being PCB-containing, such as hydraulic elevators.

6.5 UNDERGROUND AND ABOVEGROUND STORAGE TANKS

No USTs are presently known to remain at the property, and no indications of USTs such as vent or fill pipes were observed during our walkthrough. Seven ASTs were observed at the subject property as shown on Figures 2 and 3, including:

- North Shop Area - Two new oil ASTs (465- and 250-gallon capacity; and one 500-gallon used oil AST;
- South Shop Area - two 200-gallon ASTs containing new oil; and
- Lower Shop Building - two approximately 150-gallon ASTs are located in the south end of the building in a separate room adjacent to the south of vehicle service Bay 19.

The floor in the area of the tanks had various degrees of oily staining and residue, sometimes extending to areas of the floor not accessible, e.g. behind the ASTs.

Based on the existing site information, four former USTs were previously in use at the property at the locations shown on Figure 2. Two generations of waste oil tanks (reportedly 1000 and 500 gallon) were present at the same location and both have been removed. A 5,000-gallon gasoline UST was removed in 1996. Information regarding the removals was summarized in Section 5.2. A 500-gallon heating oil UST located near the southeast corner of the showroom building was apparently closed-in-place.

Two capped pipes in the configuration of heating fuel oil UST supply and return pipes were observed in the basement level along the main building interior west wall, likely associated with the closed in place heating oil UST. The furnace in the current boiler room was natural gas-fired.

6.6 SOLID WASTE

Solid waste generated onsite is reportedly primarily cardboard, paper and plastic packaging, and includes some food waste. Solid waste is accumulated in several dumpsters observed on the property, and reportedly transported for offsite disposal by Waste Management. AECOM did not observe staining on the pavement around the dumpsters that would have indicated significant releases of chemicals to the subject property.

6.7 UTILITIES

Electrical service is provided by Pacific Power, and natural gas is provided by Puget Sound Energy. Potable water supply and sanitary and storm sewer services are reportedly provided by the City of Puyallup.

6.8 WATER SUPPLY AND MONITORING WELLS

AECOM did not observe, nor were water supply or monitoring wells reported, at the subject property.

6.9 WASTEWATER AND STORMWATER

Process wastewater currently generated at the subject property is primarily wash water generated by the vehicle wash operation on the southeast portion of the property (Figure 2). An aboveground oil-water separator (OWS) is present in a shed located adjacent west of the covered vehicle wash area. Two catch basins were observed in this area, one under the wash bay cover, the other adjacent to the southwest corner of the covered area. The catch basin to the southwest was observed to have two hoses running beneath the manhole cover, an apparent sump pump in the catch basin vault, and a hand cart-mounted pump used for pumping the wash water up to the municipal sewer system on 4th Street NW. These features are located beneath the south end of the covered wash area. The wastewater is reportedly pumped from this manhole to the east to a catch basin along 4th Street NW, and the hand cart-mounted pump is use during precipitation events when the sump pump in the manhole cannot keep up with the volume flowing. Connection of the OWS to the stormwater system was not confirmed. The separator was observed to have apparent coalescing plates and is reportedly pumped-out by a vendor for offsite disposal of the contents, on an as-needed basis. A copy of an invoice was provided for our review, from Emerald Services, Inc. dated November 4, 2019 for pumping out the oil-water separator, and disposal of oily waste.

Most of the precipitation that reaches the subject property discharges to stormwater catch basins in paved areas at the property. These catch basins reportedly discharge to the City of Puyallup municipal sewer system in 4th St NW. One stormwater catch basin was observed adjacent to the southeast corner of the main building and was reported to discharge into soils to the south of the drain.

One additional grate-covered catch basin/sump was observed in the area beneath the parking deck located along the east side of the building. This catch basin was equipped with a sump pump and piping leading up to the ceiling of this area. It is believed that this sump discharges storm water that makes it into his area, up to the municipal sewer system in 4th St NW.

The subject buildings are equipped with rest rooms generating sanitary sewerage, that discharge to the municipal sewer system.

Although a sheen was noted in some catch basins, AECOM did not observe staining or sheen, or note suspicious odors, that would have indicated significant hazardous substance/ petroleum product discharges in or around the catch basins.

6.10 DRAINS, SUMPS AND SEPARATORS

Other separators or sumps were not observed additional to those mentioned in Section 6.7. Other drains were observed such as in restrooms/showers, however, evidence was not observed that would have indicated discharge of chemicals to the drains.

7.0 NEIGHBORING PROPERTIES

Land use in the site vicinity consists primarily of vehicle sales dealerships, single-family residences, commercial/consumer service operations such as a hotels, restaurants, and retail stores (Figure 2).

A summary of the neighboring properties is provided below:

- North –River Road beyond which is a Key Bank and a Look Larson Motors car dealership
- Northeast – the intersection of River Road and 4th Street NW, beyond which is a City of Puyallup storm sewer pump station, a strip mall with consumer service operations, and a parking lot associated with a Fred Meyer department store.
- East - 4th St NW beyond which is a Look Larson Motors car dealership.
- South - a Boush Moving & Storage facility.
- West – buildings and paved parking associated with another Northwest Motor Sport dealership.

The adjacent car dealerships include vehicle repair operations similar to those observed in the subject property. Other current adjacent operations were not observed that would have indicated significant potential for releases of hazardous substances or petroleum products to the environment.

8.0 AGENCY DATABASE REVIEW AND CONTACTS

AECOM reviewed databases and contacted agencies to identify potential concerns related to hazardous materials/wastes or petroleum products.

8.1 AGENCY DATABASE REVIEW

In accordance with the scope of work and ASTM Standard E1527-13, a search of various governmental databases was conducted. The site-specific environmental database report was reviewed to evaluate whether soil and or groundwater from an on-site and/or off-site source of concern has the potential to impact the subject property. Environmental Data Resources, Inc. (EDR) provided this information from a computerized database search for the subject property and sites within applicable ASTM radii of the subject property (Appendix D). The database abbreviations are provided in the site-specific environmental database report.

Shallow groundwater is inferred to flow southeasterly based on the site topography. For the purpose of addressing the relative hydraulic location of a facility to the subject property, properties located to the east are inferred to be potentially hydraulically upgradient. However, groundwater flow at the subject property cannot be determined

without performing onsite groundwater evaluations. A listing and description of selected databases searched, and number of sites confirmed to be located within the applicable radii are summarized below.

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
National Priorities List (NPL)	The USEPA NPL identifies uncontrolled or abandoned hazardous waste sites. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a state's top priority site, pose a significant health or environmental threat, or be a site where the Environmental Protection Agency (EPA) has determined that remedial action is more cost-effective than removal action.	1 mile	0
Proposed NPL List	The USEPA Delisted NPL database identifies NPL sites that have been delisted when “no further response is appropriate” under the Superfund program.	1 mile	0
Delisted NPL List	The USEPA Delisted NPL database identifies NPL sites that have been delisted when “no further response is appropriate” under the Superfund program.	1 mile	0
Corrective Action (CORRACTS) List	The USEPA CORRACTS database identifies hazardous waste handlers with Resource Conservation & Recovery Act (RCRA) Corrective Action activity.	1 mile	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)/No Further Remedial Action Planned (NFRAP)	The CERCLIS database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment. CERCLIS NFRAP sites are also included on the new SEMS-ARCHIVE list.	0.5 mile	1

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
Federal RCRA treatment, storage, or disposal (TSD) sites	RCRA TSD sites	0.5 mile	0
Federal RCRA Generators	RCRA-regulated hazardous waste generator notifier list; large quantity generators (LQG), small quantity generators (SQG), conditionally-exempt generators (VSQG) and facilities that are no longer generators (NonGen) are included in this list.	0.25 mile	1
Federal institutional and engineering controls databases	EPA's listing of sites with engineering or institutional controls in place.	0.5 mile	0
Federal Emergency Response Notification System (ERNS)	EPA's ERNS list contains reported spill records of oil and hazardous substances.	Subject property	0
Federal Brownfields Sites	Sites identified by the EPA as addressed by Targeted Brownfield Assessments and as recipients of Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreements.	0.5 mile	0
Confirmed and Suspected Contaminated Sites List (CSCL)	Washington State hazardous waste site records. State equivalent of CERCLIS.	1 mile	30
Hazardous Sites List (HSL)	Washington State equivalent of NPL	1 mile	5
State solid waste disposal and landfill (SWLF/LF)	State inventory of solid waste disposal and landfill sites.	0.5 mile	1
State leaking underground storage tanks (LUST)	List of information pertaining to all reported LUST.	0.5 mile	10

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
State underground storage tank (UST)	State UST sites listing.	0.25 mile	13
State Institutional Controls	State list of sites with institutional controls.	0.5 mile	7
State Brownfields	Listing of Brownfields included in the CSCSL listings.	0.5 mile	0
Voluntary Cleanup Program (VCP)	Sites that have entered into the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.	0.5 mile	7
Manufactured Gas Plants	An EDR proprietary listing of manufactured gas plants	1 mile	0
Historical Auto Stations	An EDR proprietary listing of potential gas stations	0.25 mile	1
Historical Cleaners	An EDR proprietary listing of potential dry cleaners	0.25 mile	0
Unmapped "Orphan" sites	Sites that have not been plotted on a map due to lack of sufficient data regarding their exact location within the general area.	-	5

8.1.1 Subject Property

One listing for the subject property address of 400 River Road was identified by the database review report.

- Friendly Chevrolet of Puyallup – EDR Site ID 1 This listing places 400 River Road on the UST, ALLSITES, RCRA NonGen/NLR, FINDS, and ECHO databases. According to information from the EDR report and Ecology's online databases, four USTs have been removed from this facility: a 650-gallon used oil UST which was installed in 1987 and removed in 2004; a 2,000-gallon unleaded gasoline UST and a 550-gallon used oil UST which were installed in 1964 and removed in 1996; and a 650-gallon used oil UST with an unknown installation date which was removed in 2004. These tanks likely include the three USTs that were documented as removed from the site as described in previous reports (Section 5.2), although the tank capacities are not consistent with the prior reports and one closed in place heating oil tank is reported to exist. This facility reportedly generated hazardous waste in 1993, and 1997 through 2000 with no

reported violations. The subject property addresses were not identified on databases of confirmed or suspected contaminated sites.

Listings were not identified for the 506 River Road or other current or historic subject property addresses.

8.1.2 Adjacent Sites

Addresses adjacent to the subject property were identified as follows:

- Korum Family Limited (Former Korum, current Northwest Motor Sport Site #6) – EDR Site ID A2, A3 and A5 was identified adjacent to the west of the subject property at 500 and 514 River Road as Korum RV, on the UST, ALLSITES, RCRA NonGen/NLR, Facility Index System (FINDS), and Enforcement and Compliance History Online (ECHO) databases. The EDR report and Ecology's online databases, two USTs one containing unleaded gasoline and one of unreported contents were installed at the subject property in 1964 and removed in 1996. This facility was also identified as a generator of hazardous waste in 1993, and 1998 through 2002 with no reported violations. The site contact was not aware of any previous USTs at the property. In addition, the subject property was identified at 500 River Road rear building as Korum Family Limited (EDR Site IDs B4 and B5) on the RCRA NonGen/NLR, ALLSITES, and MANIFEST databases. This facility was reportedly a generator of hazardous waste in 2005 and 2006 with no reported violations. The subject property was not identified on any contamination-related databases.

- Puyallup City of, Sewage Pump Station – EDR ID B4 – This site is located at "4th & River Road", across the intersection adjacent to the northeast of the subject property and is listed on the UST and ALLSITES databases. According to the EDR report this property had a UST with unspecified contents closed in 1994. The ALLSITES listing for this property indicate the site in the Toxics program related to an UST.

- Puyallup Chrysler Plymouth River Rd – EDR ID A6 and A7 – This site is located at 401 River Rd, across River Road adjacent to the north of the subject property, and is listed on the UST and ALLSITES databases, and is listed on the RCRA NonGen/NLR, FINDS, ECHO, UST, and Allsites databases. The EDR report and Ecology's online databases, one UST was installed in 1964 was closed in place in 1996 and one gasoline UST was installed in 1964 was removed in 1996. These dates may not be accurate, as they are the default dates used by Ecology when specific installation and/or removal dates are not known. This facility may have generated hazardous waste in 1994 with no reported violations. The 401 River Road property was observed to be currently occupied by Larson Motors.

- Arthur J Boush Moving & Storage Inc – EDR ID 8 – This site is located at 820 4th Street NW, adjacent to the south of the subject property, and is listed on the UST

and ALLSITES databases. The EDR report and Ecology's online databases, a leaded gasoline UST installed in 1964 was closed in place in 1996. This facility is not identified on any contamination-related databases.

- Landis, Donald – EDR Site ID B9 This site was listed at 324 River Road, across River Road adjacent to the east across 4th Street NW from the subject property and was identified on the Historic Auto Station database as a "gasoline service station" in 1972.

- Larson Motors – EDR Site ID B14 This site was listed at 300 River Road, adjacent to the east across 4th Street NW and crossgradient of the subject property, on the UST, ALLSITES, RCRA NonGen / NLR, FINDS, ECHO and MANIFEST DATABASES. The UST listing indicated 5 USTs removed from this property. This facility was not identified on databases of confirmed or suspected contaminated sites.

8.1.3 Surrounding Sites

A total of 189 sites were identified in the environmental database report within the specified search radii of the subject property. Some of these sites appear on multiple regulatory databases, and/or multiple facilities are listed on a single address.

The database review report identified sites within ¼-mile radius, although the majority were not on databases of confirmed or suspected contaminated sites, were inferred down- to cross-gradient from the subject property and/or had a status of "Cleanup Complete" or Final Cleanup report received.

The remaining sites listed in the EDR database report are considered to have a low potential to have impacted environmental conditions at the subject property because of one or more of the following factors: the reported site status, absence of reported release, absence of reported groundwater impact from the reported release, the distance from the subject property, and/or the inferred hydrogeologic cross/downgradient location from the subject property.

Five (5) unmapped "orphan" sites were also identified in the EDR database report. Unmapped orphan sites are facilities/locations that have not been plotted on a map based on lack of sufficient data regarding their exact location within the general area. Some of these sites appear on multiple regulatory databases, and several facilities are listed without an exact address.

Orphan sites were not identified with a distance, location and status that would represent a concern to the subject property.

8.2 VAPOR ENCROACHMENT SCREENING

8.2.1 Subject Property

In order to evaluate the potential migration of hazardous substances or petroleum products in vapor, AECOM conducted a Vapor Encroachment Screening (VES). The purpose of the VES is to determine whether a potential Vapor Encroachment Condition (VEC) exists, likely exists, cannot be ruled out, or can be ruled out because a VEC does not or is not likely to exist. The VES is not an exhaustive screening and is intended to reduce, but not eliminate, uncertainty regarding whether a VEC exists in connection with a property. The VES considered whether known or suspected soil or groundwater contamination was located on the subject property or within search distances of the subject property as specified in ASTM E 2600-10 (ASTM International 2010).

No on-site or adjacent confirmed current sources of vapor encroachment (e.g. volatile organic compound (VOC) contaminated soil and groundwater) were identified by the database review during this assessment. However, automotive repair operations at the subject property may have used degreasers and solvents which if released into the subsurface, could result in a VEC.

8.2.2 Offsite Properties

The environmental database review report was evaluated with the particular focus on the following two types of sites:

1. Offsite properties that are impacted by VOCs and/or semi-volatile-organic compounds (SVOCs) and are located within approximately 1,760 feet of the subject property, and
2. Offsite properties that are impacted by petroleum hydrocarbons and are located within approximately 530 feet of the subject property.

Sites with VOCs and/or SVOCs contamination were identified within the two categories of sites detailed above. However:

- Many of those sites can be ruled out due to their regulatory status (i.e. regulatory closure has been issued, cleanup is complete), and
- The remaining can be ruled out due to their media impacted (i.e. lack of identified groundwater contamination), the non-volatile nature of the contaminants identified, and/or topographical position from the subject property and/or presence of physical barrier impeding potential migration of vapors to the subject property.

Based on the screening information presented in the preceding sections that documented groundwater contamination at nearby and upgradient properties, it is AECOM's opinion that a potential VEC for the subject property was not indicated.

8.3 AGENCY CONTACTS

In addition to the database list search, AECOM contacted selected state and local regulatory agencies to obtain documents regarding the environmental condition of the subject property and surrounding properties. Presented below is a listing of the various public agencies contacted and a summary of relevant findings:

- **Washington State Department of Ecology (Ecology)** – AECOM submitted a Public Records Request to Ecology, and reviewed Ecology's web site as described in Section 8.3, The subject property addresses included a 1991 notification of dangerous waste activities for the 400 River Road address from Ken Parks Chevrolet Subaru for solvent (listed as Safety Kleen) and anti-freeze. The UST Decommissioning Project report for Friendly Chevrolet at 400 River Road (dated April 5, 2004) was also provided, in addition to documents detailing previous UST tightness testing (August 2000) and retrofit/repair (December 1998). The April 2004 UST decommissioning report included a section covering the decommissioning and removal of the hydraulic lift system located in the third service stall in the southern service area.

  An Ecology "Source Control Partnership Site Report for Chevrolet of Puyallup, Inc." dated 2009 was reviewed (Ecology, 2009). The one-page report documented a visit by an Ecology staff member. During the visit, the staff member confirmed that the oil-water separator located at the facility discharged wastewater to the municipal sanitary sewer via a connection in the main building.

  One waste manifest on file with Ecology documented that in 1991, the Chevrolet dealer generated hazardous waste in the form of spent parts washer solvent and coolant.

- **City of Puyallup** – AECOM submitted a Public Records Request to the City of Puyallup to ascertain whether the city has information on file related to building plans and permits for the subject property. Information provided included a building plan for the 400 River Road address for Service Chevrolet dated August 1978, in addition to numerous constructions permits and basic property diagrams showing relative locations of site features. Only one document, an April 2003 Puyallup Chevrolet wall sign permit, was provided for the 506 River Road address.

- **Washington State Department of Ecology** - AECOM reviewed well logs available from Ecology to assess local hydrology and whether the subject property or adjacent parcels may have monitoring wells present. AECOM identified the presence of twelve boring logs for the subject property, ten of which were installed by Ruby Henderson in August 2003 with the other two installed by NWMS in April 2011. These logs indicate the presence of sand gravel to the maximum explored depth of 20 feet bgs, with groundwater at approximately 18 feet bgs.

- **Tacoma-Pierce County Health Department (TPCHD) -** AECOM submitted a Public Records Request to the TPCHD to inquire whether they are aware of concerns at the subject property related to hazardous substances or petroleum products. At the time of this report AECOM is awaiting notice whether TPCHD has information related to the subject property.
- **Puyallup Fire Prevention Division –** AECOM contacted the Fire Inspector's office (FIO) to inquire whether they have records of installation or removal of USTs or ASTs. At the time of this report AECOM is awaiting notice whether FIO has information related to the subject property.
- **Pierce County Tax Assessor** – The Pierce County Tax Assessor web site was reviewed, and a Parcel Information Report was developed for the subject parcel. Information encountered on this report is provided throughout our report.

We have not received responses from all of the agencies contacted as part of this Phase I ESA. Should AECOM obtain additional information that would indicate the potential for a REC on the subject property, these findings would be provided in an addendum to this report.

9.0 FINDINGS

AECOM performed a Phase I ESA of the subject property in general conformance with the scope and limitations of ASTM Practice E1527-13, which meets the requirements of Title 40, Code of Federal Regulations Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections. Exceptions to, or deletions from, this practice are described within this report.

Based on the visual observations and information presented in this report, AECOM presents the following findings regarding the NWMS Site #3 property at 400 and 506 River Road, and an unspecified address on 4th Street NW, in Puyallup, Washington.

9.1 SUBJECT PROPERTY

Findings regarding current or past use, storage, handling and/or disposal practices involving hazardous substances/petroleum products at the subject property are summarized below.

- The 400 River Road portion of the subject property was occupied by a small building and woodlands in the 1940s, the earliest resource reviewed illustrating development specific to the property. The main site building consisting of service garages, a car sales showroom and office space was constructed in 1953. Additional structures with offices were constructed in 1965 and 1990, and two additional service garages were built in 1966 and in the early 2010s. The subject property has historically been occupied by car sales and service facilities since the

1950s including Chevrolet, Subaru, Friendly Chevrolet of Puyallup, Bulletproof LLC, and Northwest Motorsport.

The 506 River Road portion of the subject property was listed as occupied by the US Department of Agriculture in the 1960s. By 1970s, the US Department of Agriculture was no longer listed at the address and the building that had been located on the northwestern portion of this parcel was no longer noted on historical aerial photographs.

- Previous reports provided for our review included: A Focused Phase II Subsurface Investigation (Riley Group, 2011), a 2013 Phase I ESA (Partner, 2013), and a 2016 Phase I ESA (Robinson Noble, 2016). Partner identified the lack of PCB testing during the 2011 assessment of the soil conditions near the former in-ground hydraulic lifts as a REC. They also indicated that the presence of in-ground hydraulic lifts located in the south service bay area was also a REC. Four UST formerly in use at the site, a gasoline, heating oil, and two waste oil tanks were considered historical RECs, as there is documented removal and closure of each tank with confirmation sampling and soil remediation analytical results indicating proper regulatory closure. The 2016 Phase I ESA (Robinson Noble, 2016) did not identify any on site RECs, but indicated they considered an inferred upgradient diesel/gasoline UST on the southern adjacent property (Boush Moving & Storage) a REC, although no indication of a release was reported. A 2003 Phase II ESA performed by Encore was summarized in the previous ESAs, but AECOM was not able to obtain a copy of this report for an independent assessment of the findings. This represents a data gap.
- The subject property consists of three parcels that are owned by HILT. The majority of the property is covered by paved parking used for vehicle inventory parking. An approximately 17,000 SF two-story main building and a small Buying Center are situated on the north portion of the property; an approximately 4,000 SF lower shop building is on the southwest portion of the property; and an approximately 300 SF building is present on the southeast portion of the property (Figure 2). The main building includes a customer showroom, north and south vehicle service repair/shop areas, office spaces and a parts room (Figure 3); and the southwest building is primarily occupied by vehicle repair bays and a tire bay.
- Documents obtained from Ecology included a 1991 notification of dangerous waste activities for the 400 River Road address for Ken Parks Chevrolet Subaru. The UST Decommissioning Project report for Friendly Chevrolet at 400 River Road (2004) was also provided, in addition to documents detailing previous UST tightness testing (2000) and retrofit/repair (1998). The 2004 UST decommissioning report (EMS, 2004) included a section covering the decommissioning and removal of the two hydraulic lift system located in the third service stall in the southern service area.
- No USTs are presently in use at the subject property. Four former USTs were identified at the property including: two generations of waste oil tanks (reportedly

1000 and 500 gallons) at the same location and both were removed; a 5,000-gallon gasoline UST removed in 1996 and a closed in place 500-gallon heating oil UST (Figure 2). Two capped pipes in the configuration of a heating oil UST supply and return were observed in the basement level of the main building interior west wall. Seven ASTs were observed at the subject property in the North Shop Area, the South Shop Area and the lower shop building. The ASTs contained new and used engine oil and ranged in size from 465 to 150 gallons (Figure 3). Other smaller quantities of hazardous materials were observed throughout the building including: engine coolant; automatic transmission fluid; windshield wash; brake fluid and parts washer solvent, in quantities commensurate with onsite use in motor vehicle repair operations. The floor in the area of the tanks had various degrees of oily staining and residue, however, staining was not observed that would have indicated the potential for significant releases to the subsurface environment.

- Vehicle service bay hoists are currently all aboveground, and each equipped with approximately 3-gallon reservoirs of hydraulic fluid. Based on the apparent age of these hoists, the potential is low for the fluid to contain PCBs, and evidence of significant releases of the hydraulic fluid were not observed. The former in ground hydraulic hoist locations were evident by patches in the floor in the north and south shop areas (Figure 3). A 2004 report (EMS, 2004) documented the removal of 2 hoists in the South Shop as well as the removal of the waste oil tank (Appendix B). The other eleven in ground hoists were reportedly removed in 1987 (Partner 2013). The Phase II investigation conducted in by Encore in 2003 included ten borings in the area of the former hoists (Partner, 2013), and no significant levels of petroleum hydrocarbons were reportedly detected in soil groundwater.
- The majority of precipitation that reaches the subject property discharges to stormwater catch basins observed in paved areas at the property. These catch basins reportedly discharge to the City of Puyallup municipal sewer system in 4th St NW. One stormwater catch basin was observed adjacent to the southeast corner of the main building that is reported to discharge into the subsurface consistent with a dry well. It was also reported that during times of high rainfall, this drain backs up, possibly due to the carrying capacity of the site soils being saturated.

9.2 PROPERTY VICINITY

Findings regarding current or past use, storage, handling and/or disposal practices involving hazardous substances/petroleum products in the subject property vicinity are described below.

- In the 1950s the surrounding parcels were mostly undeveloped, with developed residential properties to the south. By the 1960s the surrounding area was developed with commercial properties. The adjacent properties consisted of vehicle sales from 1969 to 2014. The adjacent west parcel was first developed in the 1960s and was listed as Puyallup Tractors. The adjacent southern parcel was

developed in the 1960s and listed as Boush Moving & Storage Inc and Grants Insurance Agency. The adjacent north parcel is first listed as Puyallup Chrysler Plymouth Auto Dealers in 1974. From approximately 1969 to mid-1970s River Road Gulf Station is listed at 324 River Road, adjacent east of the subject property, on the east side of 4th Street NW.

- Database review sites were not indicated to have created a VEC at the subject property.

10.0 CONCLUSIONS

AECOM performed a Phase I ESA at the NWMS Site #3 property at 400 and 506 River Road in Puyallup, Washington, in general conformance with the scope and limitations of ASTM Practice E1527-13.

10.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

The assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except as described below:

- Historical automotive repair/maintenance operations that have occurred within the north, south and lower shops; and vehicle covered wash bay. These operations have historically used and stored hazardous chemicals and petroleum products as well as generating associated automotive wastes (e.g. used oil and coolant, parts washer fluid, spent degreasers, etc.). Inadvertent releases or poor waste management may have resulted in impacts to the soil and groundwater quality. Historic site uses are collectively considered to be a REC and other specific RECs are summarized below.
- In ground hydraulic hoist were formerly in use in the north and south vehicle maintenance shops, these former features were evident by patches in the floor. Diesel- and gasoline-range total petroleum hydrocarbons were not detected during a previous investigation in the vicinity of the hydraulic lifts. It was noted that this investigation did not include testing for PCBs (Partner 2013). Therefore, potential presence of PCB contamination associated with operation of historical hydraulic lifts represents a REC.

Although not a REC, the following represents a potential environmental concern:

- A catch basin located adjacent to the southeast corner of the main building was reportedly a dry well, and at times of extended high precipitation, backs up and the water is pumped to another nearby catch basin.
- Surrounding properties were identified as historically, and some currently, as having been occupied by vehicle sales and service operations, including adjacent to the east which was listed as a gas station in 1972.

A Phase II investigation should be considered to assess whether the historic site uses have affected the site soil and groundwater quality. The investigation would focus on the auto repair and former in-ground vehicle repair hoists and catch basin/sumps.

10.2 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on the above-described activities, no CRECs were identified in connection with the subject property.

10.3 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

No HRECs were identified associated with the subject property.

10.4 DE MINIMIS CONDITIONS

The following DMCs were identified during this assessment:

- Staining was observed on floors in several locations in the subject buildings, including in the vehicle service shops, and in the parking areas. Staining in some areas of the building appeared generalized likely from years of incidental small-scale spills associated with vehicle maintenance and repair operations; and the staining in the parking lot appears consistent with incidental drips of motor vehicle fluids associated with years of vehicle parking.

11.0 LIMITATIONS

This Phase I ESA has been prepared for the exclusive use of RFJ in accordance with the Scope of Services described in AECOM's proposal prepared for RFJ dated December 12, 2019. The work conducted by AECOM is limited to the services agreed to with RFJ and no other services beyond those explicitly stated should be inferred or are implied.

This report describes the results of AECOM's Phase I ESA to identify the presence of contamination-related liabilities materially affecting the subject facility and/or property. In the conduct of this assessment, AECOM assessed the presence of such problems within the limits of the established scope of work as described in our proposal.

As with any due diligence assessment, there is a certain degree of dependence upon oral information provided by facility or site representatives, which is not readily verifiable through visual observations or supported by any available written documentation. AECOM shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings and opinions expressed in this report are subject to certain conditions and assumptions, which are noted in the report. Any party reviewing the findings of the report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject property. The statements, findings and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject property.

As specified in the ASTM standard (referred to below as "this practice"), it is incumbent that the client and any other parties who review and rely upon this report understand the following inherent conditions surrounding any Phase I ESA:

- Uncertainty Not Eliminated - No ESA can wholly eliminate uncertainty regarding the potential for REC in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for REC in connection with a property, and this practice recognizes reasonable limits of time and costs. (Section 4.5.1 of the ASTM standard)
- Not Exhaustive - "All appropriate inquiry" does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2 of the ASTM Standard)

- Comparison with Subsequent Inquiry - ESAs must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors. (Section 4.5.4 of the ASTM Standard)
- A similar set of inherent limitations exist in cases where the Phase I ESA included a screening-level assessment of vapor migration or vapor encroachment; such an assessment is a required part of a Phase I ESA when the ASTM E1527-13 standard is employed. According to the ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, the following limitations apply:
- Uncertainty Not Eliminated in Screening - No vapor encroachment screen (VES) can wholly eliminate uncertainty regarding the identifications of vapor encroachment conditions (VECs) in connection with the target property (Section 4.5.1).
- Not Exhaustive - The guide is not meant to be an exhaustive screening. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of real estate transactions. One of the purposes of this guide is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing a VES and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2)
- Comparison with Subsequent Investigations - It should not be concluded or assumed that an investigation was not adequate because the investigation did not identify any VECs in connection with a property. The VES must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent VESs should not be considered valid bases to judge the appropriateness of any prior screening if based on hindsight, new information, use of developing technology or analytical techniques, or similar factors (Section 4.5.4)
- This report was prepared pursuant to an agreement between RFJ and AECOM and is for the exclusive use of the Client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM-generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.
- The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions, which would render the report inaccurate. Reliance on this report after the date of issuance as an accurate representation of

current site conditions shall be at the user's sole risk, per ASTM standard practice (Section 4.6).

11.1 SITE-RELATED LIMITING CONDITIONS

The following site-specific limitations were encountered during the course of this assessment:

- Access was not provided to Rick's office (upper) level of the southeast corner building, however, the lower level of this building where chemicals are stored was accessed.

- The day of our site visit a record high amount of rainfall occurred, thereby limiting our visual assessment for staining and surface conditions.

- Parked vehicles and stored items around and in the subject buildings limited the visual assessment of the surface conditions.

11.2 DATA GAPS / DATA FAILURE

The following data failure/data gaps were encountered during the course of this assessment:

- As specified in the agreed upon scope of work, a deed history search and environmental lien search were not conducted as part of this ESA. However, based upon historical data collected from other sources, this data gap is not expected to impact the results of this assessment. In addition, the user was not aware of environmental liens or activity use limitations (AULs) that have been placed on the subject property, and the database review did not identify AULs for the subject property addresses.

- Per ASTM, past owners, operators, and occupants of the subject property who are likely to have material information regarding the potential for contamination at the subject property shall be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. AECOM was unable to interview past owners and/or operators at the subject property. However, based upon historical data collected from other sources, this data gap is not expected to represent a significant potential impact to the results of this assessment.

- Per ASTM, Users of the Phase I ESA report will provide specific information they may possess such as knowledge of environmental liens or activity and use limitations (AULs) on the subject property; any specialized information that would indicate the presence of RECs related to the subject property, and whether they have not compared the proposed purchase price of the property to the fair market value for non-contaminated sites. Northwest Motor Sport provided three reports for our review, as summarized in Section 5.2. AECOM did not receive such information from RFJ.

Opinions and recommendations presented herein apply to the subject property conditions existing at the time of our investigations and cannot necessarily apply to subject property changes of which AECOM is not aware and has not had the opportunity to evaluate. Changes in the conditions of this property may occur with time due to natural processes or the works of man on the subject property or adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

AECOM's objective is to perform our work exercising the customary standard of care, in accordance with the standard for professional services for a national consulting firm at the time these services are provided. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental liability on a particular site. Therefore, AECOM cannot act as insurers and cannot "certify or underwrite" that a site is free of environmental contamination, and no expressed or implied representation or warranty is included or intended in our reports except that our work was performed, within the limits prescribed by our client, in accordance with the customary and professional standard of care described herein.

12.0 PROJECT PERSONNEL

The Phase I ESA reported herein was conducted, and the report prepared, by Mr. Al Thatcher, Sr. Environmental Scientist of the Seattle, Washington office. Technical direction and review was provided by Mr. David Raubvogel, Sr. Geologist of our Seattle office. A brief description of their qualifications is presented below.

Mr. Thatcher has a Bachelor's degree in Natural Resource Studies and more than 35 years of experience working with hazardous / regulated materials, including conducting and managing over 1,000 ESAs, environmental assessments at manufacturing and industrial facilities, automobile repair facilities, power plants, military facilities, scrap yards and undeveloped parcels of land.

Mr. Raubvogel has a Bachelors and a Master's degree in geology and more than 36 years' experience conducting and managing Phase I ESAs and soil/groundwater remedial investigations and remedial actions. He is a Licensed Geologist in Washington and Wyoming.

13.0 DECLARATION OF ENVIRONMENTAL PROFESSIONALS

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR 312.10. We have the specific qualifications based on education, training, and experience to assess a property

of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in general conformance with the standards and practices set forth in 40 CFR Part 312 subject to the limitations as described in this report and authorized scope of work.

Al Thatcher
Senior Environmental Scientist

David Raubvogel
Senior Geologist, LHG, PG

14.0 REFERENCES

ASTM International (ASTM), 2013. Standard E1527-13, *"Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."*

CDM, 2011. Remedial Investigation Report, USG Interiors Puyallup Site, Puyallup, Washington. June 13.

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Environmental Data Resources, Inc. (EDR), 2019. *The EDR Aerial Photo Decade Package*, RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.8. December 17.

EDR, 2019a. *The EDR City Directory Abstract,* RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.5. December 20.

EDR, 2019b. *The EDR-Radius Map with Geocheck*, RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.2s. December 17.

EDR, 2019c. *The EDR Certified Sanborn Map Report,* RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.3. December 18.

EDR, 2019d. *Historical Topographic Map Report,* RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.4. December 17.

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Ecology, 2009. Source Control Partnership - Site Report for Chevrolet of Puyallup, Inc. April 18.

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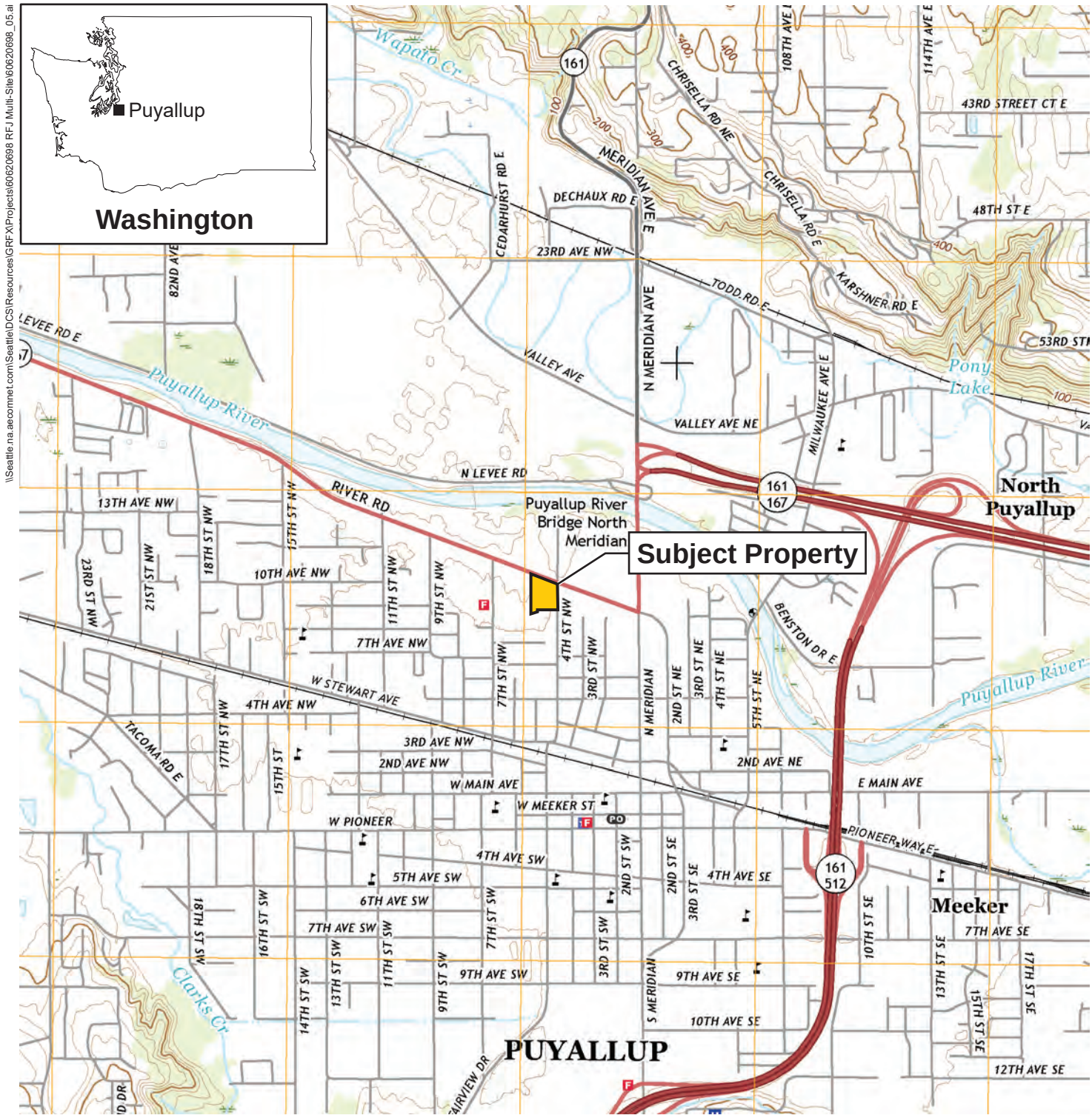
FIGURES



Source: USGS 7.5-minute topographic quadrangle, Puyallup, WA, 2017

0 2,000 4,000

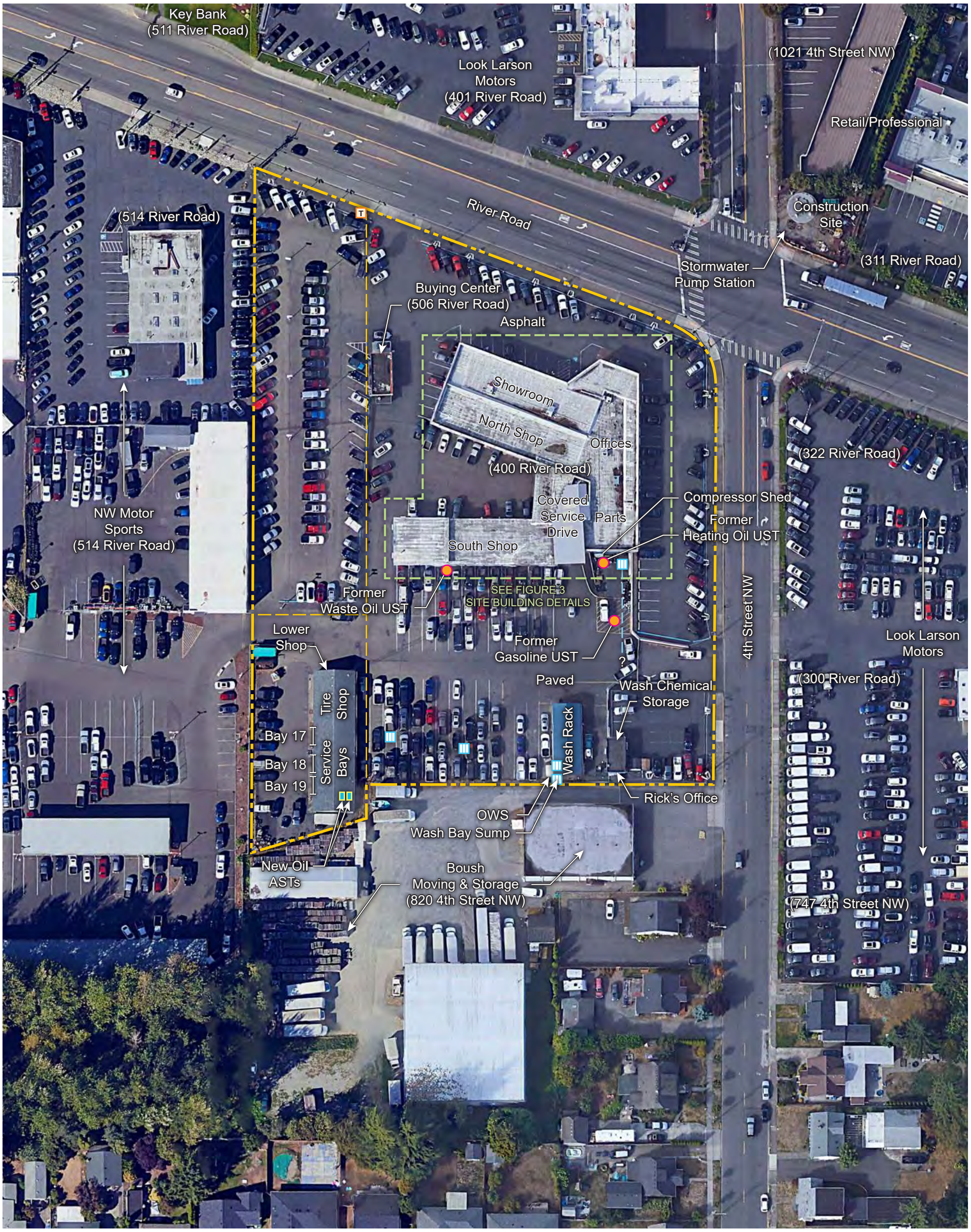
Scale in Feet

Figure 1

Site Location

AECOM

RJF Auto – Site 3
400 & 506 River Road, & ___ 4th St NW, Puyallup, Washington



Source: Google Earth Pro, imagery dated 7/1/2018

Legend

- Subject property boundary
- Parcel boundary
- Catch basin
- Pad-mounted transformer
- OWS — Oil-water separator
- Approximate location of former UST

N

0 80 160

Approximate Scale in Feet

Figure 2

Site Plan

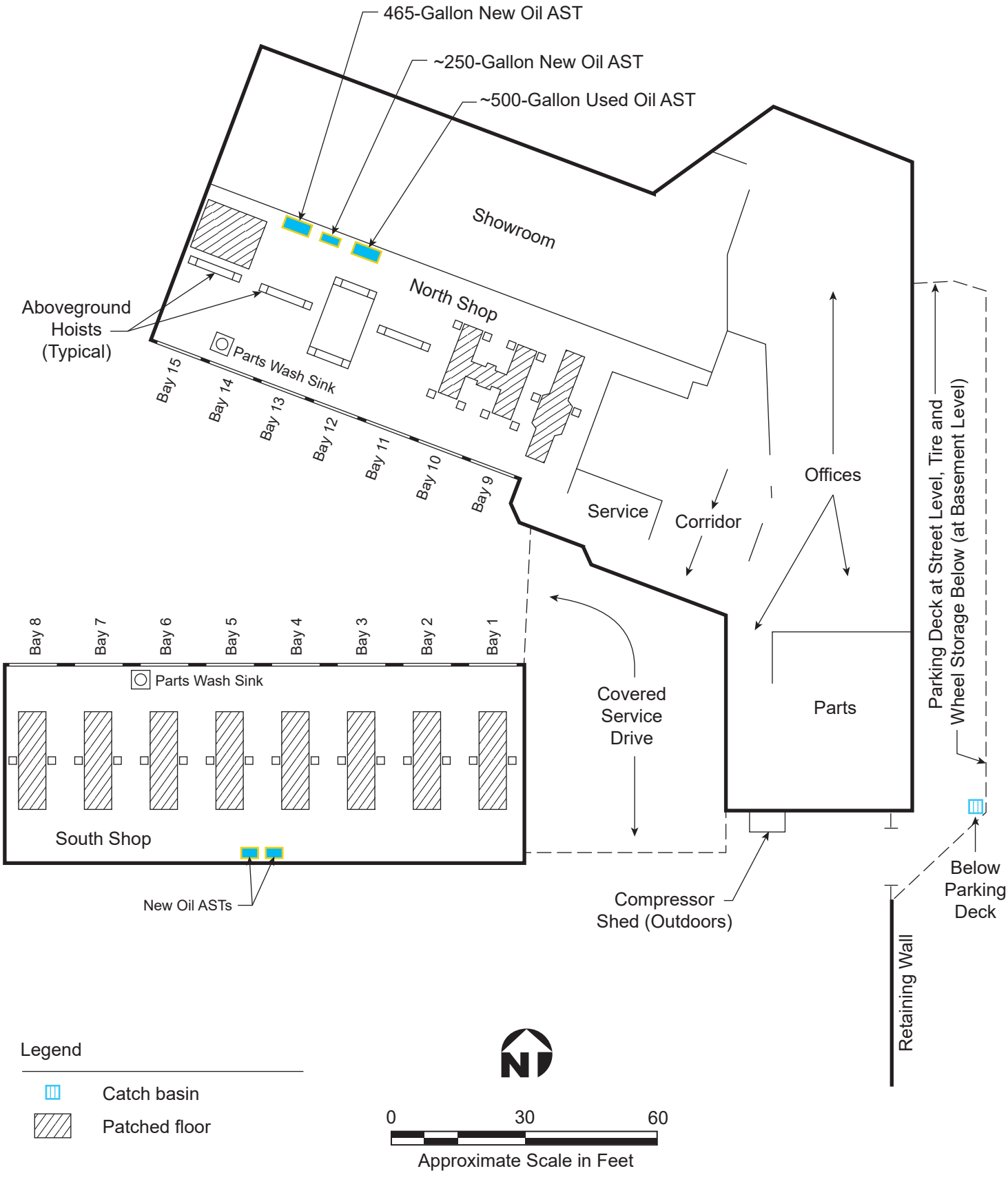


Figure 3

400 River Road Building Details

APPENDIX A

HISTORICAL DOCUMENTS

RFJ - Site #3

400 River Road

Puyallup, WA 98371

Inquiry Number: 5909224.4

December 17, 2019

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/17/19

Site Name:	Client Name:
RFJ - Site #3	AECOM
400 River Road	1111 Third Avenue Suite 1600
Puyallup, WA 98371	Seattle, WA 98101
EDR Inquiry # 5909224.4	Contact: AL THATCHER

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	60620698	**Latitude:**	47.19938 47° 11' 58" North
Project:	RFJ Auto - Site #3	**Longitude:**	-122.299189 -122° 17' 57" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	553080.94
		UTM Y Meters:	5227559.07
		Elevation:	34.17' above sea level

Maps Provided:

2014	1944
1997	1941
1994	1900
1981	1897
1973	
1968	
1961	
1949	

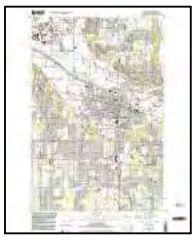
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets

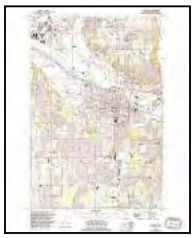
Puyallup
2014
7.5-minute, 24000

1997 Source Sheets



Puyallup
1997
7.5-minute, 24000
Aerial Photo Revised 1990

1994 Source Sheets



Puyallup
1994
7.5-minute, 24000
Aerial Photo Revised 1990

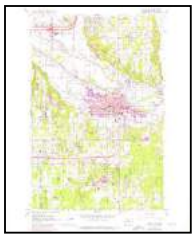
1981 Source Sheets

Puyallup
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



Puyallup
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets

Puyallup
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1961 Source Sheets

Puyallup
1961
7.5-minute, 24000
Aerial Photo Revised 1957

1949 Source Sheets

PUYALLUP
1949
7.5-minute, 25000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1944 Source Sheets

TACOMA SOUTH
1944
15-minute, 50000

1941 Source Sheets

Tacoma South
1941
15-minute, 62500

1900 Source Sheets

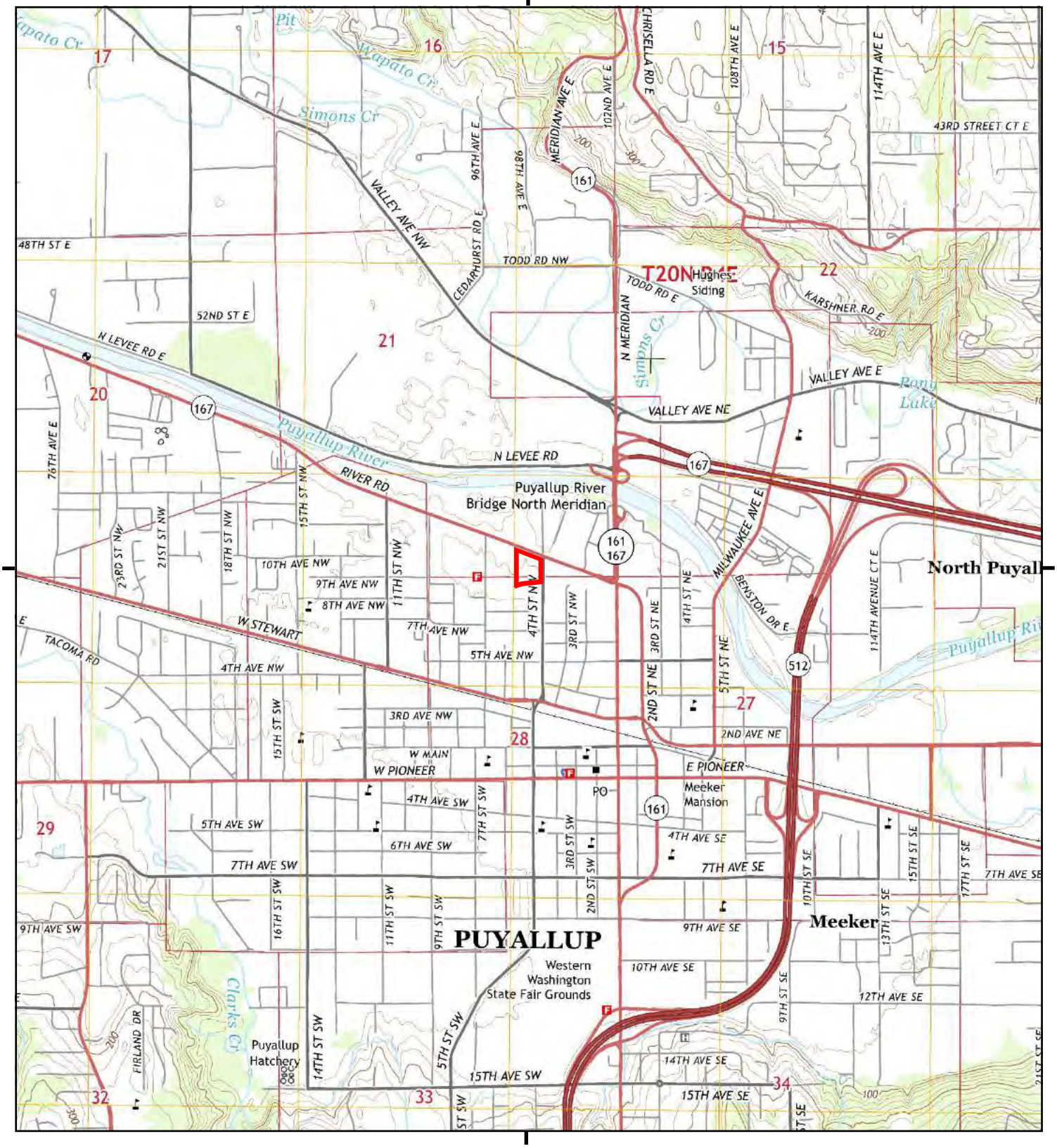
Tacoma
1900
30-minute, 125000

1897 Source Sheets

Tacoma
1897
30-minute, 125000

Historical Topo Map

2014



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

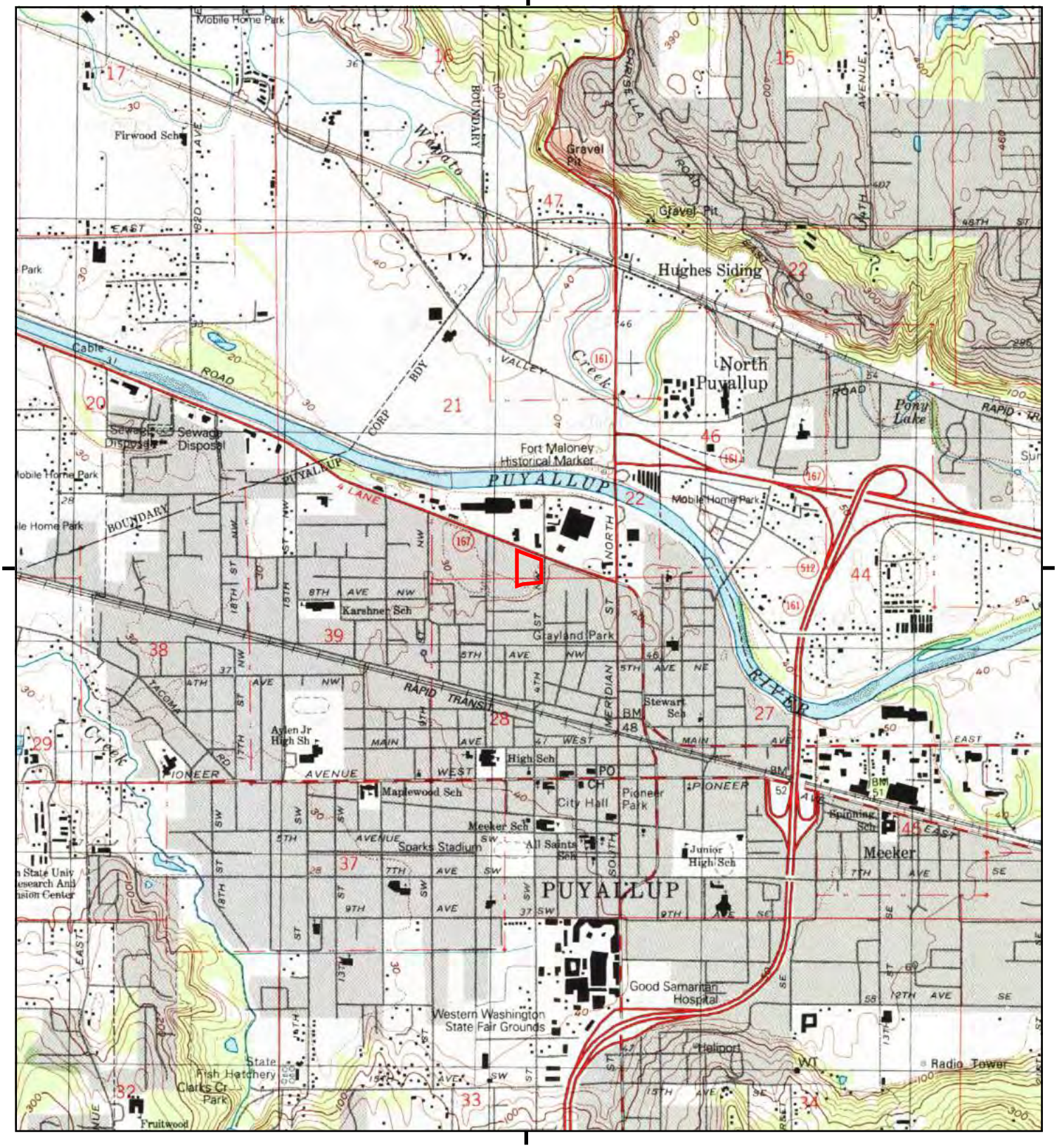
TP, Puyallup, 2014, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1997



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

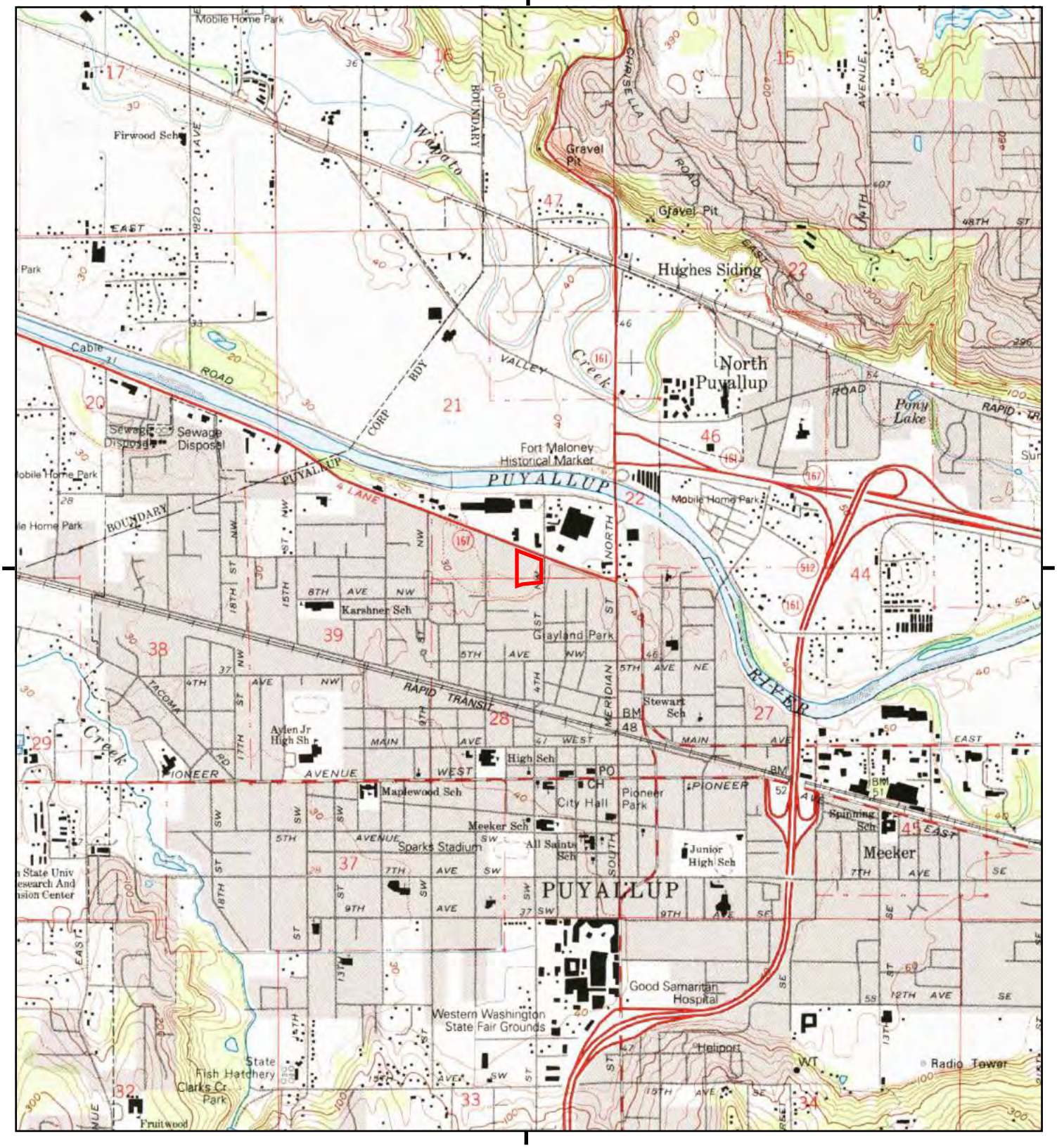
TP, Puyallup, 1997, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1994



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NW N NE
W E
SW S SE

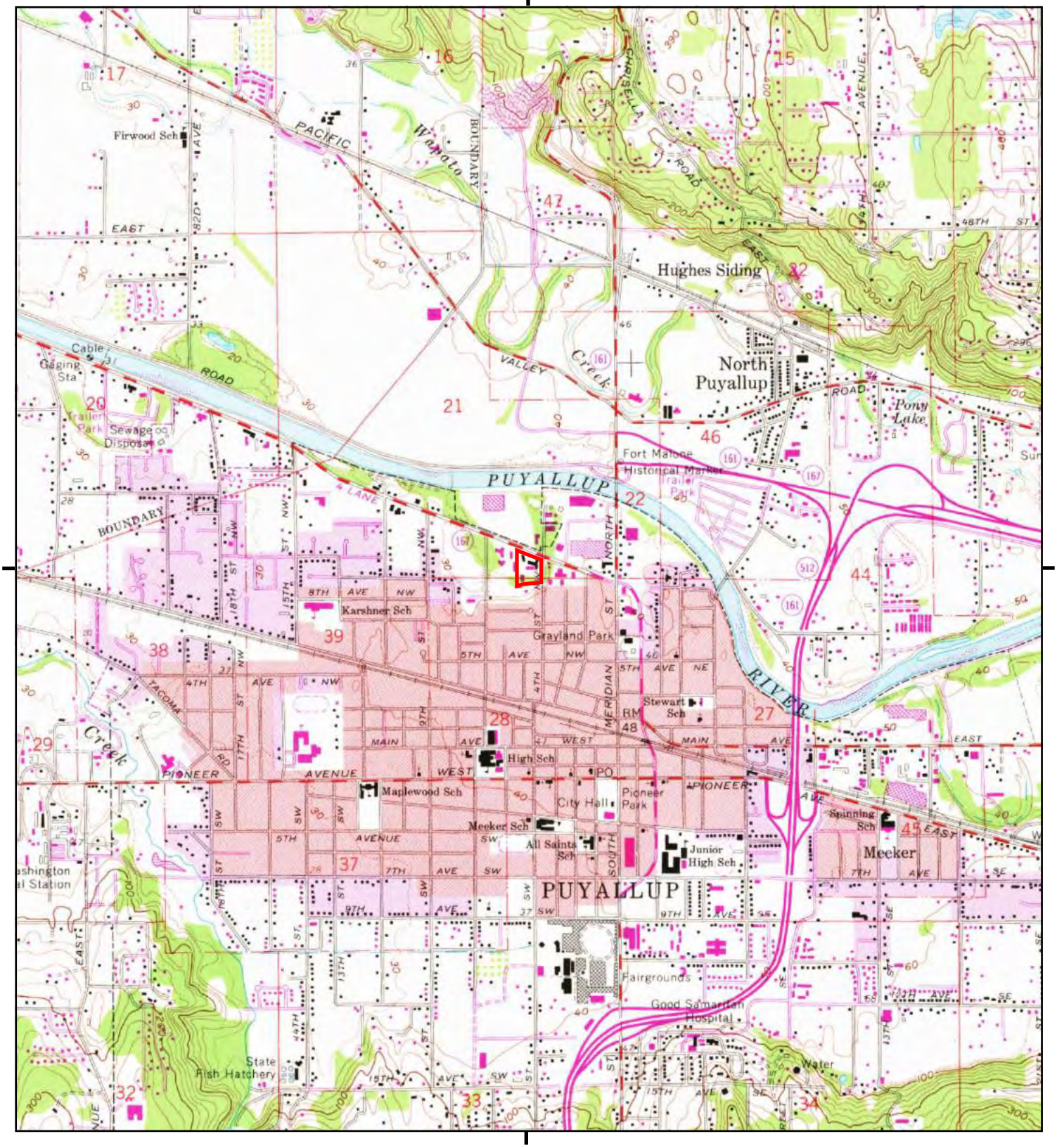
TP, Puyallup, 1994, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1981



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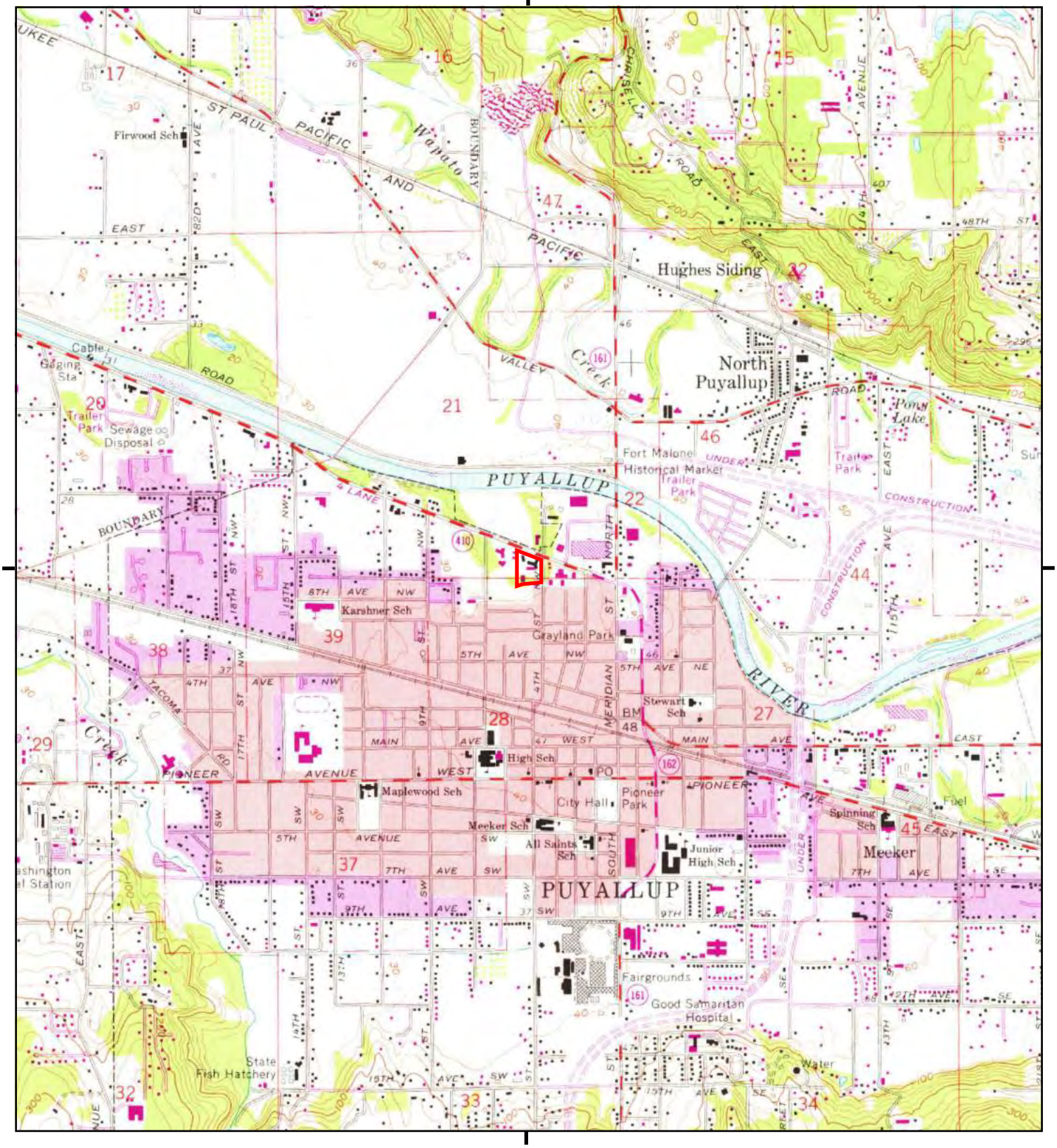
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Puyallup, 1981, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



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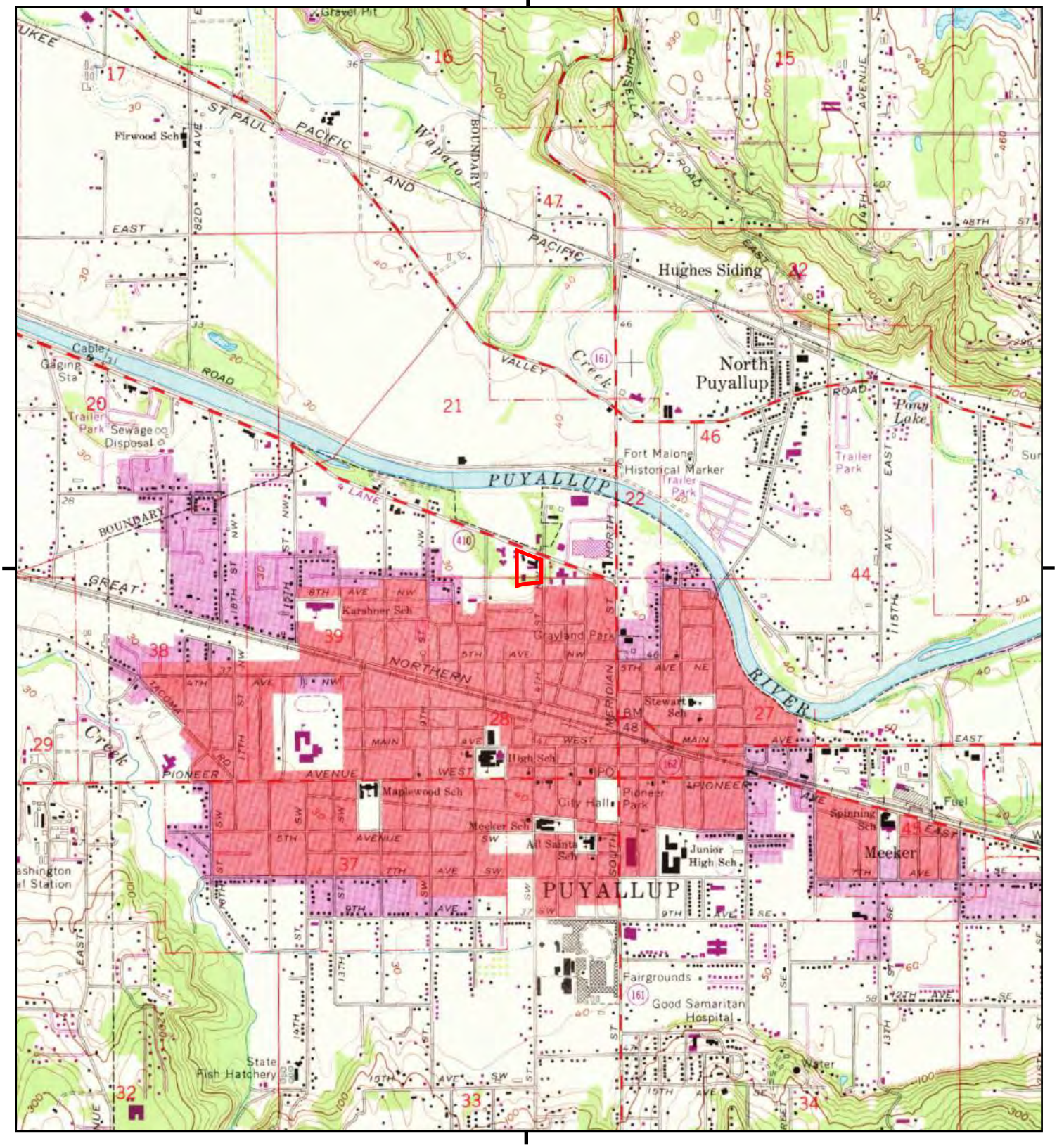
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Puyallup, 1973, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

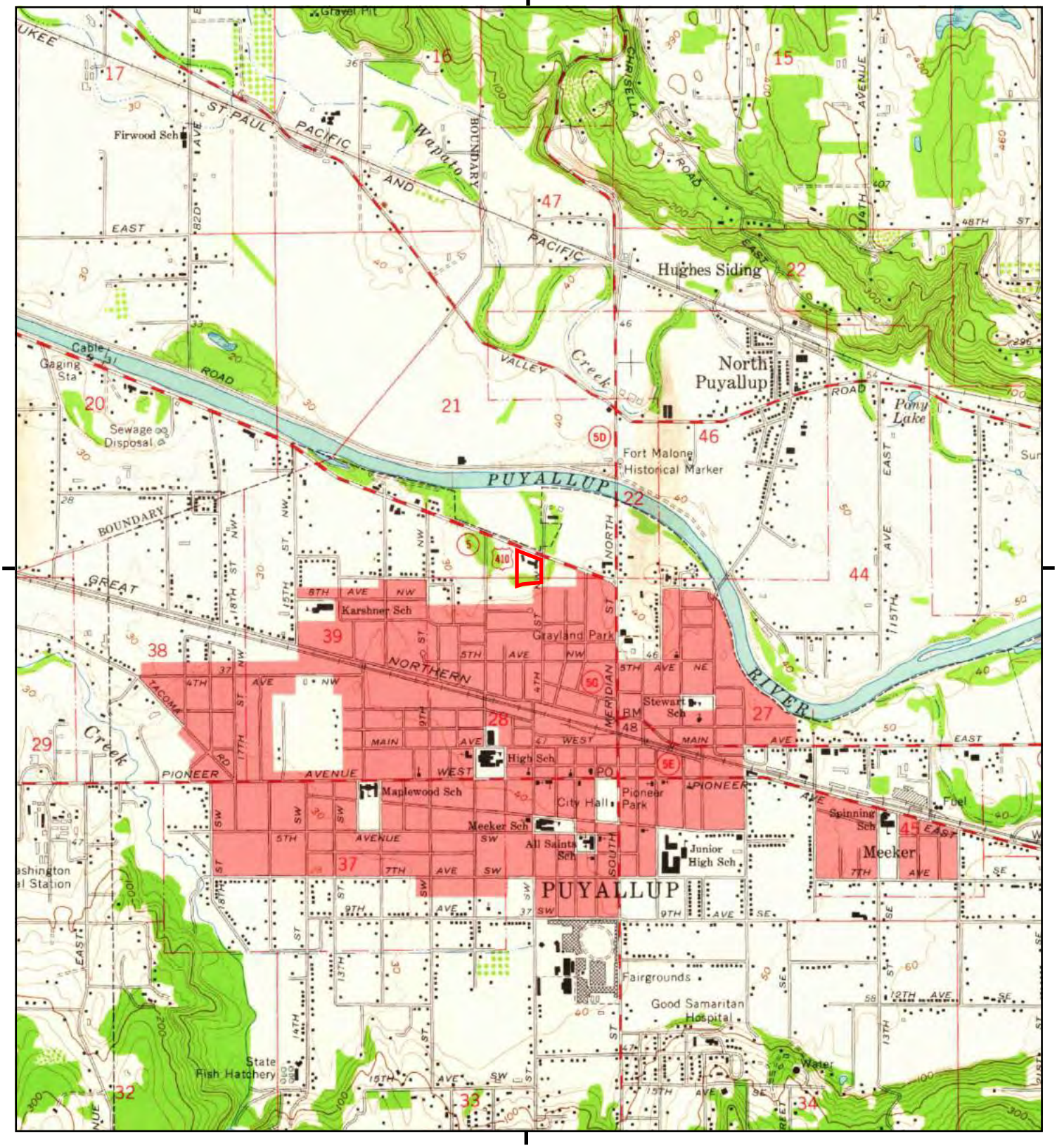
TP, Puyallup, 1968, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1961



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

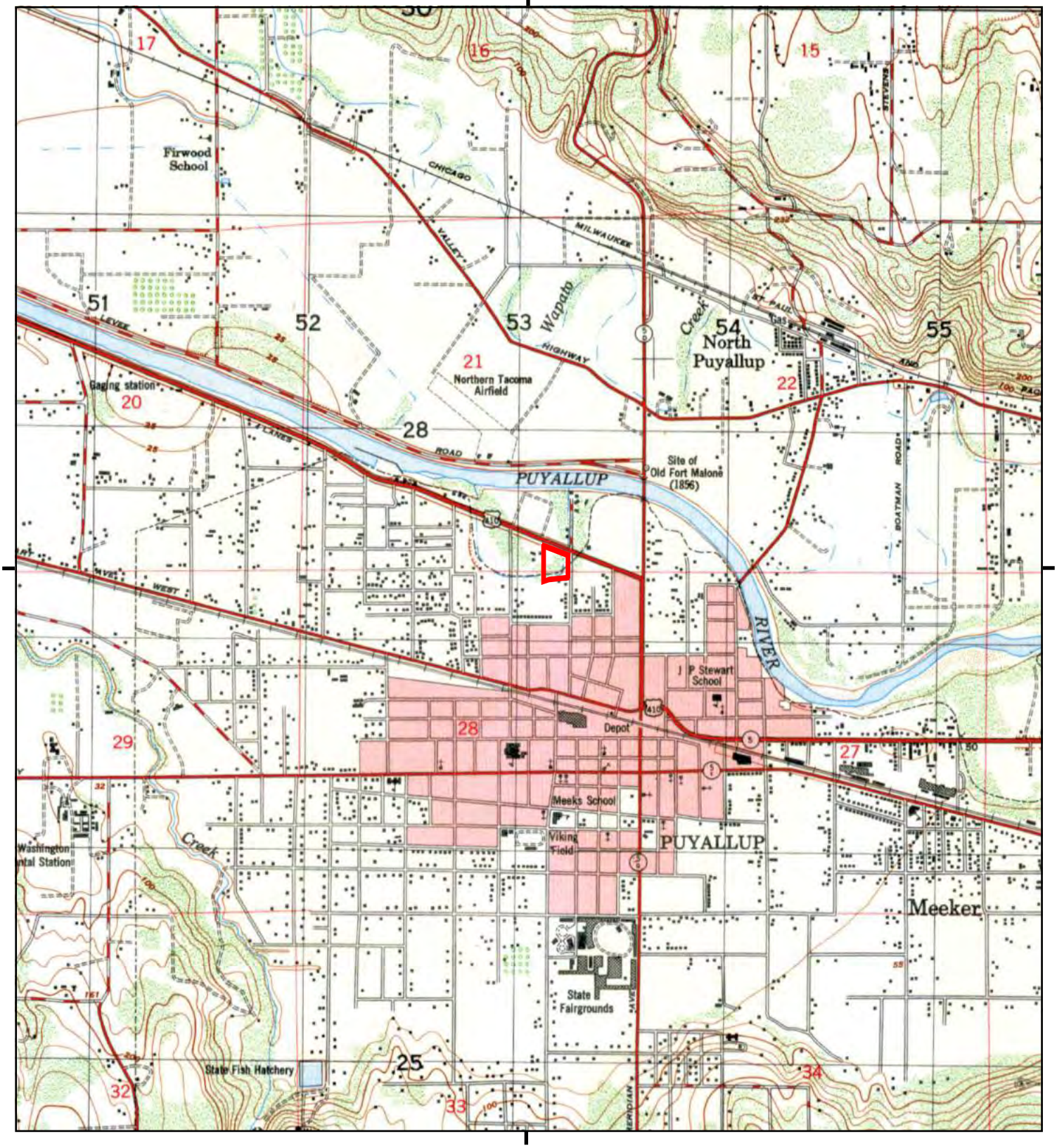
TP, Puyallup, 1961, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1949



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NW N NE
W E
SW S SE

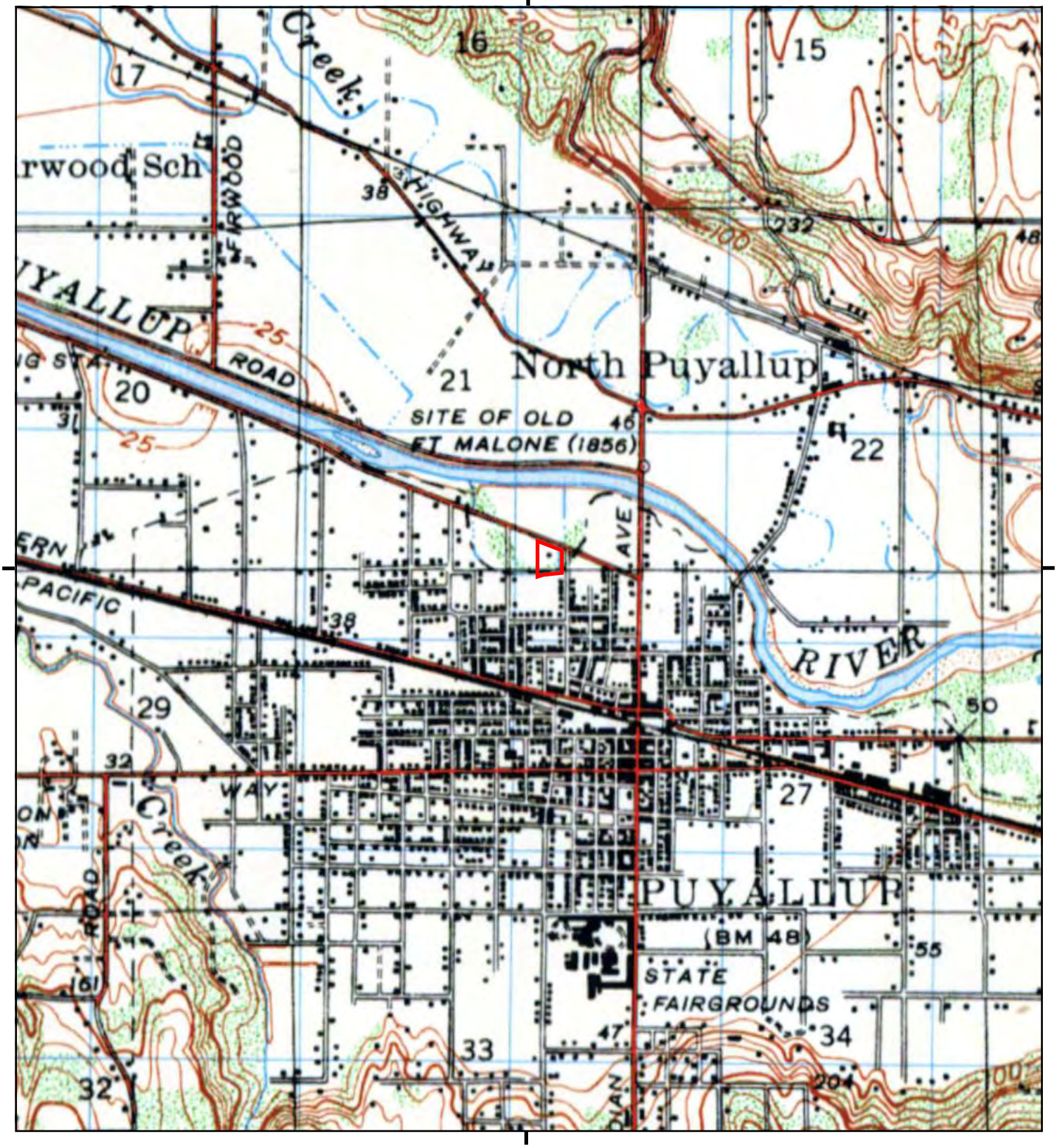
TP, PUYALLUP, 1949, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1944



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

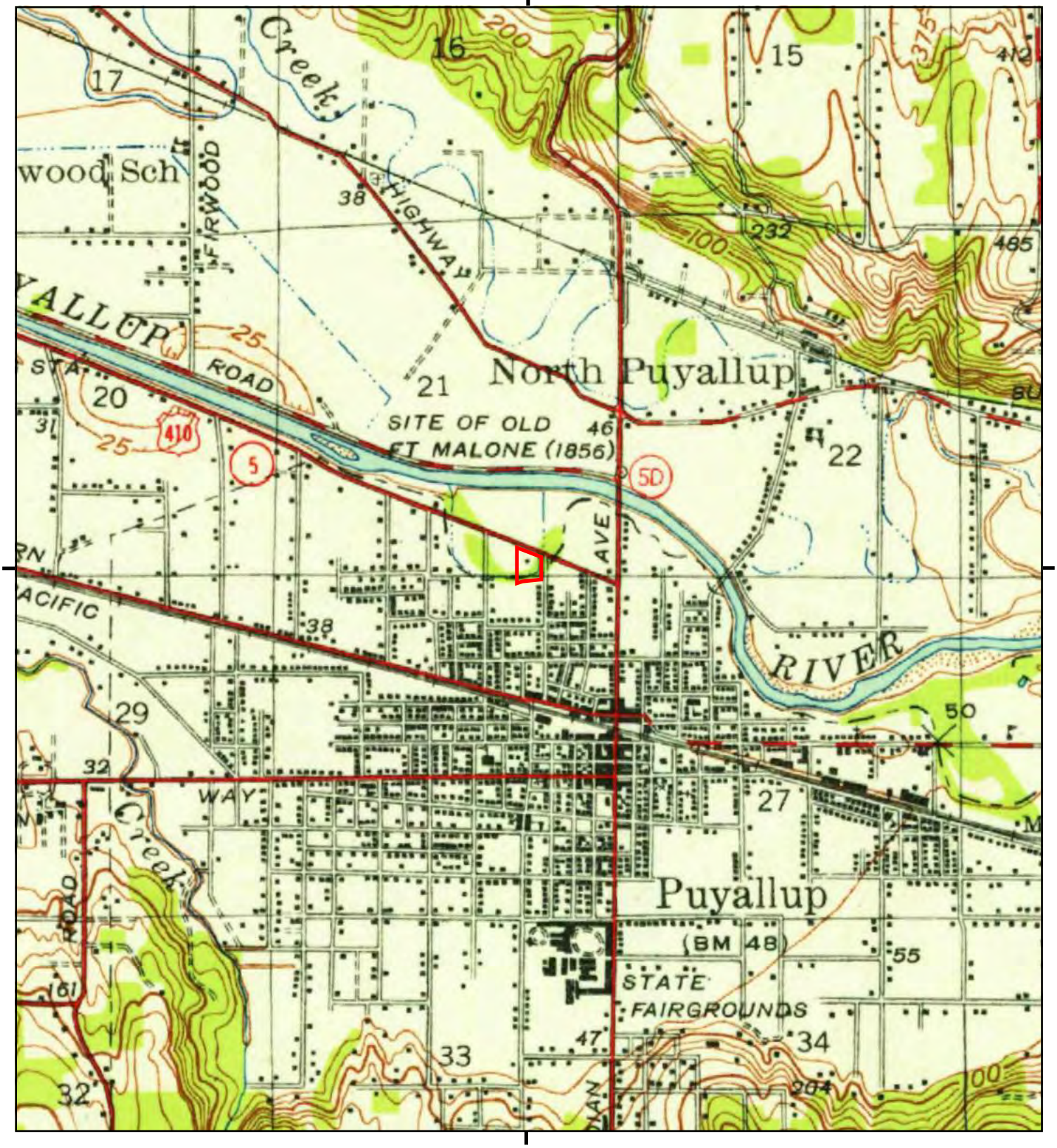
TP, TACOMA SOUTH, 1944, 15-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1941



This report includes information from the following map sheet(s).

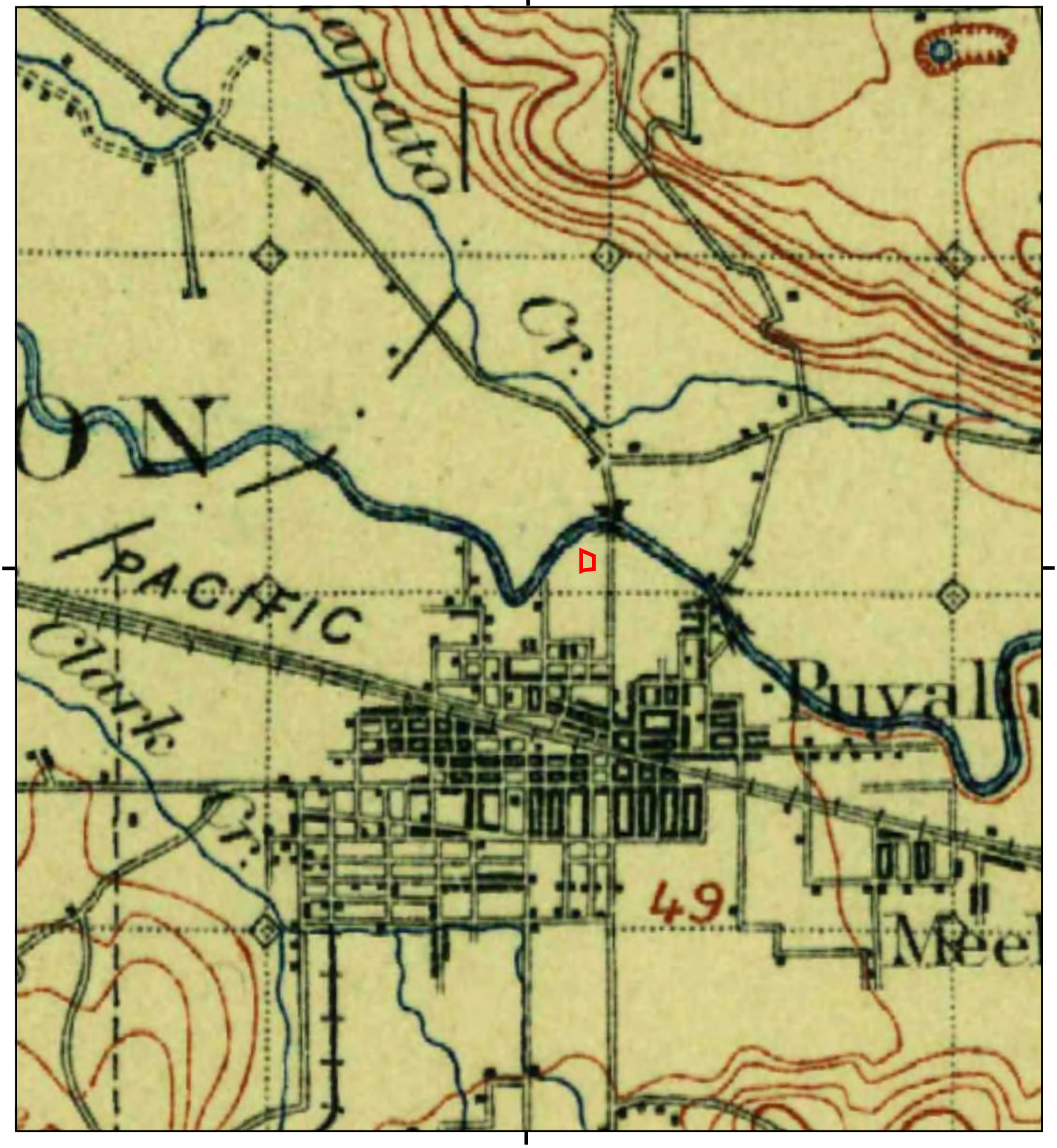
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma South, 1941, 15-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



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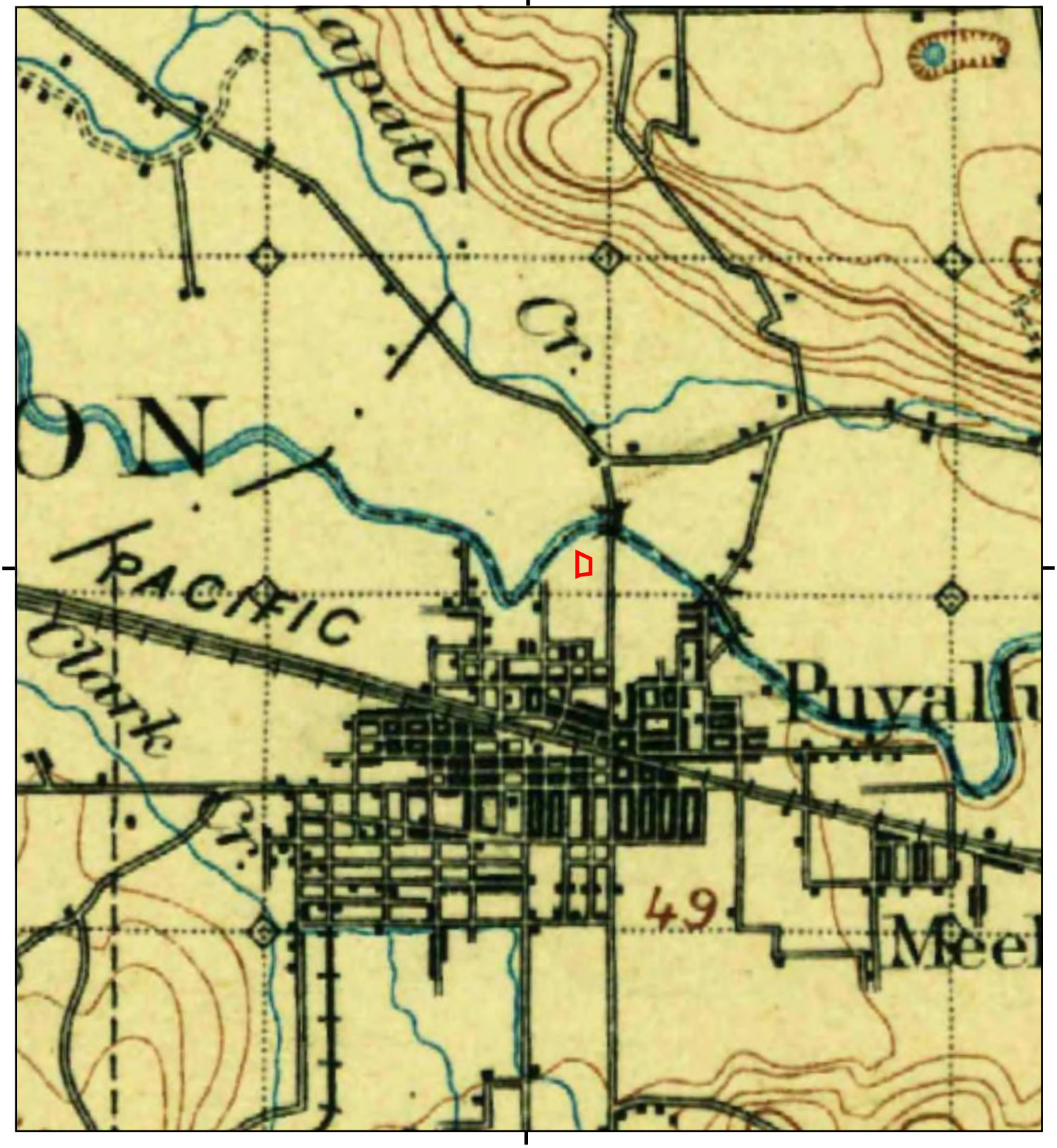
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1900, 30-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1897, 30-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

RFJ - Site #3

400 River Road

Puyallup, WA 98371

Inquiry Number: 5909224.3

December 18, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/18/19

Site Name:

RFJ - Site #3
400 River Road
Puyallup, WA 98371
EDR Inquiry # 5909224.3

Client Name:

AECOM
1111 Third Avenue Suite 1600
Seattle, WA 98101
Contact: AL THATCHER

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # A424-4720-AD37

PO # 60620698

Project RFJ Auto - Site #3

Maps Provided:

1964
1945
1927

Sanborn® Library search results

Certification #: A424-4720-AD37

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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AECOM (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

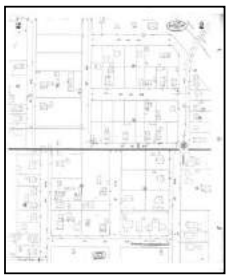
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1964 Source Sheets

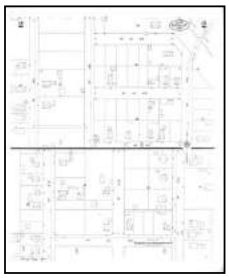
Volume 1, Sheet 2
1964

1945 Source Sheets



Volume 1, Sheet 2
1945

1927 Source Sheets



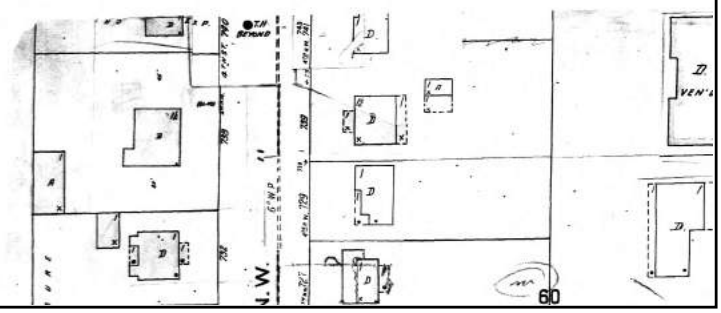
Volume 1, Sheet 2
1927

Certified Sanborn® Map

1964

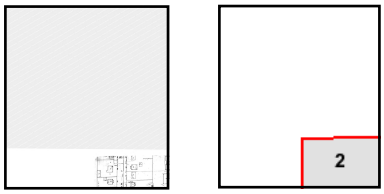
Site Name:	RFJ - Site #3
Address:	400 River Road
City, ST, ZIP:	Puyallup, WA 98371
Client:	AECOM
EDR Inquiry:	5909224.3
Order Date:	12/18/2019
Certification #	A424-4720-AD37
Copyright	1964

Certification # A424-4720-AD37



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

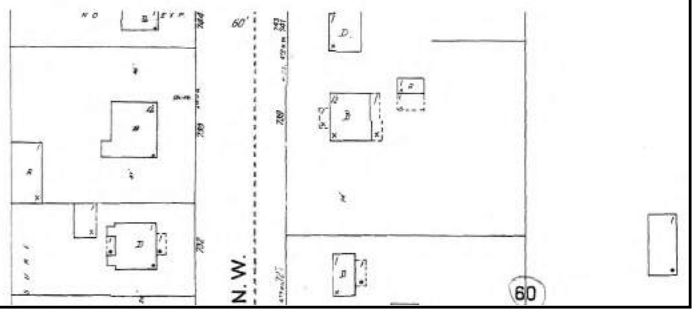


Volume 1, Sheet 2

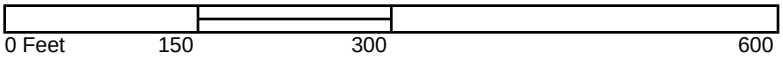
N

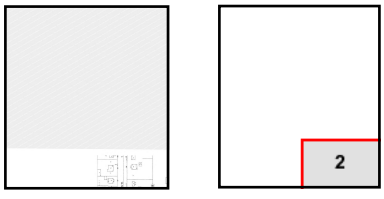
Site Name: RFJ - Site #3
Address: 400 River Road
City, ST, ZIP: Puyallup, WA 98371
Client: AECOM
EDR Inquiry: 5909224.3
Order Date: 12/18/2019
Certification #: A424-4720-AD37
Copyright 1945

Certification # A424-4720-AD37



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

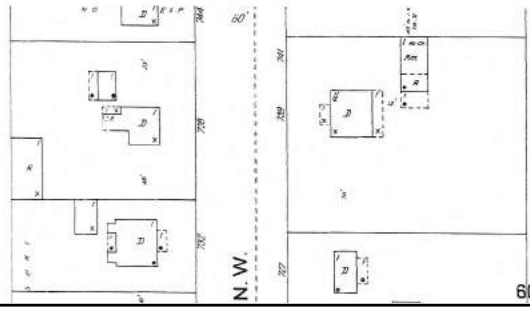




Volume 1, Sheet 2

Site Name: RFJ - Site #3
Address: 400 River Road
City, ST, ZIP: Puyallup, WA 98371
Client: AECOM
EDR Inquiry: 5909224.3
Order Date: 12/18/2019
Certification #: A424-4720-AD37
Copyright 1927

Certification # A424-4720-AD37



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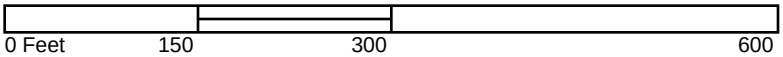
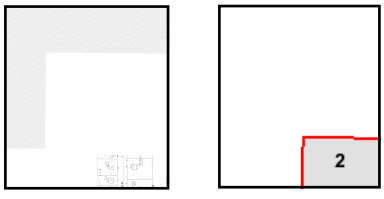
Outlined areas indicate map sheets within the collection.





Volume 1, Sheet 2

RFJ - Site #3

400 River Road

Puyallup, WA 98371

Inquiry Number: 5909224.8

December 17, 2019

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/17/19

Site Name:

RFJ - Site #3
400 River Road
Puyallup, WA 98371
EDR Inquiry # 5909224.8

Client Name:

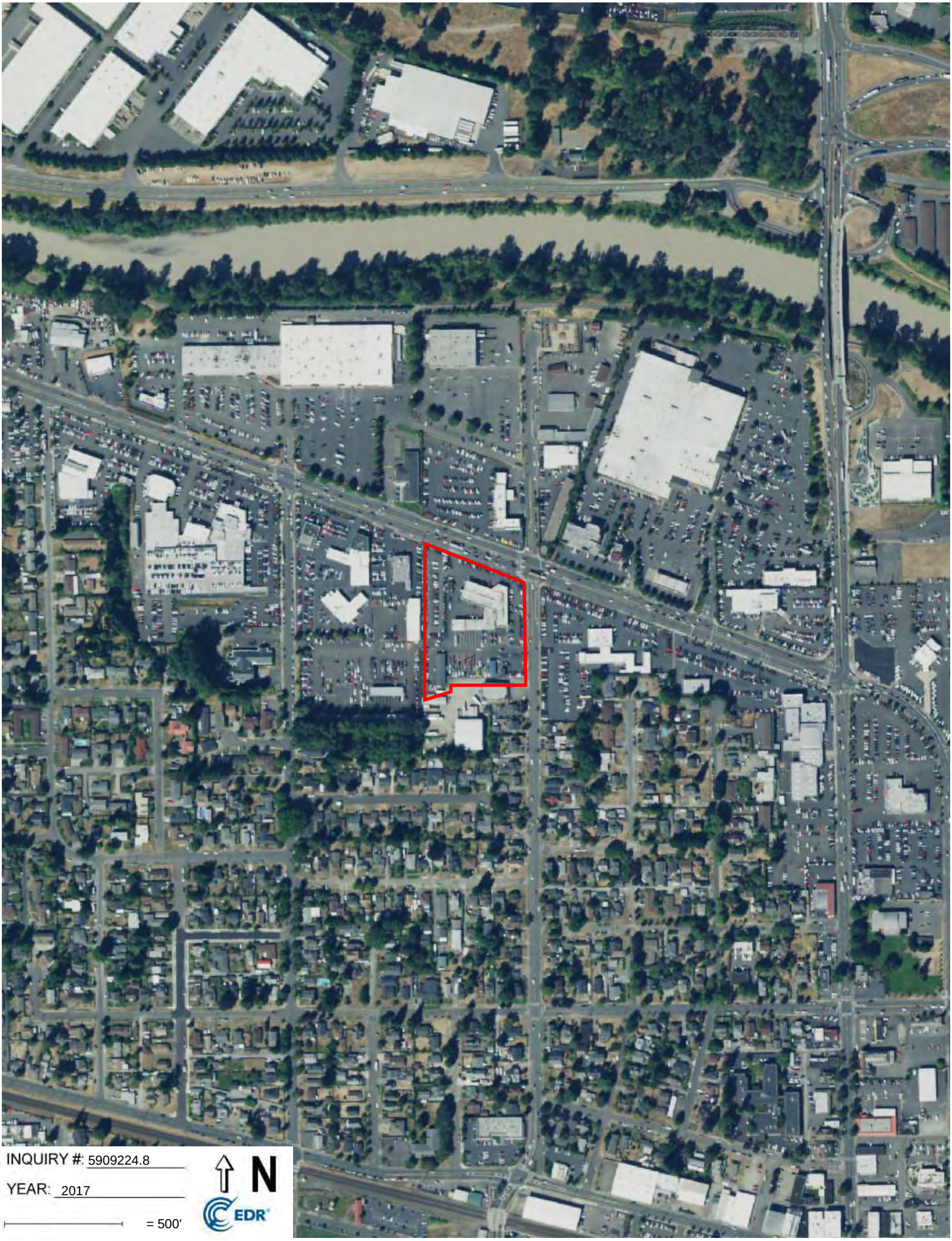
AECOM
1111 Third Avenue Suite 1600
Seattle, WA 98101
Contact: AL THATCHER

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1990	1"=500'	Acquisition Date: July 10, 1990	USGS/DOQQ
1980	1"=500'	Flight Date: July 08, 1980	USDA
1972	1"=500'	Flight Date: September 04, 1972	USGS
1968	1"=500'	Flight Date: September 02, 1968	USGS
1957	1"=500'	Flight Date: May 28, 1957	USGS
1943	1"=500'	Flight Date: March 05, 1943	DIA
1941	1"=500'	Flight Date: July 10, 1941	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 5909224.8
YEAR: 2017
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 2013
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1990
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1980
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1972
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1968
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1957
= 500'
N
EDR

RFJ - Site #3
400 River Road
Puyallup, WA 98371

Inquiry Number: 5909224.5
December 20, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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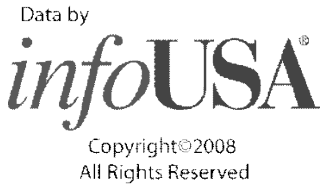


RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1989	☑	☑	Polk's City Directory
1984	☑	☑	Polk's City Directory
1979	☑	☑	Polk's City Directory
1974	☑	☑	Polk's City Directory
1969	☑	☑	Polk's City Directory
1964	☑	☑	Polk's City Directory
1959	☑	☑	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

400 River Road
Puyallup, WA 98371

Year	CD Image	Source
RIVER RD		
2014	pg A2	EDR Digital Archive
2010	pg A4	EDR Digital Archive
2005	pg A6	EDR Digital Archive
2000	pg A8	EDR Digital Archive
1995	pg A10	EDR Digital Archive
1992	pg A12	EDR Digital Archive
1989	pg A14	Polk's City Directory
1989	pg A15	Polk's City Directory
1984	pg A17	Polk's City Directory
1984	pg A18	Polk's City Directory
1979	pg A20	Polk's City Directory
1979	pg A21	Polk's City Directory
1974	pg A23	Polk's City Directory
1974	pg A24	Polk's City Directory
1969	pg A26	Polk's City Directory
1964	pg A28	Polk's City Directory
1959	pg A30	Polk's City Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
4TH ST NW		
2014	pg. A1	EDR Digital Archive
2010	pg. A3	EDR Digital Archive
2005	pg. A5	EDR Digital Archive
2000	pg. A7	EDR Digital Archive
1995	pg. A9	EDR Digital Archive
1992	pg. A11	EDR Digital Archive
1989	pg. A13	Polk's City Directory
1984	pg. A16	Polk's City Directory
1979	pg. A19	Polk's City Directory
1974	pg. A22	Polk's City Directory
1969	pg. A25	Polk's City Directory
1964	pg. A27	Polk's City Directory
1959	pg. A29	Polk's City Directory

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2014

317	GARY A CARLINGTON CPA INC PS
	ROBERT L MAY ASSOCIATES
320	SHANNON, KIM J
402	SCHROEDER, THOMAS D
406	BOISVERT, STEVEN C
	BROWN, WILLIAM R
411	FISHER, TIMOTHY W
	GATES ETCLLC
415	KUCHNSKY, JAMES A
416	WILLIAMSON, DAVID
421	CHESLEY, DAVID J
423	ZUEIRLEIN, RENAE L
438	WAITS-SULFRIDGE, BILLY J
511	REDMOND, VAUGHAN L
514	OCCUPANT UNKNOWN,
516	HOLCOMB, LISA A
517	MARKHAM, ROSE M
520	NAMASTE YOGA CENTER & CHIROPR
	OHAVER, ALISA B
	WENDY NOFFKE DC LLC
602	FILER, ELLIS
610	DIVINA, RAYMOND D
704	BOCZAR, THOMAS
710	BUTLER, RICHARD M
714	LANDON, WILLIAM J
720	MATTHEWS, KENNETH L
721	ESSMAN, TODD C
	SHAUNA S ESSMAN
722	INCREDIBLE EDIBLES
	KAISER, SCOTT R
723	OCCUPANT UNKNOWN,
726	SILLER, RUDOLPH S
727	SINGINGLIGHTNING, SKY
729	RICE, PAULINE A
732	OCCUPANT UNKNOWN,
738	WILLIAMS, STEPHEN
739	IHLEN, MARTIN L
740	SHILEY, RICK A
741	ELLIS, KYLE O
744	OCCUPANT UNKNOWN,
	RITZY ROVER PET STYLING BTQ
820	BOUSH MOVING & STORAGE INC
1200	GOODWILL OF OLYMPICS RNIER REG
	STOREHOUSE CHURCH
1206	SEYLER, GERI E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2014

100	6050 TACOMA MALL BOULEVARD LLC
	KORUM AUTOMOTIVE GROUP INC
	KORUM FORD INC
	KORUM MOTORS INC
111	KORUM HYUNDAI
300	JMS DETAIL & AUTO ACCESSORIES
	LARSON MOTORS PREOWNED
303	STARBUCKS CORPORATION
311	ACE CASH EXPRESS INC
	CELLCO PARTNERSHIP
	JUST FOR KIDS DENTISTRY
	KEVIN H SAKAI DDS PLLC
	SMARTCUTS
	SONUS-USA INC
	TD SALON LLC
315	G & L ENTERPRISES INC
400	BULLETPROOF LLC
	NORTHWEST MOTORSPORT
401	PUYALLUP CHRYSLER INC
511	KEYBANK NATIONAL ASSOCIATION
608	MILAM OLDSMOBILE MAZDA JEEP
621	KMART CORPORATION
711	PAPA MURPHYS PIZZA
	TITUS WILL ENTERPRISES
715	LOOSE WHEEL BAR AND GRILL

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2010

312	TAPIA, MELISSA
317	DOMINION CAPITAL LLC
	EDWARD & LOIS MCLEARY CHAR FDN
	GARY A CARLINGTON CPA INC PS
	MAY & CO
	MAY & CO P S
	US ALLOY CO
320	WARD, RICKARD
401	MCCORTNEY, MICHAEL E
402	SCHROEDER, THOMAS D
405	ARMSTRONG, JEANEEN
406	BOISVERT, STEVEN C
	CROWDER, JAMES W
407	FRANCO, JR
411	DELANO, DRAKE S
416	WILLIAMSON, DAVID
421	CHESLEY, DAVID J
438	WAITS-SULFRIDGE, BILLY J
511	REDMOND, SHARYN M
514	BARR, DAVID
516	OCCUPANT UNKNOWN,
517	MARKHAM, ROSE M
520	NAMASTE YOGA CENTER & CHIROPR
	NOFFKE, WENDY J
	WENDY NOFFKE DC LLC
602	ELLIS, JANET F
610	DIVINA, RAYMOND D
702	APODACA, RICARDO
710	OCCUPANT UNKNOWN,
712	CZARNECKI, ROBERT
714	LANDON, WILLIAM J
721	ESSMAN, TODD C
722	WENGER, CATHY M
723	ASBJORNSEN, TERRY R
726	SILLER, RUDOLPH S
727	WILLIAMS, CRAIG E
729	RICE, PAULINE A
732	OCCUPANT UNKNOWN,
738	WILLIAMS, MARK M
739	IHLEN, MARTIN L
740	DOITOL LLC
	HENRY, NEIL W
741	MATHIESON, MARK W
744	OCCUPANT UNKNOWN,
	RITZY ROVER PET STYLING BTQ
820	BOUSH MOVING & STORAGE INC
1200	TACOMA GOODWILL INDUSTRIES
1216	GLADDING, GEORGE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2010

100	KORUM AUTOMOTIVE GROUP INC
	KORUM FORD INC
	KORUM MOTORS INC
300	K & D AUTO WERKS
303	STARBUCKS CORPORATION
311	BEN CONNER INSURANCE AGENCY
	LUTZ LAW
	SMARTCUTS
315	G & L ENTERPRISES INC
400	BULLETPROOF LLC
401	MOCERI LEASING INC
	PUYALLUP CHRYSLER INC
500	LARSON DODGE
	PUYALLUP POWER SPORTS
511	KEYBANK NATIONAL ASSOCIATION
514	JMS DETAIL & AUTO ACCESSORIES
608	MILAM OLDSMOBILE MAZDA JEEP
621	KMART CORPORATION
	MELDISCO K-M PUYALLUP WASH INC
	OLAN MILLS INC
707	BARGAIN STORES INC
709	BOONTHAM TALBOT
	FAME NUMBER 1 HAIR STUDIO SPA
711	PAPA MURPHYS PIZZA
	TITUS WILL ENTERPRISES
715	ARNALDI ENTERPRISES LLC
	JENNIFER HALL
	OHENRY SPORTS BAR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2005

317	ARIES ENTERTAINMENT SYSTEMS LT
	CARLINGTON GARY A CPA INC PS
	NORTHWEST CONVERSIONS INC
320	KNESAL, TREVOR A
402	MISKAR, SANDY J
406	BOISVERT, STEVEN C
	HUBER, JAMIE
411	VERMEERSCH, DAVID A
511	REDMOND, SHARYN M
514	BRADFORD, STEVEN G
516	CURRAH, MARK E
517	MARKHAM, JACK A
520	NAMASTE YOGA CENTER & CHIROPR
	NOFFKE, WENDY
	WENDY NOFFKE DC LLC
602	HAUCK, JEREMY D
	IMAGEBASICS
610	DIVINA, LACI R
702	APODACA, RICARDO
710	ZWANG, TERI L
714	PLUMMER, HAROLD N
720	MATTHEWS, KENNETH L
721	ESSMAN, TODD C
722	WENGER, CATHY M
723	OCCUPANT UNKNOWN,
725	CGRAGGEN, CHRIS
	GORSKI, A
	HARRISON, MARIE
	PORTER, DANIELLE
726	SILLER, RUDOLPH S
727	OCCUPANT UNKNOWN,
729	RICE, PAULINE A
732	ONEILL, AARON K
738	WILLIAMS, MARK M
740	HENRY, NEIL W
741	MATHIESON, MARK W
744	BRIDGES, DONOVAN
820	BOUSH MOVING & STORAGE INC
1200	SOUND PROPERTIES

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2005

100	KORUM FORD INC
	KORUM MOTORS INC
208	RADIOSHACK CORPORATION
300	LARSON MOTORS INC
315	ALLSTATE INSURANCE COMPANY
	DETURK PHILIP H
	ENTERPRISE RENT-A-CAR COMPANY
	G & L ENTERPRISES INC
400	BULLETPROOF LLC
	FRIENDLY CHEVROLET INC
	GREG CARTERS PUYALLUP CHEVRO
	KEN PARKS CHEVROLET INC
401	UNIVERSAL AUTO GROUP INC
500	KORUM FORD INC
	TURNBULL MIKE
511	KEYBANK NATIONAL ASSOCIATION
608	MILAM OLDSMOBILE MAZDA JEEP
621	KMART CORPORATION
	MELDISCO K-M PUYALLUP WASH INC
	OLAN MILLS INC
707	BARGAIN STORES INC
709	ACTIVE HAIR
711	PAPA MURPHYS PIZZA
715	AMUSEMENT ENTERPRISES INC
	OHENRY SPORTS BAR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2000

317	CARLINGTON GARY A CPA INC PS
	GUSTAFSON GREG INSURANCE INC
320	OCCUPANT UNKNOWN,
400	OCCUPANT UNKNOWN,
402	BOURNE, GEORGE C
406	BROWN, W R
411	MCKUNE, KRISTIN
430	OCCUPANT UNKNOWN,
511	OCCUPANT UNKNOWN,
514	FOSTER, CLINT
516	MERCILL, MITCH
517	MARKHAM, JACK A
520	BRADFORD, STEVEN G
602	VANKIRK, J
604	OCCUPANT UNKNOWN,
702	MOGAVERO, ANNA L
710	WHEELER, BRETT
714	PLUMMER, H N
720	MATTHEWS, KEN L
721	ESSMAN, TODD
722	KAISER, SCOTT R
	WENGER, CATHY M
723	DUMOULIN, J
725	CGRAGGEN, CHRIS
	HARRISON, M
726	SILLER, RUDOLPH
729	RICE, EARL D
732	KENT, RON
740	MAXEY, SHAWN
741	OCCUPANT UNKNOWN,
744	ABC RELOCATION
	FUESTON, ADAM
820	BOUSH MOVING & STORAGE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2000

100	KORUM FORD INC
103	DAVCO ENTERPRISES INC
125	A & R MOTORS INC
208	RADIOSHACK CORPORATION
300	LARSON MOTORS INC
	LARSON ROBERT CHRYSLER
315	ALLSTATE INSURANCE COMPANY
	DETURK PHILIP H
	ENTERPRISE RENT-A-CAR COMPANY
	G & L ENTERPRISES INC
	SOURCE FINANCIAL
	WEIGHT LOSS PLUS COST MEDCL WE
400	BULLETPROOF LLC
	PUYALLUP CHEVROLET-GEO-SUBARU
401	PUYALLUP COLLISION CENTER INC
	UNIVERSAL AUTO GROUP INC
500	KORUM FORD INC
	KORUM MOTORS INC
511	KEYBANK NATIONAL ASSOCIATION
608	MILAM OLDSMOBILE INC
621	KMART CORPORATION
	OLAN MILLS INC
707	BARGAIN STORES INC
715	VANS AMUSEMENT CENTER INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 1995

317	CARLINGTON GARY A CPA INC PS
	GUSTAFSON, GREG A
400	GHATTAS, NAGUIB
402	BOURNE, GEORGE C
406	BAKER, JAMES S
411	OCCUPANT UNKNOWNN
421	OCCUPANT UNKNOWNN
427	FREED, ART
514	OCCUPANT UNKNOWNN
520	BRADFORD, STEVEN G
702	OCCUPANT UNKNOWNN
703	GOODWIN, ALAN M
710	WHEELER, BRETT
714	PLUMMER, H N
721	MCFARLAND, ERIN
722	KAISER, SCOTT R
	WENGER, CATHY M
723	DUMOULIN, J
726	NELSON, JOSEPH C
727	YOUNG, RHONDA
729	RICE, EARL D
732	OCCUPANT UNKNOWNN
738	OHONDT, DAVE
739	OCCUPANT UNKNOWNN
740	MAXEY, SHAWN
741	MATHIESON, MARK W
820	BOUSH MOVING & STORAGE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 1995

100	KORUM FORD INC
103	DAVCO ENTERPRISES INC
	PYRAMID TIRE OF PUYALLUP INC
111	R J B RESTAURANTS INC
208	TANDY CORPORATION DEL
300	LARSON MOTORS INC
315	ALLSTATE INSURANCE COMPANY
	ALOHA CHIROPRACTIC CENTER
	AMERICAN GENERAL FINANCE
400	KEN PARKS PUYALLUP SUBARU INC
	PUYALLUP CHEVROLET GEO SUBARU
401	MOCERI LEASING INC
	PUYALLUP CHRYSLER-PLYMOUTH
	SNAPPY CAR RENTAL INC
500	KORUM FORD INC
608	MILAM OLDSMBILE JEEP EGLE MZDA
	MILAM OLDSMOBILE INC
621	KMART CORPORATION
707	PICWAY SHOES
709	GRAVERSEN MARKETING CO
711	HI HO MUSIC CENTER
715	BJ 1 HOUR PHOTO
	VANS AMUSEMENT CENTER INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 1992

317	CARLINGTON GISMERVIG & CO P S
	GUSTAFSON, GREG A
	KNIGHT, GREGORY
402	URLOCKER, ARNOLD L
406	SJOSTROM, TIMOTHY
411	VANBAALE, MARVIN
520	WREN, STEVEN G
710	WHEELER, BRETT
714	PLUMMER, H N
721	AKERS, HOWARD
723	DUMOULIN, J
725	KETNER, STEVE
726	NELSON, JOSEPH C
727	NICKERT, JAMIE
729	RICE, EARL D
732	BLUMENTHAL, DANIEL L
741	MATHIESON, MARK A
744	HORTON, PAT
820	BOUSH MOVING & STORAGE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 1992

100	KORUM FORD INC
103	PYRAMID TIRE OF BURIEN INC
111	R J B RESTAURANTS INC
208	TANDY CORPORATION DEL
300	LARSON MOTORS INC
315	ALLSTATE INSURANCE COMPANY
	DOTTERS COUNSELING SERVICE
400	PARKS KEN CHEVROLET INC
401	MOCERI LEASING INC
	PUYALLUP CHRYSLER-PLYMOUTH
511	PUGET SOUND NATIONAL BANK
514	PUYALLUP MOTOR CO INC
608	MILAM OLDSMOBILE INC
621	KMART CORPORATION
715	ARCADE

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1989

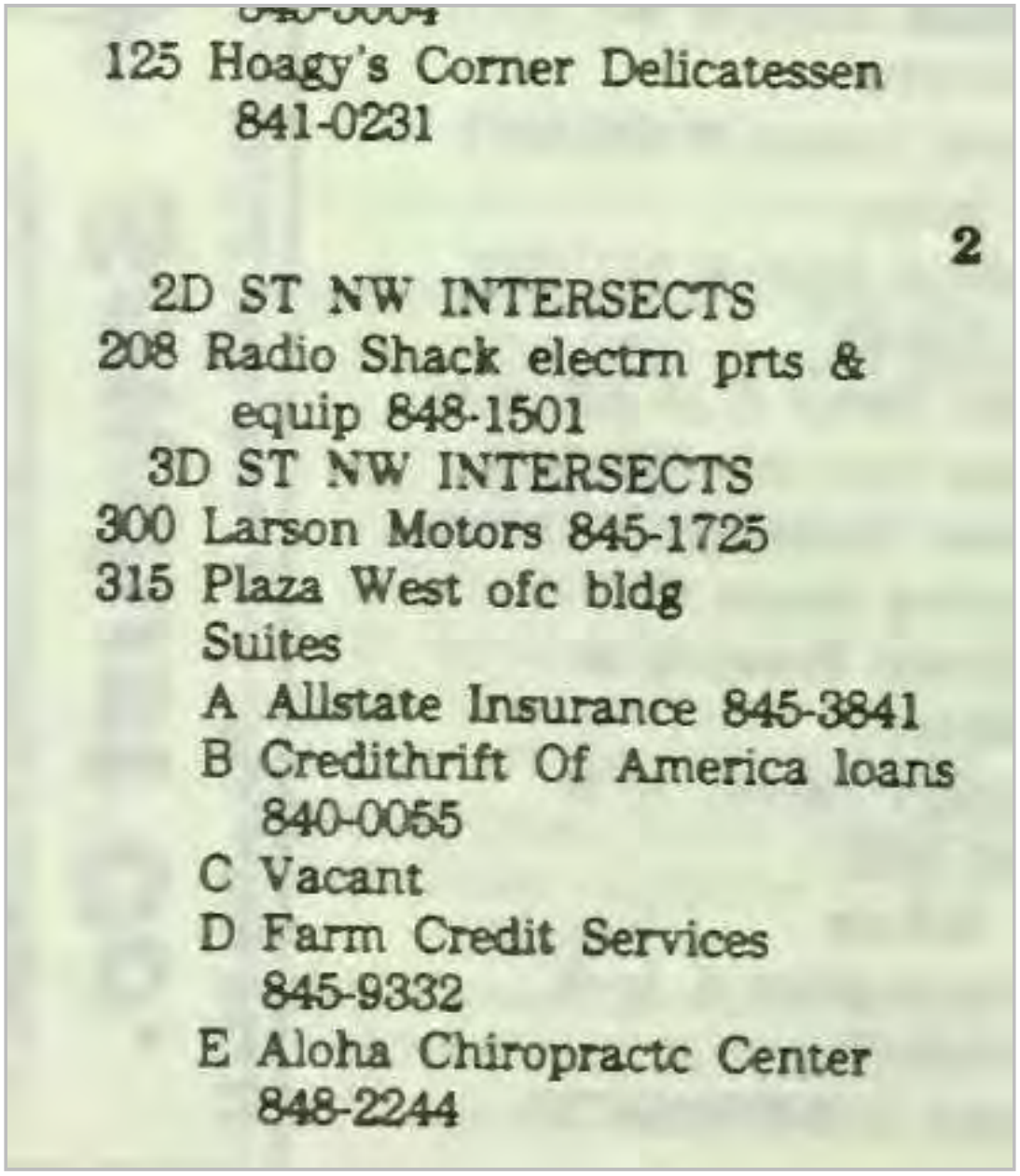
740 No Return
741 O'Kelly Eugenie I ◎
744 Horton Pat J ◎ 845-4908
820 Boush Moving & Storage Inc 845-8829

RIVER RD INTERSECTS

1200 Puyallup Cinema theatre 848-6999
1201 Puyallup City Animal Shelter 845-6622
Puyallup City Public Works Dept 841-5508
Puyallup City Weed Control 841-5508
Puyallup City Street Dept 841-5508
Puyallup City Public Works Dept (Tool Rm) 848-5508
Puyallup City Public Works Dept (Purch & Rec) 848-5508
Puyallup City Public Works Dept (Mtr Pool) 848-5508
Puyallup City Public Works Dept (Sign Shop) 848-5508
Puyallup City Public Works Dept (Refueling Sta) 848-5508

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1989



840-3004
125 Hoagy's Corner Delicatessen
841-0231

2

2D ST NW INTERSECTS
208 Radio Shack electrn prts & equip 848-1501
3D ST NW INTERSECTS
300 Larson Motors 845-1725
315 Plaza West ofc bldg
Suites
A Allstate Insurance 845-3841
B Credithrift Of America loans 840-0055
C Vacant
D Farm Credit Services 845-9332
E Aloha Chiropractc Center 848-2244

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1989

4TH ST NW INTERSECTS

400 Parks Ken Chevrolet-Subaru Inc 845-9566

401 Moceri Leasing Inc car rental 845-7100

Puyallup Chrysler-Plymouth Inc auto dlrs 848-4511

500 Korum R V Center dealership 845-6600

511 Puget Sound National Bank 593-3970

Puget Sound National Bank (Consumer Credit Dept) 593-3550

608 Milam Oldsmobile Jeep-Eagle & Mazda Inc auto dlrs 845-1766

621 K-Mart dept store 848-8751

7TH ST NW INTERSECTS

707 Picway Shoes shoes ret 840-1721

711 Vacant

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1984

738★Silverwood Larry C ◎
848-7016
739 Flink Kenneth L ◎
740 Vacant
741 Vacant
744 Urwin Dale N ◎ 845-7867
820 Boush Moving & Storage Inc
845-8829
905 Quick Way Self Service Car
Wash
906 P M P Security Service
845-8665
RIVER RD INTERSECTS
1022 Puyallup Animal Shelter
845-6622
1201 City Public Works Dept
4200 Puyallup Cinema 848-6999

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1984

900

RIVER RD —FROM 900
MERIDIAN ST N
NORTHWESTERLY

ZIP CODE 98371

103 Pyramid Tire Co sls & serv
848-3538

111 Puyallup Dairy Queen
845-5064

125 Knutson Harold ◎ 841-4630

208 Radio Shack electrn prts &
equip 848-1501

2D ST NW INTERSECTS

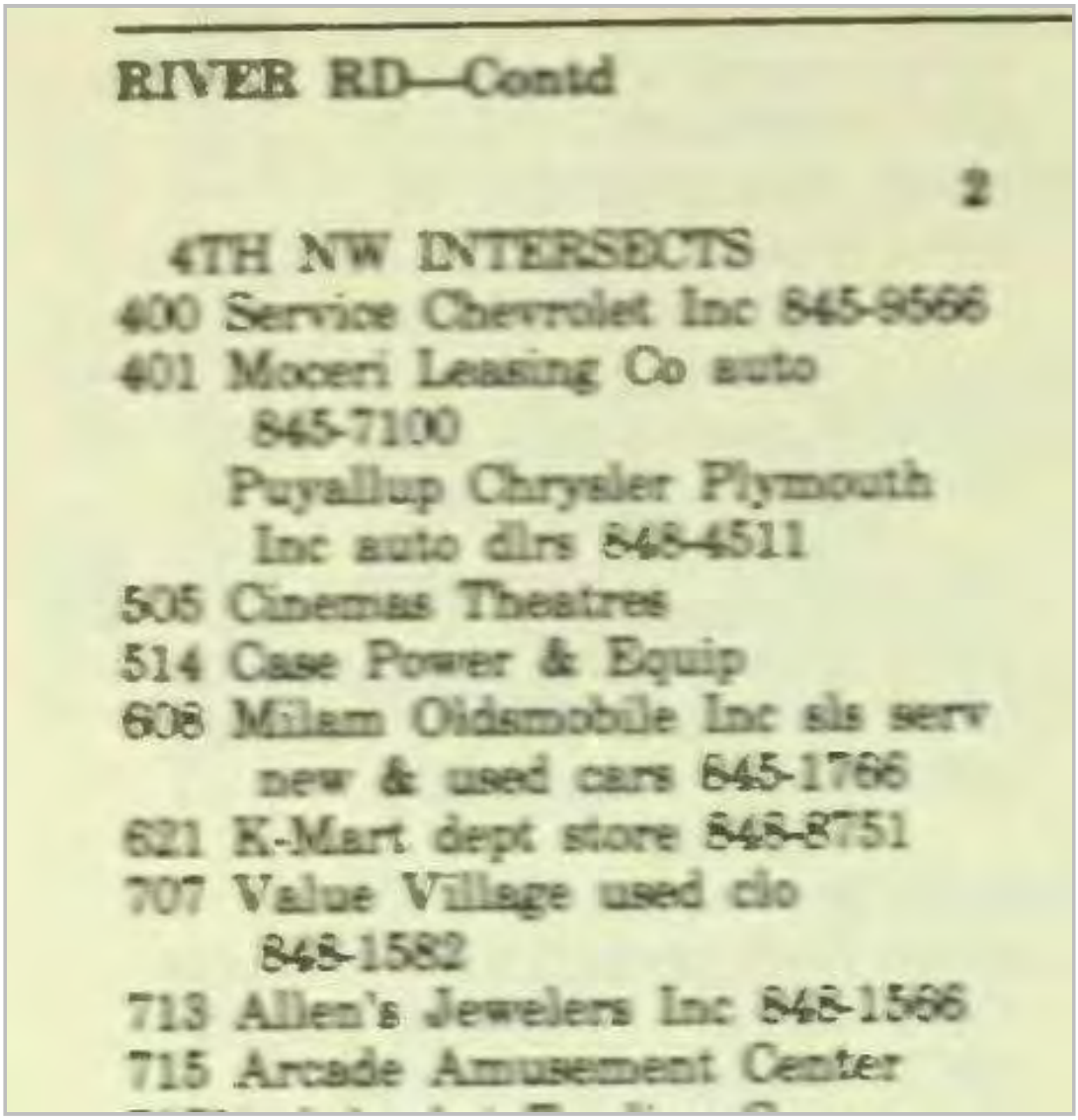
300 Larson Motors 845-1725

315 Puget Sound National Bank
593-3970

Puget Sound National Bank
(consumer credit div)
593-3550

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1984



RIVER RD—Contd

2

4TH NW INTERSECTS
400 Service Chevrolet Inc 845-9566
401 Moceri Leasing Co auto
845-7100
Puyallup Chrysler Plymouth
Inc auto dlrs 848-4511
505 Cinemas Theatres
514 Case Power & Equip
608 Milam Oldsmobile Inc sls serv
new & used cars 845-1766
621 K-Mart dept store 848-8751
707 Value Village used clo
848-1582
713 Allen's Jewelers Inc 848-1566
715 Arcade Amusement Center

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1979

721 Akers Howard J © 845-8265
722★Burdick Barbara © 848-1957
723★Harrison Thom B
725 Harrison Alene M 845-5890
725½ ★Schurebert Kusins
726 Nelson Joseph C © 845-4956
727★Liberty Terry J © 848-3627
729 Rice Earl © 863-1567
732 Maass Inez A Mrs ©
845-1963
738★Hill James V 848-0010
739 Flink Kenneth L ©
740★Umber Walter A
741 O'Kelly Eugenie Mrs ©
845-1820
744 Urwin Dale N 845-7867
820 Boush Moving & Storage Inc
845-8829
905 Quick Way Self Service Car
Wash
906 Service Chev (Stge Bldg)
RIVER RD INTERSECTS
1022 Puyallup Animal Shelter

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1979

900

RIVER RD —FROM 900
MERIDIAN ST N
NORTHWESTERLY

ZIP CODE 98371

103 Pyramid Tire Co sls & serv
848-3538

111 Gary's Dairy Queen 845-5064

125 No Return

208 Radio Shack electrn prts &
equip 848-1501

2D ST NW INTERSECTS

300 Larson Motors Inc 845-1725

315 Puget Sound National Bank
593-3970

Puget Sound Natl Bk
(consumer credit div)
593-3550

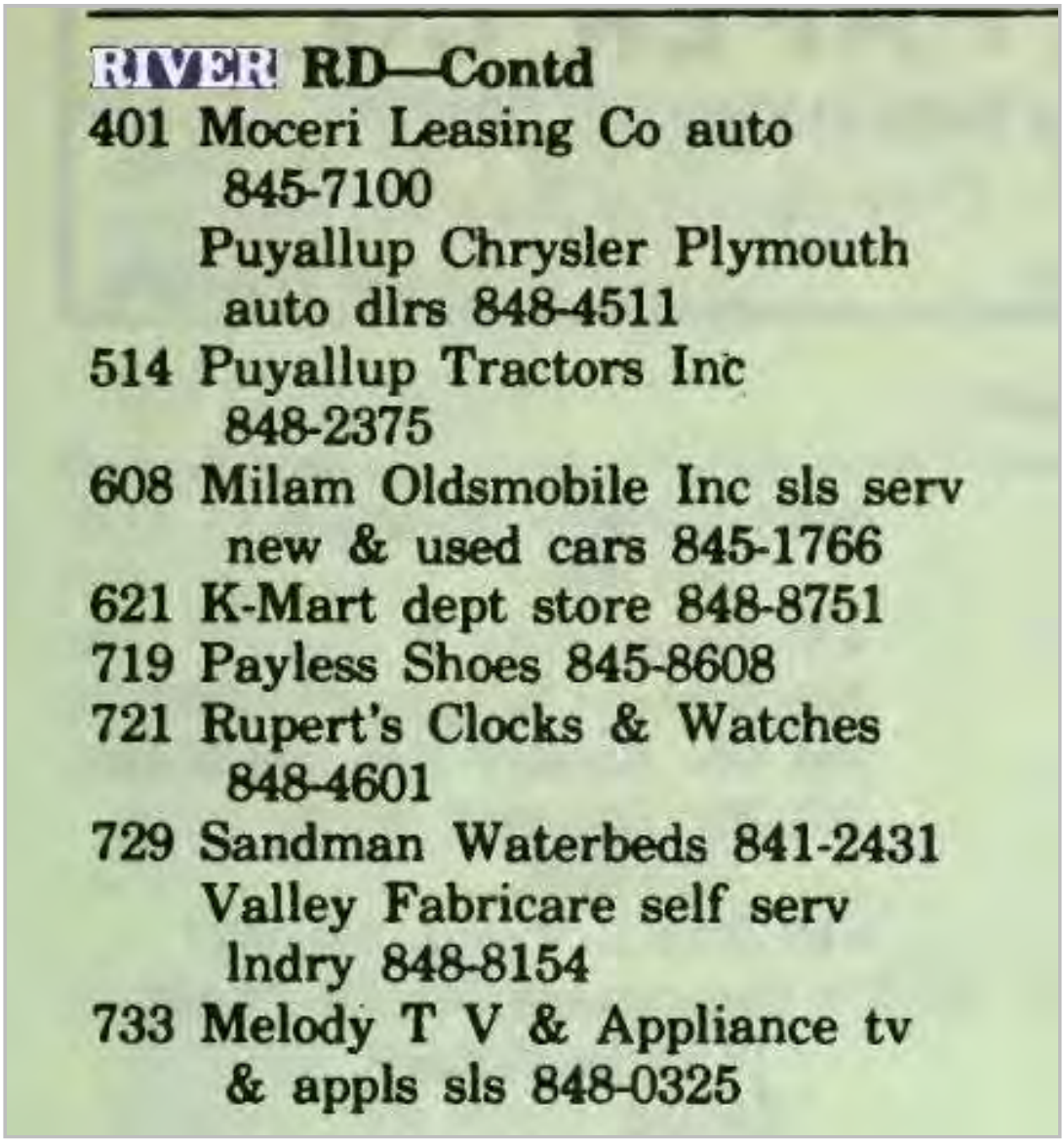
2

4TH NW INTERSECTS

400 Service Chevrolet Inc 845-9566

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1979



RIVER RD—Contd

401 Moceri Leasing Co auto
845-7100
Puyallup Chrysler Plymouth
auto dlrs 848-4511
514 Puyallup Tractors Inc
848-2375
608 Milam Oldsmobile Inc sls serv
new & used cars 845-1766
621 K-Mart dept store 848-8751
719 Payless Shoes 845-8608
721 Rupert's Clocks & Watches
848-4601
729 Sandman Waterbeds 841-2431
Valley Fabricare self serv
lndry 848-8154
733 Melody T V & Appliance tv
& appls sls 848-0325

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1974

7TH AV NW INTERSECTS

702 ★ Repp Mark S TH5-4777
710 ★ Metcalf Charles L ◎
714 Plummer Nora D Mrs ◎
TH5-1321
720 Clement Frank J ◎ TH5-6741
721 Akers Howard J ◎ TH5-8263
722 Ferro Leonard ◎ 848-1957
723 ★ Davenport Ronald
725 ★ Harrison Alene M 845-5890
725½ ★ Leeker Debra J
726 Nelson Joseph C ◎ TH5-4956
727 Johnson Arth J ◎
729 Covert Gordon L ◎ TH5-9135
732 Maass Inez A Mrs ◎
TH5-1963
738 Boush Johanna M Mrs ◎
TH5-5465
739 Flink Kenneth L ◎
740 Kuehn Karl ◎ TH5-1245
741 O'Kelly Eugenie Mrs ◎
TH5-1820
743 Sorenson Gordon G 845-9369
744 Urwin Dale N TH5-7867
820 Boush Moving & Storage Inc
TH5-8829
905 Quick Way Self Service Car
Wash

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1974

900

RIVER RD —FROM 900
MERIDIAN ST N
NORTHWESTERLY

ZIP CODE 98371

103 Goodrich B F Co 848-3538
111 Gary's Dairy Queen TH5-5064
125 Salzsieder Gary A ◎
TH5-5578
208 Radio Shack electronics parts
848-1501

2D ST NW INTERSECTS

300 Larson Motors Inc TH5-1725
315 Puget Sound National Bank
593-3972
324 Vacant

2

4TH NW INTERSECTS

400 Service Chevrolet Inc 845-9566

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1974

401 Puyallup Chrysler Plymouth
auto dlrs 848-4511
5TH NW INTERSECTS
506 Vacant
514 Puyallup Tractors Inc
848-2375
608 Milam Oldsmobile Inc sls serv
new & used cars TH5-1766

4

7TH ST NW INTERSECTS
823 Herb's Towing TH5-6750
825 Independent Auto Repair
Herb's Trucks TH5-1412
826 Andy The Welder 848-9957
No Return
Steve's Used Cars TH5-9957

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1969

720 Clement Frank J ◎
TH5-6741
721 Akers Howard J ◎
TH5-8263
722 Cobb Darrell E ◎ TH5-2178
723 Hardie Merle
725 No Return
725½ Vacant
726 Nelson Joseph C ◎
TH5-4956
727 Johnson Arth J ◎ TH5-6435
729 Covert Gordon L ◎
TH5-9135
732 Maass Inez A Mrs ◎
TH5-1963
738 Boush Johanna M Mrs ◎
TH5-5465
739 Scheyer Robt J ◎ TH5-6491
740 Turnbow Barney B
TH5-4548
741 O'Kelley Eugenie Mrs ◎
TH5-1820
743 Sorenson Gordon G
TH5-9369
744 Urwin Dale N TH5-7867
820 Boush Moving & Storage Inc
TH5-8829
905 Quick Way Self Service Car
Wash
906 Grant's Insurance Agency
Inc TH5-8856

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1969

208 Radio Shack electronics parts 848-1501

2D ST NW INTERSECTS

300 Larson Rambler Inc TH5-1725

324 River Road Gulf Station TH5-9865

2

4TH NW INTERSECTS

400 Grant's Chevrolet Inc TH5-9566

401 Puyallup Chrysler Plymouth auto dlrs TH5-8853

5TH NW INTERSECTS

506 U S Agrl Stabilization & Conservation TH5-2255

U S Soil Conservation Serv TH5-5533

State Dept Of Natural Resources TH5-9464

514 Puyallup Tractors Inc TH5-9575

608 Grant-Milam Oldsmobile Inc sls serv new &used cars TH5-1766

4

7TH ST NW INTERSECTS

825 Herb's Towing auto TH5-6750

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1964

520 Custerd Alvina @ TH5-2256
6th av NW intersects
602 Simpson Earl S @ TH5-2378
610 Ammerman Alva C @ TH5-2995
702 Brown Lucy C Mrs @
TH5-4169
710 Nish Joe Y @
714 Plummer Nora D Mrs @
TH5-1321
720 Clement Frank J @ TH5-6741
721 Akers Howard J @ TH5-8263
722 Cobb Darrell E @ TH5-2178
723 Vacant
725 Perry Richd M TH5-2821
726 Nelson Jos C @ TH5-4956
727 Johnson Arth J @ TH5-6435
729 Covert Gordon L @ TH5-9135
732 Maass Inez A Mrs @
TH5-1963
738 Boush Robt F @ TH5-5465
739 Scheyer Robt J @ TH5-6491
740 Fletcher Robt C TH5-2792
741 O'Kelly Eugenie Mrs @
TH5-1820
743 Westover Jos
744 Parker Marvin E TH5-5881
745 Kenna Winifred @ TH5-2042

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1964

2

RIVER ROAD — From 900 Meridian N northwesterly

103 Bob & Ray's Serv gas sta
TH5-9982

111 Gary's Dairy Queen
TH5-5064

124 Elburg Vincent @ TH5-6740

125 Salzie Gary A @ TH5-5578

2d NW intersects

315 First Union National Bank
TH5-6606

4th NW intersects

400 Grant's Chevrolet Inc
TH5-9566

5th NW intersects

506 US Dept of Agrl-Agrl Stabilization and Conservation
TH5-2255

US Dept of Agrl-Farmers Home Admn TH5-5262

US Dept of Agrl-Soil Conservation Serv TH5-5533

US Dept of Natural Resources
TH5-9464

608 Grant-Milam Oldsmobile Inc
used cars TH5-1766

4

7th NW intersects

825 Herb's Used Cars TH5-6750

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1959

610 Ammerman Al C ⓞ
TH5-2995
702 Brown Lucy C Mrs ⓞ
TH5-4169
710 Nish Joe Y ⓞ TH5-6216
714 Plummer Nora D Mrs ⓞ
TH5-1321
720 Clement Frank J ⓞ
TH5-6741
721 Akers Howard J ⓞ TH5-8263
722 Vacant
723 Bailey Geo
723½ Vacnant
725 Jane's Guest House lodgings
TH5-6361
Esget Danl W ⓞ TH5-6361
726 Nelson Jos C ⓞ
727 Johnson Arth J ⓞ
TH5-6435
729 Covert Gordon L TH5-9135
732 Maass Reinhart A ⓞ
TH5-1963
738 Boush Robt F ⓞ TH5-5465
739 Scheyer Robt J ⓞ TH5-6491
740 Coty Jerry M TH5-9209
741 Grant Howard I ⓞ
TH5-2786
743 Miller Gary L ⓞ TH5-4128
744 Parker Marvin E
745 Kenna Winifred ⓞ
TH5-2042

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1959

2

RIVER ROAD—From 900 Meridian N northwesterly

103 B & K Serv gas sta
🔔 TH5-6777
B & K Oil Serv fuel
🔔 TH5-6777

111 Gary's Dairy Queen
🔔 TH5-5064

124 Dorsey Claire ⓞ 🔔 TH5-6915

125 Bischoff Fred B ⓞ
🔔 TH5-2437

2d NW intersects
4th NW intersects

400 Grant's Chevrolet Inc
🔔 TH5-6693

5th NW intersects

515 Vacant

4

7th NW intersects

825 Herb's Used Cars 🔔 TH5-1609

827 Montana Cabins
Emmel Peter R ⓞ 🔔 TH5-6458

9th NW intersects

920-23 Ted's Used Cars
🔔 TH5-1609

1017 Ted's Car Barn used cars
🔔 TH5-1609

APPENDIX B

PREVIOUS ENVIRONMENTAL REPORT AND OTHER DOCUMENTS SELECTED PORTIONS

ROBINSON
NOBLE

HILT INVESTMENT HOLDINGS, LLC
400 RIVER ROAD
PUYALLUP, WASHINGTON

PHASE I ENVIRONMENTAL SITE ASSESSMENT

SEPTEMBER 13, 2016

by

Kari A. Thomas
Project Geologist

John F. Hildenbrand
Principal Environmental Scientist
Environmental Services Manager

2105 South C Street
Tacoma, Washington 98402
P: 253.475.7711 | F: 253.472.5846

www.robinson-noble.com

17625 130th Avenue NE, Suite 102
Woodinville, Washington 98072
P: 425.488.0599 | F: 425.488.2330

Phase I Environmental Site Assessment

400 River Road
Puyallup, Washington

September 13, 2016

Prepared for:

HILT Investment Holdings, LLC
819 River Road
Puyallup, WA 98371

Attention: Don Fleming

Prepared by:

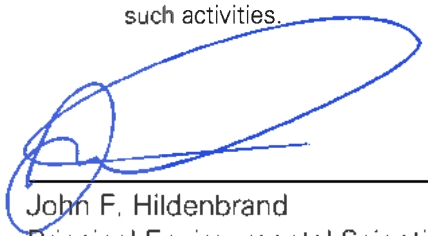
Robinson Noble, Inc.
2105 South C Street
Tacoma, WA 98402
(253) 475-7711

DECLARATIONS

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional* as defined in "312.21 of 40 CFR part 312."

"I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I performed and/or developed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR part 312."

*A person who does not qualify as an Environmental Professional may assist in the conduct of all appropriate inquiries in accordance with ASTM E1527-13 if such person is under the supervision or responsible charge of a person meeting the definition of an environmental professional when conducting such activities.



John F. Hildenbrand
Principal Environmental Scientist
Environmental Services Manager

APPENDICES – (Appendices B thru E on attached CD)

Executive Summary

Robinson Noble, Inc. has prepared a Phase I Environmental Site Assessment of tax parcels 0420214807, 0420214808, 0420214014, and 0420214057 located in Pierce County, Washington. The address assigned to the property is 400 River Road, Puyallup, Washington.

This Phase I Environmental Site Assessment (ESA) was prepared in general accordance with ASTM Standard E1527-13. It was prepared using generally accepted professional practices, and observations and findings generated for this project are based on information limited to "reasonably ascertainable sources." This ESA is not intended to be an exhaustive search for all possible environmental issues. It was designed to utilize reasonably ascertainable information in order to determine whether recognized environmental conditions (as defined by ASTM) warranting additional investigation are present. The Phase I ESA is intended as a step to qualify the report's user for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. The scope of services for the ESA included reviewing the physical setting of the property, reviewing government databases for potential environmental risks to the property, conducting historical research concerning the property, and conducting interviews with people knowledgeable about the property. The work was completed by, or under the direction, of an environmental professional as defined in ASTM E1527-13.

The current land use of the subject property is commercial. The property is currently occupied by Northwest Motorsport, a car dealership. Neighboring and adjoining parcels include public roads, car dealerships with repair and maintenance shops, and a moving and storage business. We inspected the subject and found no recognized environmental conditions on the property. No recognized environmental conditions were found on adjoining properties during the inspection.

Aerial photographs and topographic maps indicate the subject property was developed with agricultural land and a small building, likely an outbuilding, prior to 1941. Following that time, previous reports suggest the subject was developed as a car dealership by 1953.

A database search was conducted to identify known sites within a radius of up to one mile from the subject property that may have the potential to impact the subject with contamination. The subject property is listed on the Underground Storage Tank (UST), ALLSITES, Resource Conservation and Recovery Act (RCRA) Non-generator (Nongen)/No Longer Regulated (NLR), Finds, and Enforcement and Compliance History Online (ECHO) databases. One listed site off the subject property was further investigated to determine the level of concern to the subject. This site, Boush Moving and Storage, does appear to impact the subject property and is described in more detail below.

Robinson Noble performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this document. This assessment has not revealed evidence of recogonized environmental conditions except for:

The potential for soil and groundwater contamination on the subject from an underground storage tank on the neighboring property, Boush Moving and Storage, represents a recognized environmental condition. Boush Moving and Storage, located at 820 4th Street Northwest, adjoins the subject property to the south. The property contains a combination gas and diesel underground storage tank that is abandoned on the property. Records show that the tank has been emptied. Details of the underground-storage tank are discussed in Section 4.1. Since the

underground-storage tank is upgradient of the subject, it is possible for contamination, if it exists, to have migrated to the subject. The previous borings were not in an optimal position to identify contamination from the adjoining property to the south. However, the contamination, if it exists, is likely not extensive since contamination associated with the off-site tank was not identified in soil borings that were advanced on the subject property during previous environmental investigations.

As described in Section 2.0, we were unable to review the complete history of environmental investigations conducted on the property. We recommend obtaining the previous reports, if possible, for further review to determine if previous investigations are sufficient to resolve the recognized environmental condition identified above and the significant data gaps. If not, we recommend a subsurface investigation be conducted near the southern boundary of the subject property to identify if soil or groundwater contamination potentially associated with the adjoining property is present on the subject site.

1.0 Introduction

1.1 Scope of Services and Purpose of Report

This Phase I Environmental Site Assessment (ESA) was prepared in general accordance with ASTM Standard E1527-13 and the professional services agreement (PSA) between Robinson Noble and HILT Investment Holdings, LLC executed on August 10, 2016. The PSA and a detailed scope of services are attached as Appendix E of this report. The noted scope of services was developed based on standard industry practices and ASTM Standard E1527-13. Unless an item is specifically addressed in the noted scope of services and discussed herein, it should be assumed that it was not included in the scope of work for this project. This Phase I ESA was prepared for the subject site located at 400 River Road, Puyallup, Washington.

1.2 Conditions and Limitations

This project was generally completed within the standard scope defined by ASTM. The contractual agreement between the client and Robinson Noble did not contain any special conditions or limitations. As outlined in ASTM E1527-13, the observations and findings generated for this project were based on information limited to "reasonably ascertainable sources."

This report was prepared using generally accepted professional practices. The nature of the ESA process requires that information generated, managed, and/or controlled by third parties is utilized. We believe that the sources utilized are accurate; however, we cannot guarantee that the third-party information is free of error. While we warrant that the opinions and conclusions drawn from information gathered during this study are based on sound professional judgment, we reserve the right to modify any opinion, conclusion, and/or recommendation in the event new, revised or different information becomes available. Unless specifically stated herein, no other warranty, expressed or implied, is made.

This ESA is not intended to be an exhaustive search for all possible environmental issues. It was designed to utilize reasonably ascertainable information in order to determine whether recognized environmental conditions (as defined by ASTM) warranting additional investigation are present. However, according to ASTM 1527-13 "no environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property." This ESA is intended to reduce uncertainty regarding recognized environmental conditions for the subject property, but it cannot eliminate all uncertainty.

The Phase I ESA is intended as a step to qualify the report's user for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. It constitutes a portion of the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined by 42 U.S.C. §9601. The scope of services noted in Section 1.1 was completed by, or under the direction of, an environmental professional as defined in ASTM E1527-13.

1.3 Client and Right of Reliance

As outlined in the PSA governing this project, the client is HILT Investment Holdings, LLC. An additional right of reliance is granted to Columbia Bank.This report was prepared for the use of the client for the purposes outlined herein and in contract documents under which the project was completed.
Reliance by any party other than HILT Investment Holdings, LLC or Columbia Bank is strictly at their own risk. Additional entities may be granted the right to rely on this report, subject to the approval of the client and agreement by the relying party regarding the scope of services under which this report was prepared. Such additional rights-of-reliance may only be granted in writing either by specific mention in this section or in a letter of reliance prepared and signed by Robinson Noble

2.0 Previous Reports

We reviewed a previous Phase I ESA produced by Partner Engineering and Science, Inc (Partner) for Sterling Bank in 2013 that was provided by HILT Investment Holdings, LLC. Partner's report stated that the city directories included in thier Phase I ESA show that the subject was listed as Grant's Auto Sales and Service in the 1953 directory. The report indicates that Mrs. Amy Jackson with the Central Pierce Fire and Rescue Prevention and Education division stated that she had no fire incident records for the subject property. Permits obtained from the City of Puyallup Building Department for the phase I ESA contain building permits for signs on the subject and for replacing gas furnaces. The Partner report also references a previous Phase I ESA completed by Environmental Associated, Inc. in 2003. We were unable to obtain a copy of this older Phase I ESA. However, the Phase I report completed by Partner summarizes some of the report details from the older Environmental Associated Phase I ESA.

We have labeled the subject property buildings, former underground-storage tank locations, and the location of the above-ground storage tank on an aerial map of the site which is attached as Figure 2 in Appendix A. The Partner Phase I ESA indicates that the Environmental Associated, Inc. ESA suggests that the subject building (Building 1) had been heated in the past with heating oil stored in an underground-storage tank. The report suggests that the closed-in-place heating-oil tank is located beneath the southern margin of the parts offices (southeastern portion of Building 1). The report also identified that a gasoline UST was formerly located on the subject property near the southeastern driveway.

The Partner Phase I ESA also references a Phase II ESA that was conducted by Encore Environmenal Consortium, LLC (Encore) in 2003 for Argonaut Holdings, LLC. We were not able to acquire this report. The description below is based off of a summary of the report findings from the Phase I ESA completed by Partner. The purpose of the Phase II was to investigatie recognized environmental conditions found in the Environmental Associated, Inc. Phase I ESA conducted in 2003, described above.

The assessment reportedly consisted of 18 direct-push soil borings advanced on the subject property. Soil borings were advanced near storm drains at the request of Argonaut, one of which was in the vicinity of an above-ground oil-water separator on the subject. One soil boring was located near the assumed location of a former gasoline UST and one boring was advanced near the east side of the subject property to investigate potential impacts from the adjacent property to the east. A single boring was advanced near the closed-in-place heating-oil underground storage tank and two soil borings were placed near a waste-oil tank that was active at the time of the investigation. Eleven soil borings were advanced to investigate

locations of former underground hydraulic vehicle hoists. Soil and groundwater samples were collected at each boring location.

The soil results for samples collected near the waste-oil tank (active at the time) were found to contain gasoline-range and diesel-range petroleum hydrocarbons above applicable Washington State Model Toxic Control Act (MTCA) cleanup levels. In addition, previous reports and health department records indicate that the waste-oil tank was previously replaced and that the former tank was located in the same area. The previous waste-oil tank was reportedly removed in 1987. Ecology and health department records describe the decomissioning and removal of contamination regarding the waste-oil tank which was active at the time of the previous investigations in 2003, as described in Section 4.2 and 4.3.1. Confirmation samples collected from the excavation confirmed that the contamination was removed. The Tacoma-Pierce County Health Department (with authority from the Washington State Department of Ecology) issued a no-further-action (NFA) determination for the tank area indicating that the contamination was removed to the satisfaction of the health department. Since the tank was removed, contaminated soils were removed, and since the health department provided a NFA determination for the tank area, we have determined that the former waste-oil underground storage tanks do not represent a significant risk to the subject.

The Partner report indicates that no constituents were detected in soil samples collected from the borings along the eastern boundary of the property, near the closed-in-place heating-oil tank, near the storm drains, or near the hydraulic hoists. No groundwater contamination was found during the 2003 investigation completed by Encore. Since contamination was not identified near the location of the closed-in-place heating-oil tank, we have determined that the risk to the subject is likely low.

Since health department records, discussed in Section 4.3.1 describe the removal of two hydraulic hoists, and because the investigation by Encore did not identify any contamination near the former hoist locations, we opine that the hydraulic hoists likely do not represent a significant risk to the subject.

The site previously had a gasoline underground-storage tank, which previous reports indicate was located on the subject near the southeastern driveway. Records indicate the tank was removed in 1987. The boring advanced by Encore, revealed Xylene at a concentration of 15.8 mg/kg in soil sampled from the assumed location of the former gasoline UST, which is above the MTCA Method A cleanup level of 9 mg/kg. Due to the exceedance, the area of the gasoline UST was excavated by Environmental Management Services, LLC. (EMS) on September 2, 2004 and 26.37 tons of impacted soil was excavated and transported off site. Soil samples were collected from the excavation and analyzed for gasoline-range total petroluem hydrocarbons, benzene, toluene, ethyl benzene, and xylene (BTEX). Two additional samples were analyzed for total hydrocarbons by HCID method. The confirmation samples collected from the excavation were reported below the MTCA method A cleanup levels for the applicable constituents. No groundwater was encountered during the excavation. Since the area was excavated, contaminated soil was removed, and confirmation samples verified that the contamination was removed, we have determined that the former gasoline UST represents a low risk for the subject property.

We were unable to review a complete history of the environmental reports that exist for the subject property. Therefore, we are unable to verify the accuracy of some of the findings and conclusions within the previous reports. This is a significant data gap.

Available previous reports are included in Appendix D.

3.0 Physical Setting

3.1 Site Description

3.1.1 Legal and Location

The subject site is comprised of four parcels identified by Pierce County records as parcel numbers 0420214807, 0420214808, 0420214014, and 0420214057. The address assigned to the property is 400 River Road, Puyallup, Washington. A general location map is provided as Figure 1 in Appendix A. Five buildings are located on the subject property which have been numbered (Building 1 through Building 5) for clarity. Building numbers are labeled on Figure 1. A site diagram, indicating approximate parcel boundaries, is included in Appendix A as Figure 2. The subject consists of approximately 3.87 acres.

3.1.2 Current Property Use

The land use of the subject is commercial. The property is currently occupied by Northwest Motorsport, a car dealership.

3.1.3 Structures and Improvements

The subject property includes five commercial buildings, two large canopies, and asphalt parking lots and driveways.

3.2 Regional Characteristics

3.2.1 Current Adjoining Land Uses

The subject is situated in an area that is generally developed with commercial land uses. The directly adjoining parcels are occupied by the following:

- North: River Road and a car dealership
- Northeast: River Road, service center (repair shop) for car dealership, and a commercial building containing a restaurant, an investment company, a payday loan business, a hearing medical office, hair salon, a tax-services business, Verizon wireless store, and a dentist's office
- East and southeast: Fourth Street Northwest and a car dealership
- South: Boush Moving and Storage
- Southwest and west: A car dealership
- Northwest: River Road and Key Bank

3.2.2 Topography, Geology, and Soils

The subject property is at an elevation of between 35 to 40 feet above sea level, sloping gently to the south. The subject property is located in the Puyallup River valley approximately 1,200 feet south of the river.

Troost (in press) maps the surface geology of the subject and surrounding area as alluvium. These sediments are generally composed of silt, sand, and gravel. This unit is generally very permeable.

Soils in the area of the subject have been classified as xerorthents, Puyallup fine sandy loam, and Pilchuck fine sand by the USDA (2015). Xerorthents is associated with fill material. Puyallup fine sandy loam and Pilchuck fine sand are generally associated with flood plains. These soils are typically well drained to excessively drained, respectively.

The soil survey map identified fill material in the central portion of the subject property. Although fill may exist, multiple soil borings have been advanced on the subject property as described in Section 2.0. Our review of previous work did not describe unsuitable fill material and analytical results did not identify contamination associated with fill materials. Therefore, we opine that fill material that may exist on the subject property is likely not a significant risk to the subject property.

3.2.3 Surface Water and Groundwater

There is no surface water on the subject. The nearest surface water body is the Puyallup River, located approximately 1,200 feet north of the subject.

Based upon well logs obtained from the Department of Ecology for sites near to the subject, the depth to groundwater is generally 15 to 20 feet. Shallow groundwater flow directions and depths are likely influenced by proximity to the Puyallup River. Groundwater flow directions in the vicinity of the subject site are presumed to be toward the north. Given that the groundwater gradient is relatively flat (at the scale of the subject property), the groundwater flow direction may vary from this presumed direction. However, the actual groundwater flow direction and depth cannot be fully characterized without performing work beyond the scope of this study.

3.3 Site and Surrounding Area Reconnaissance

Kari Thomas, a Robinson Noble geologist, completed a site reconnaissance (inspection) on August 19. The purpose of the reconnaissance was to obtain readily apparent indications of potential recognized environmental conditions as defined by ASTM Standard E1527-13. Selected photographs from the reconnaissance are attached in Appendix A. The inspection included a walkthrough of the site and a review of the surrounding properties. Also included was an inspection for possible contamination sources, including those noted below, on the site and from adjoining properties.

- storage tanks (underground and above ground)
- wells (water wells, dry wells, irrigation wells, monitor wells, etc.)
- drums or chemical storage areas
- hazardous substances, petroleum products, and unidentified containers
- pools of liquid, ponds, and surface impoundments
- maintenance or shop areas
- waste water systems
- sumps or storm drains
- interior stains or corrosion
- stained soil or pavement
- potentially PCB-containing equipment
- piles of waste or trash; solid waste
- dead or dying vegetation
- unusual odors
- other observations that in the opinion of the field investigator indicate the possible presence of conditions of concern

As described in Section 3.1, the site is currently occupied by a Northwest Motorsport car dealership.

3.3.1 Interior Observations

The main building (Building 1) on the subject property contains multiple uses. The building contains a sales floor and offices, the parts and service department office, a waiting room, a parts- and tire- storage area, and maintenance and vehicle repair bays. The sales floor contains cubicle spaces and offices, and a showroom for a few vehicles. The sales area consists of typical office building materials and furnishings. The service center area contains offices, cashier, ordering

counters, and a waiting room for customers. The tire-storage area located in building one has a concrete floor and stacks of vehicle tires and boxes of vehicle parts. Small propane tanks are stored in the tire-storage area, which are used as forklift fuel. Rooms off the tire-storage area provide additional storage of wheels, and other various auto parts. Building 1 also contains a break room with a small kitchenette, tables and chairs, and gym equipment. The shop bays include above-ground-storage bins, which contain new motor oil. The shop floor is concrete and patched areas are visible on the floor, presumably from the removal of previous underground hoists. The current vehicle hoists in building 1 are above ground and are mounted onto the concrete floor. We did not observe any underground hoists in the repair bays. We did not observe floor drains in the maintenance and repair shops areas of building 1. Although dry stains were observed on the floor of the shop, we opine that the stains are confined to the concrete floor and do not likely impacted soils on the subject property. The parts department area includes a sales counter, racks of auto parts, and an area of Northwest Motorsport brand merchandise for sale. No environmental concerns or recognized environmental conditions were identified in Building 1.

Building 2 consists of vehicle repair and maintenance bays. The building contains a concrete floor and pad-mounted vehicle hoists. The shop contains above-ground storage containers for motor oil. We did not observe evidence of underground vehicle hoists remaining in place. Concrete patches and cuts, presumably associated with former underground hoists were observed on the shop floor. Above-ground storage bins containing new oil were observed in building two. No significant staining associated with the oil bins was observed. Although dry stains were observed on the floor of the shop, we opine that the stains are confined to the concrete floor and do not likely impacted soils on the subject property. We did not observe floor drains in building 2.

The wholesale office and balloon shed (Building 3) includes an office area and a storage shed for compressed helium tanks for filling balloons. The building consists of typical office building materials and furnishings.

Building 4 appeared to be primarily used for painting and auto body repair and also had a customizing shop. Building 4 has a concrete floor. Pad-mounted vehicle hoists are located in building 4. The southern-most room in building 4 contains two above-ground storage tanks for used oil. Various floor mats are layered on the floor in this room. Oil staining was observed on the exterior of the storage tanks, on floor mats, on compressor equipment, and on other surfaces in this room, indicating that spills, drips, and other releases of oil have occurred. However, the spills likely do not impact soils beneath the building since the building has a concrete floor and mats above the concrete floor likely captured any spills that have occurred. We recommend that best management practices be used regarding minimizing spills, containing spills, and cleanup of spills.

A washing machine and dryer, for washing laundry, are located in Building 5. Uniforms, antifreeze, transmission fluid, and other vehicle fluids, wheels, tires, and an all-terrain vehicle are stored in building 5. Building 5 has an older concrete floor. Vehicle fluid containers that appeared to be in use were located on floor mats. We opine that spills from vehicle fluids would be contained on the concrete surface or be captured by floor mats. Therefore, we opine that the risk from spills from vehicle fluid storage containers is likely low.

Some building materials observed in the subject buildings, including surfacing materials on walls and ceilings and floor tiles, are suspect asbestos-containing building materials. Asbestos surveying and sampling are not included as part of this Phase I ESA. We recommend that an

asbestos survey be completed by a certified building inspector in accordance with all local and federal requirements prior to any renovation, demolition, or disturbance of building materials on the subject property.

3.3.2 Exterior Observations

A canopy is located at the south end of the subject property, west of building 5. We observed car-washing activities occurring under the canopy. An above-ground oil-water separator (OWS) was observed near the car-washing station. Interviews with Northwest Motorsport employees indicate that water from the stormwater system on the subject property is pumped up to the oil-water separator and is then pumped underground into the sewer system on 4th Avenue. They also indicated that the OWS is cleaned out every six months. The OWS appeared to have secondary containment in the event of an overflow. Since the OWS appears to be routinely maintained, is above ground, and is equipped with a secondary containment system, and because previous evaluations, discussed in Section 2.0, did not identify contamination surrounding the OWS, we opine that the oil-water separator does not represent a significant risk to the subject property.

A second canopy is located in the southwest corner of the property, west of building 4. The canopy appeared to function as an area for vehicle detailing and painting. A metal shipping container is located on the south side of building 4. The shipping container appeared to contain storage of empty steel drums and empty 5-gallon containers, which previously contained paints and other various products.

3.3.3 Roads

River Road and 4th Street Northwest adjoin the subject property to the north and east, respectively.

3.3.4 Utilities

Public water and sewer serve the site. Heating and cooling of the occupied buildings appear to be accomplished by electricity.

3.3.5 Adjoining Properties

Adjoining properties were inspected from the adjoining right-of-ways during the site visit. Adjoining properties include car dealerships, public roads, a moving and storage business, and public roads. The interiors of buildings on the adjoining properties were not inspected.

3.3.6 Data Gaps

The interiors of neighboring buildings were not inspected. However, based on the observed uses of these properties, we interpret this data gap is not significant.There are no other data gaps to the site and area reconnaissance.

3.3.7 Site and Surrounding Area Summary

The visual inspection of the subject property did not reveal any recognized environmental conditions.

The visual inspection of the adjoining properties did not reveal any concerns defined by ASTM as a recognized environmental condition.

4.0 Government Agency Information

4.1 EDR Database Search

A database search was conducted through a private, third-party firm, Environmental Data Resources, Inc. (EDR), to identify sites of known or potential contamination within varying radii as defined by ASTM. These radii range from the target property only to up to one mile from the subject property. The database search results, including the search radii, are included in the EDR report, which is attached as Appendix B. A complete list and descriptions of the databases searched may be found in the Government Records Search/Data Currency Section of the EDR report. The absence of records should not be used as conclusive evidence that conditions do not exist. Sites may not have been reported or registered and/or may pre-date the requirement to report or register.

The subject site is located at 400 River Road, Puyallup, Washington. The EDR report lists the subject site on the Underground Storage Tank (UST), ALLSITES, Resource Conservation and Recovery Act (RCRA) Non-generator (Nongen)/ No Longer Regulated (NLR), Finds, and Enforecement and Compliance History Online (ECHO)databases. The subject property is listed on the UST regarding four underground storage tanks previously used on the subject property, including two waste-oil USTs, a gasoline UST, and a heating-oil UST. The USTs are described in more detail in Section 2.0, 4.2, and 4.3.1. The subject is listed on the remaining databases as a result of handling petroleum products and previous compliance assistance visits and local source control inspections. Based on previous environmental assessments described in Section 2.0, and based on health department and Ecology records described in Section 4.3.1 and 4.2, respectively, we have determined that the risk to the subject from the USTs is low.

The EDR report lists 109 properties/businesses with a total of 166 listed conditions falling within the ASTM standard search radii. In addition, the EDR report lists seven unmappable (orphan) sites with listed conditions. As part of this study, where reasonably ascertainable, we determined the locations of the unmapped listed sites.

We assessed the risk to the subject property from both the mapped and unmapped listed sites. We were able to determine without further research that all but one of the listed sites pose little risk to the subject. We made this determination by reviewing site locations in relation to the estimated groundwater flow direction, reviewing the types of listings, and reviewing the reported status of the listed sites. As described below, one site was researched in more detail to determine its level of risk to the subject.

Boush Moving and Storage (EDR map ID # 8) at 820 4th Street Northwest adjoins the subject property to the south. The property is listed in the UST and ALLSITES databases. The property is listed in the UST database for a combination gas and diesel underground storage tank that is abandoned on the property. The Department of Ecology provided records for the tank, however, minimal records exist. A letter from Boush Moving and Storage to the Department of Ecology indicated that the tank was last used in 1982 and that the tank was emptied. The tank records are described below in Section 4.2. Brad Costello with the Tacoma-Pierce County Health Department indicated that they do not have tank records and that the tank pre-dates their regulations. We opine that the tank may not be closed-in-place in accordance with current regulations.

The records also indicate that there was no leak detection, cathodic protection, or internal lining for the tank system. The location of the tank on the property is not described in the records provided by the Department of Ecology. If the tank has leaked, there is potential for

contamination to surrounding soil and groundwater. Since the property is located upgradient of the subject, it is possible that contamination may have migrated to the subject through a groundwater pathway and possibly soil contamination if the tank was in close proximity to the southern subject property boundary. The potential for soil and groundwater contamination on the subject from the underground storage tank on the neighboring property represents a recognized environmental condition. Previous soil borings were not placed in optimal locations to identify contamination from the adjoining property to the south. However, the contamination, if it exists, is likely not extensive since contamination associated with the off-site tank was not identified in soil borings that were advanced on the subject property during previous environmental investigations.

4.2 Washington State Department of Ecology File Review Information

Ecology records include a decommissioning report for the previous waste-oil underground storage tanks, located near the south side of building 2, which is also included in health department records and is discussed in Section 4.3.1. The records also include a letter from Ecology to Ken Parks Chevrolet in 1998 indicating that the subject tank system had not been upgraded to current standards and would not be issued a compliance tag.

A checklist included in Ecology records indicate that the subject previously contained a 550-gallon waste-oil tank and a 2,000-gallon unleaded-gasoline fuel tank on the subject property. The record indicates that the fuel tank and the oil tank were removed in 1987. The checklist indicates that contamination was not found and that a site assessment was not completed.

Ecology records include a records indicating that the gasoline UST on the subject property was removed in 1987. The records also indicate that the tank had been in place approximately fifteen years before it was removed and that the tank did not have a leak detection system or cathodic protection and that the tank was unlined.

Ecology also provided tank records for the adjoining property to the south, Boush Moving and Storage. Ecology records indicate that a leaded gasoline and diesel tank was installed on the property in 1977 and was last used in 1982. A letter from Boush Moving and Storage to Ecology indicates that they had the remaining fuel pumped out of the tank, but there are no records that the tank was removed. The records suggest that the piping associated with the tank is above ground and that the tank was between 500 and 1,000 gallons in capacity. Ecology records are included in Appendix D.

4.3 Local Government Records

4.3.1 Health Department Records

Brad Costello with the Tacoma-Pierce County Health Department provided records for the subject property regarding decomissioning of underground storage tanks that were previously located on the subject property and removal of former underground hydraulic vehicle hoists.

The records provided include a decomissioning project completed by Environmental Management Service, LLC for Friendly Chevrolet in 2004. A 650-gallon underground waste-oil tank, located on the subject property along the southern wall of building 2, was removed and confirmation soil samples were collected from the excavation area. The report states that the soil sample results were below the MTCA cleanup Limits of 2,000 mg/kg for diesel and oil-range petroleum hydrocarbons. The waste-oil tank is also described in Section 2.0.

The report also describes that two hydraulic-oil cylinders associated with the hoist system in a stall in the service shop (Building 2) were removed in 2004. The report details that soil samples were collected from the excavation and that no contamination was found above MTCA cleanup levels. The records include a NFA determination letter from the Tacoma-Pierce County Health Department regarding the removal of the underground waste-oil tank previously described. Health department records are included in Appendix D.

4.3.2 County Assessor Records

According to Pierce County Assessor's records, the owner of tax parcels 0420214807, 0420214808, 0420214014, and 0420214057 is K & A Holdings, LLC. These records indicate previous owners include CMW Investments, LLC and Parks Family, LLC. Parcel information was reviewed on the Assessor website and is attached in Appendix C.

4.3.3 County Auditor Records

We reviewed Pierce County Auditor records for the subject property. No environmental liens or activity and use limitations were identified in the records, nor did we find other information on potential recognized environmental conditions.

4.3.4 Title Records and Environmental Liens or Activity and Use Limitations

HILT Investment Holdings, LLC did not provide a copy of title records for the property. Title records can provide information on past owners and can potentially contain environmental liens or activity and use limitations not revealed by other sources. Without provided records, we did not review title records for the property.

4.4 Tribal Records

This property is not located within the historical boundary of an Indian reservation. Therefore, tribal records most likely do not exist. However, the inability to review tribal records is a data gap.

4.5 Data Gaps

Neither title nor tribal records were reviewed for this assessment. However, the owner has indicated that they have reviewed title documents and found no liens or encumbrances related to environmental conditions existing on the subject. Our review of County records also found no concerns. Also, the subject is not within the historic boundary of an Indian reservation, so tribal records likely do not exist. Therefore, we interpret both of these data gaps to be insignificant.

5.0 Historical Research

A critical part of the ESA process is the consultation of historical sources to develop a history of the previous uses of the subject property and surrounding area. The purpose is to identify the likelihood of past uses causing recognized environmental conditions that could potentially impact the subject property. According to ASTM, the goal of historical research is to develop an assessment of chronological site and area land use from the first development. The historical information reviewed includes available sources that are reasonably ascertainable and relevant (as defined in ASTM E1527-13). Aerial photographs, fire-insurance maps, USGS 7.5-minute topographic maps, local street directories, County records, Polk's directories, and historical atlases were reviewed for this project. Relevant historical findings are given below.

5.1 Aerial Photographs

Aerial photographs (aerials) were searched through a third-party firm, EDR. A copy of the EDR Aerial Photo Decade Package is attached in Appendix B. Aerials dated from 1941, 1943, 1957, 1968, 1972, 1980, 1986, 1990, 1991, 2006, 2009, and 2011were reviewed.

The subject property appears developed with agricultural land on the subject property on the 1941 map. The subject also includes timberland and vegetation associated with an oxbow lake. River Road adjoins the subject property to the north and 4th Street Northwest adjoins the subject property to the east. Agricultural land and a road are located on the adjoining property to the west. The properties adjoining the subject to the south appear to be residential and agricultural land. The 1943 map appears relatively similar to the 1941 map.

The subject property appears developed with a large commercial building (Building 1) on the 1957 map. The subject also contains a paved parking lot. The adjoining property to the west appears developed with a driveway and approximately three small buildings, likely a single-family residence and outbuildings.

Two additional commercial buildings (Buildings 2 and 5) appear developed on the subject property on the 1968 aerial. The properties north and northeast of the subject and River Road appear developed with commercial buildings on the aerial. The adjoining property to the south appears developed with a commercial building on the aerial. The adjoining property to the west appears redeveloped with an asphalt-paved lot and appears used as storage of items or possibly vehicles. The property east of the subject and 4th Street Northwest appears developed with two small commercial buildings.

A commercial building is shown on the adjoining property to the west on the 1972 map. A second large commercial building has been added to the adjoining property to the west on the 1980 aerial. A second commercial building is located on the adjoining property to the south on the aerial. The 1986 aerial is of poor clarity. However, it appears similar to the 1980 aerial. The 1990 and 1991 aerials appear similar to the 1980 aerial. The adjoining property southwest of the subject appears developed with commercial buildings on the 2006 aerial. Subsequent aerials appear similar to the 2006 aerial.

We did not find any historical environmental conditions from the aerial photo review.

5.2 USGS Topographic Maps

A topographic (topo) map search was completed through a third-party firm, EDR. A copy of the EDR Historical Topographic Map Report is attached in Appendix B. Coverage was available for years .

The earliest topo, dated 1897, Shows the Puyallup River in the area of the subject and surrounding area. The city of Puyallup appears developed in the surrounding area south of the subject. A small building is shown on the the subject property on the 1941 map. The building may be an outbuilding. The map shows an intermittent stream travelling through the subject property from east to southwest. Two commercial buildings are shown on the subject property on the 1961 map. Two additional commercial buildings are shown on the subject property on the 1968 map, as shown by structure symbols on the map. The adjoining properties to the north, east, and west appear developed with commercial buildings, as shown by structure symbols on the map.

The 1973 map appears relatively similar to the 1968 map. Additional development in the surrounding area is shown on the 1981 map as indicated by shading on the map. The 1994 map and subsequent maps do not show details at the scale of the subject.

No specific historical recognized environmental conditions were revealed through the topographic map search.

5.3 Sanborn Fire Insurance Maps

A Sanborn map search was completed through a third-party firm, EDR. A copy of the EDR Sanborn Map Report is attached in Appendix B. Sanborn fire-insurance map coverage is not available for the subject and surrounding area.

5.4 City, County, and Suburban Directories

A directory search was completed through a third party, EDR. Their report, EDR City Directory Abstract, is attached in Appendix B. This source shows available directory coverage for the area surrounding the subject property. Pertinent results of the directory research are detailed below.

The subject address, 400 River Road, is listed in the 1959, 1964 city directory as Grant's Chevrolet, Inc. (auto sales). The address is listed as Service Chevrolet, Inc in the 1970, 1975,and 1981 directories. Ken Parks Chevrolet Inc. is listed at the subject propery address in the 1986, 1992, 1995, and 1999 directories. The 1999 directory also lists Puyallup Chevrolet and Subaru at the subject property address. The 2003 and 2008 directories lists Bullet Proof Bedliners and Puyallup Chevrolet and Subaru on the subject property address. Northwest Motorsport and Bullet Proof Bedliners are listed at the subject property address in the 2013 directory.

The adjoining property to the west, located at 500 River Road, is listed in the 1992 city directory as Korum Motors (auto sales).

The property east of the subject and 4th Street Northwest is listed in the 1970, 1975, 1981, and 1986 directories as Larson Motors Inc. (auto sales), Daihatsu of Puyallup and Larson Dodge are listed at the address in the 1992 and 1999 directories. The property is listed as Larson Dodge in the 1995 directory and as Larson Motors Inc in the 2003 and 2008 directories. The property is listed as JMS Detail & Auto Accessories and Larson Motoros Chrysler Puyallup in the 2013 directory.

The adjoinig property to the south, located at 820 4th Street Northwest is listed in the 1970, 1975, 1981, 1986, 1992, 1995, 1999, 2003, 2008, and 2013 directories as Boush Moving and Storage Inc. The address is also listed as Olympic Moving & Storage in the 2013 directory.

No specific historical recognized environmental conditions were revealed through the directory research.

5.5 Additional Historical Sources

5.5.1 Fire Department/Fire Marshal

We submitted a public records request for fire records to the City of Puyallup. However, we have not yet received any records.

5.5.2 Building Permits

We submitted a public records request to the City of Puyallup for building permits. However, we have not yet received any records.

5.5.3 Other Historical Sources

No specific historical recognized environmental conditions were revealed through the research of these other historical sources.

5.6 Summary of Historical Findings

The historical research indicates the subject property was first developed prior to 1941 as agricultural land with an outbuilding. Following this initial development, city directories from the previous Phase I (Partner 2013) indicate that the subject was developed with a car dealership by 1954. The car dealership was expanded over time to include additional buildings.

Historically, the surrounding area was largely agricultural land and residences with outbuildings. While the surrounding area south of the subject property has remained predominantly residential, the remaining area was largely redeveloped with commercial uses in the 1960's.

No specific historical recognized environmental conditions were revealed through historical research.

5.7 Historical Data Failure Summary

We were unable to determine the first developed use. This is a historical data failure. However, aerials and topographic maps suggest that the subject was developed with a small building, likely an outbuilding, and agricultural land by 1941, which we opine is likely the first developed use. Because the first use was for agriculture, this data failure is not considered significant.

6.0 Client and Owner Provided Information and Interviews

6.1 Reason for Conducting the Phase I ESA

HILT Investment Holdings, LLC stated the purpose of this Phase I ESA is financing.

6.2 Valuation Reduction for Environmental Issues

Debbie Cupples, a representative of the current property owner, indicated the value of the property has not been reduced due to environmental issues.

6.3 Interviews

Interviews, both actual and attempted, for this Phase I ESA were conducted by Kari Thomas, a Robinson Noble geologist.

6.3.1 Agencies

Based on the information researched for this study, agency interviews were determined unnecessary and were not conducted.

6.3.2 Site Tenant(s)

We conducted an interview with Chase Malloy, a representative of Northwest Motorsport, at the time of the site visit. He provided information regarding uses of the subject buildings. He indicated that waste oil is removed from the above-ground storage tanks on the subject property by a contractor approximately once a week. He also indicated that storm drains on the subject property go through an above-ground oil-water separator located on the subject property. He stated that to his knowledge water on the site goes into the sewer system on 4th Street Northwest after it passes through the oil-water separator. Mr. Malloy indicated that the maintenance and repair shops currently utilize above-ground, pad-mounted vehicle lifts. Mr. Malloy

stated that they generally store less than 500 tires on the subject property. Our interview with Mr. Malloy did not reveal any significant environmental issues or recognized enviromental conditions.

6.3.3 Current Owners

We conducted an interview with Debbie Cupples, a representative of the current property owner. However, the interview did not reveal any significant environmental issues or recognized enviromental conditions. We also conducted an interview with Chase Malloy, a representative of the current property owner, described above in Section 6.3.2. Ms. Cupples provided previous reports and documentation for the subject property.

We also submitted a detailed questionnaire to Debbie Cupples. The questionnaire includes questions concerning the subject property's current use and history; whether the person answering the questionnaire has any specialized knowledge or experience, or are aware of any "commonly known information," in connection with potential environmental conditions; whether they have any actual knowledge of environmental liens or activity use limitations (AULs) for the subject; whether the value of the property has been affected by environmental issues; and concerning the reason why the Phase I ESA is needed. The answers to the questionnaire state that used oil and used oil filters are removed by Emerald Services and that batteries are recycled by Seattle Automotive Distributing. The questionnaire also suggests that all of the vehicle hoists were above ground at the time that the property was purchased on behalf of Northwest Motorsport. The questionnaire is attached in Appendix D. The answers to the questionnaire did not reveal any significant environmental issues or recognized enviromental conditions.

6.3.4 Previous Owners

Through our research on this project, we were able to identify at three previous owner of the subject property. The previous owers are businesses and we were unable to obtain anyone knowlegable about the property.

6.3.5 Others

No other interviews were conducted for this report.

6.4 Data Gaps

We were unable to interview previous owners. This is a data gap. However, we opine that the interviews, had they occurred, would not likely alter the findings of this report. Therefore, we have determined this data gap to be insignificant.

7.0 Findings, Conclusions, and Recommendations

7.1 Findings

The subject site is comprised of four parcels identified by Pierce County records as parcel numbers 0420214807, 0420214808, 0420214014, and 0420214057. The address assigned to the property is 400 River Road, Puyallup, Washington. These parcels are currently used primarily for commercial uses, and are occupied by Northwest Motorsport, a car dealership. The surrounding properties include public roads, car dealerships and maintenance and repair shops associated with the dealerships, and a moving and storage facility.

The historical research indicates the subject property was developed by 1941 with agricultural land and a small building, likely an outbuilding. Following this development, the subject was

redeveloped with a car dealership by 1953. The site was developed into its current configuration in 1968.

We reviewed standard environmental databases and found the subject property on the UST, ALLSITES, RCRA Nongen/ NLR, Finds, and ECHO databases. The subject property is listed on the UST regarding four underground storage tanks previously used on the subject property, including two waste-oil USTs, a gasoline UST, and a heating-oil UST. The subject is listed on the remaining databases as a result of handling petroleum products and previous compliance assistance visits and local source control inspections. The database search did indicate a number of nearby properties listed. We further investigated the only site that appeared to be of concern. Our additional investigation found evidence of a recognized environmental condition, which is described below in Section 7.3.

We submitted a questionnaire to the subject property owner and interviewed people knowledgable about the property. This information did not provide evidence of any recognized environmental conditions.

7.2 Data Gap Summary

Significant data gaps affect an environmental professional's ability to identify recognized environmental conditions. However, data gaps in and of themselves are not inherently significant. We identified one significant data gap through this study. We were unable to review a complete history of the environmental reports that exist for the subject property (see Section 2.0). Therefore, we are unable to verify the accuracy of some of the findings and conclusions within the previous reports. This is a significant data gap.

7.3 Conclusions

We have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-13 of 400 River Road, Puyallup, Washington. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this document. This assessment has not revealed evidence of recogonized environmental conditions except for:

The potential for soil and groudwater contamination on the subject property from an abandoned underground-storage tank located on the adjoining property to the south. Since the underground-storage tank is upgradient of the subject, it is possible for contamination, if it exists, to have migrated to the subject.

7.4 Recommendations

We opine that the contamination, if it exists, is likely not extensive since contamination associated with the off-site tank was not identified in soil borings that were advanced on the subject property during previous environmental investigations. As previously described, we were unable to review the complete history of environmental investigations conducted on the property. We recommend obtaining the previous reports, if possible, for further review to determine if previous investigations are sufficient to resolve the recognized environmental condition identified above and the significant data gaps. If not, we recommend a subsurface investigation be conducted near the southern boundary of the subject property to identify if soil or groundwater contamination exists from the adjoining property.

8.0 References

Federal, State, and Local Agency Records

Pierce County Assessor's Office

Tacoma-Pierce County Health Department

U.S. Geological Survey - 7.5 - Minute Series - Puyallup quadrangle

U. S. Department of Agriculture - Soil Survey, 2015 Pierce County, Washington

Washington State Department of Ecology, Southwest Region

Library Research Tools

Metsker's Historical Atlas

Polk's City Directory

Sanborn Fire Insurance Maps

Other Sources

Environmental Data Resources Inc., 2016:

- EDR Radius Map™ Report with GeoCheck®, August18
- EDR Historical Topographic Map Report, August 11
- EDR Aerial Photo Decade Package, August 12
- EDR City Directory Image Report, August 15
- EDR Certified Sanborn® Map Report, August 12

Google Maps: http://maps.google.com/

Google Earth: http://www.google.com/earth/

Partner Engineering and Science, Inc., 2013, Phase I Environmental Site Assessment Report, 400 River Road Puyallup, Washington, prepared for Sterling Bank

The Riley Group, Inc, 2011, Focused Phase II Subsurface Investigation NW Motorsport Property, 400 River Road Puyallup, Washington, prepared for Northwest Motorsport

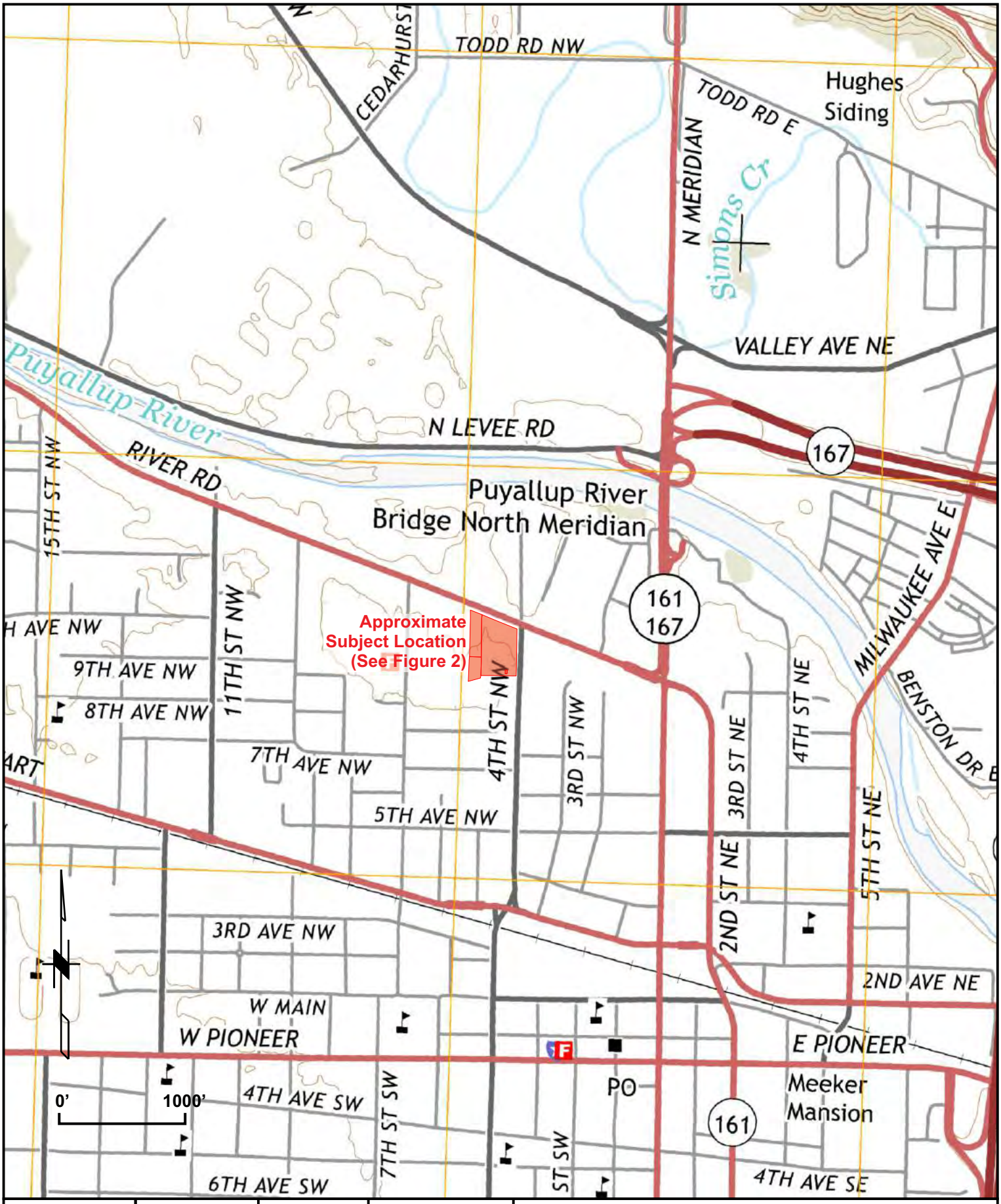
Troost, K.G, Booth, D.B., and Borden, R.K., in press, Geologic map of the Puyallup 7.5-minute quadrangle, Washington: U.S. Geological Survey Miscellaneous Field Investigation, scale 1:24,000

9.0 Closing

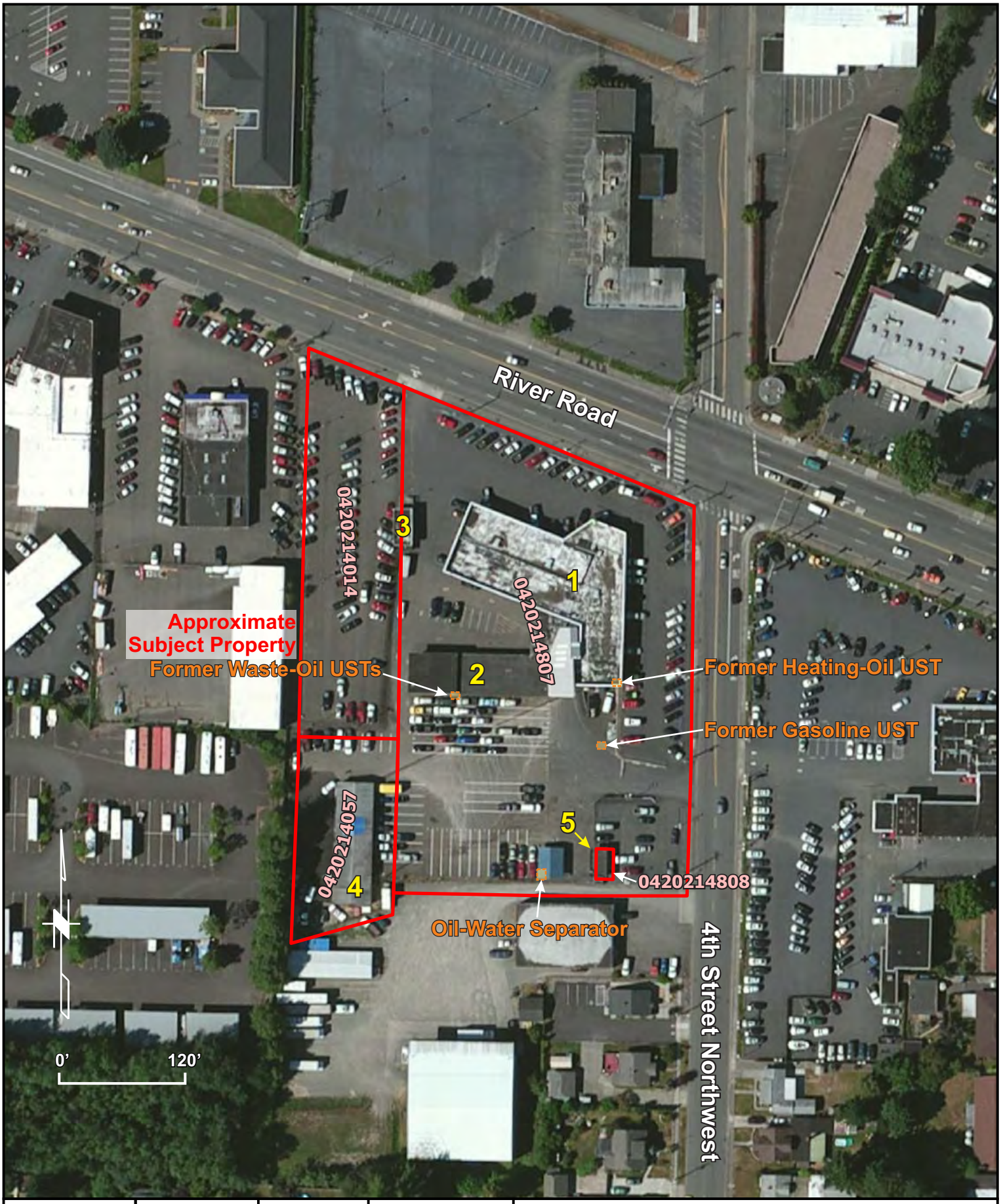
Questions regarding the contents of this report should be addressed to the project manager. The professional qualifications of the preparers of the report are listed in Appendix E to this document. If you have questions regarding this report or require further discussion of any portion of this project, please contact Robinson Noble.

The statements, conclusions, and recommendations provided in this report are to be exclusively used within the context of this document. They are based upon generally accepted environmental and hydrogeologic practices and are the result of analysis by Robinson Noble, Inc. staff. This report, and any attachments to it, is for the exclusive use of HILT Investment Holdings, LLC, Northwest Motorsport, and Columbia Bank. Unless specifically stated in the document, no warranty, expressed or implied, is made.

APPENDIX A



ROBINSON NOBLE	Note: Basemap taken from USGS Puyallup Quadrangle	PM: JFH September 2016 2943-005A	Pierce County T 20 N/R 04 E - 21 Scale 1" = 1000'	Figure 1 Vicinity Map Northwest Motorsport: 400 River Road Phase I ESA



ROBINSON NOBLE	Note: Image from ESRI ArcGIS	PM: JFH September 2016 2943-005A	Pierce County T 20 N/R 04 E - 21 Scale 1" = 120'	Figure 2 **Aerial Map of Site** Northwest Motorsport: 400 River Road Phase I ESA

Site photographs for 400 River Road, Puyallup, Washington

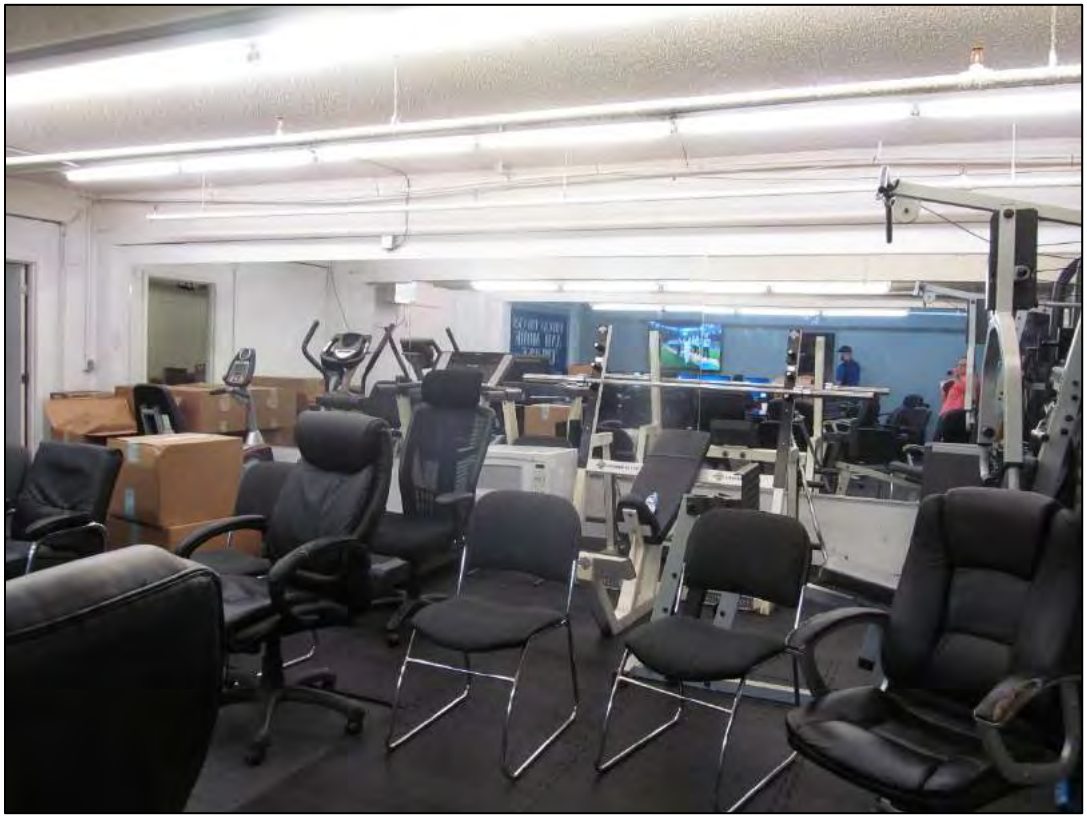
Building 1 on the subject property, view facing east

Interior of sales area of building 1

Service center office in building 1

Parts department area in building 1

Parts department in building 1



Break room area in building 1

Parts storage in building 1

Tire and parts storage building 1

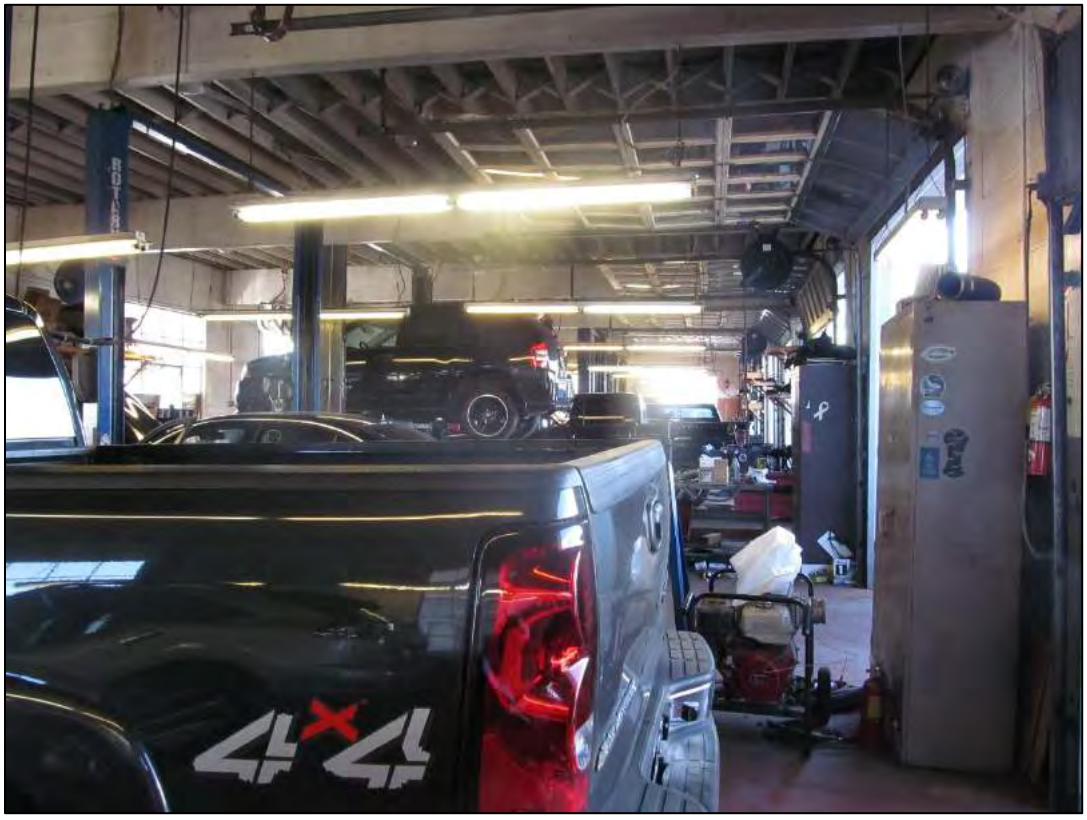
Service entrance of building 1, view facing north

Service bays in building 1

Oil storage containers in service bays in building 1

Service bays for building 2

Oil storage containers in service bays in building 2



Service bays in building 2

Containerized wastes in building 2

Awning between building 1 and building 2, view facing south toward car wash area

Wholesale office and balloon shed (building 3), view facing southwest

Interior of wholesale office (building 3)

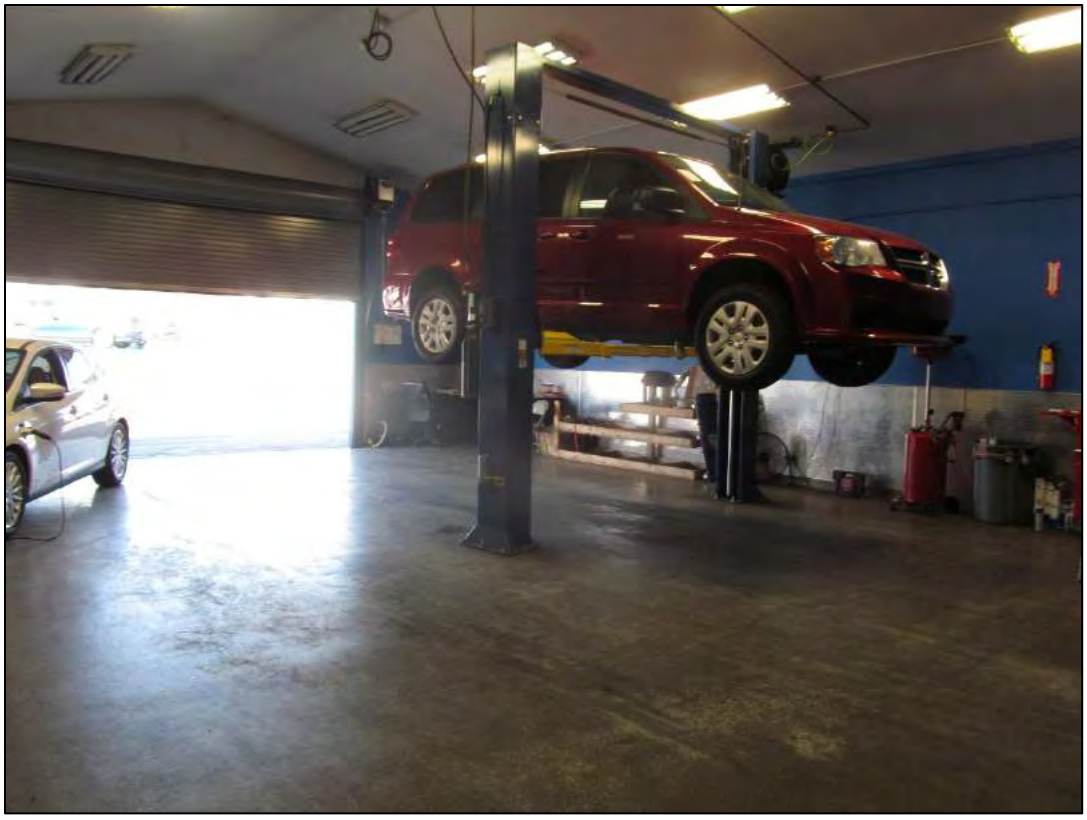
Helium tanks in balloon shed (building 3)

Paint and service shop in building 4

Interior of southern bay of building 4

Above-ground storage tanks of waste oil in building 4

Interior of building 4 paint service area



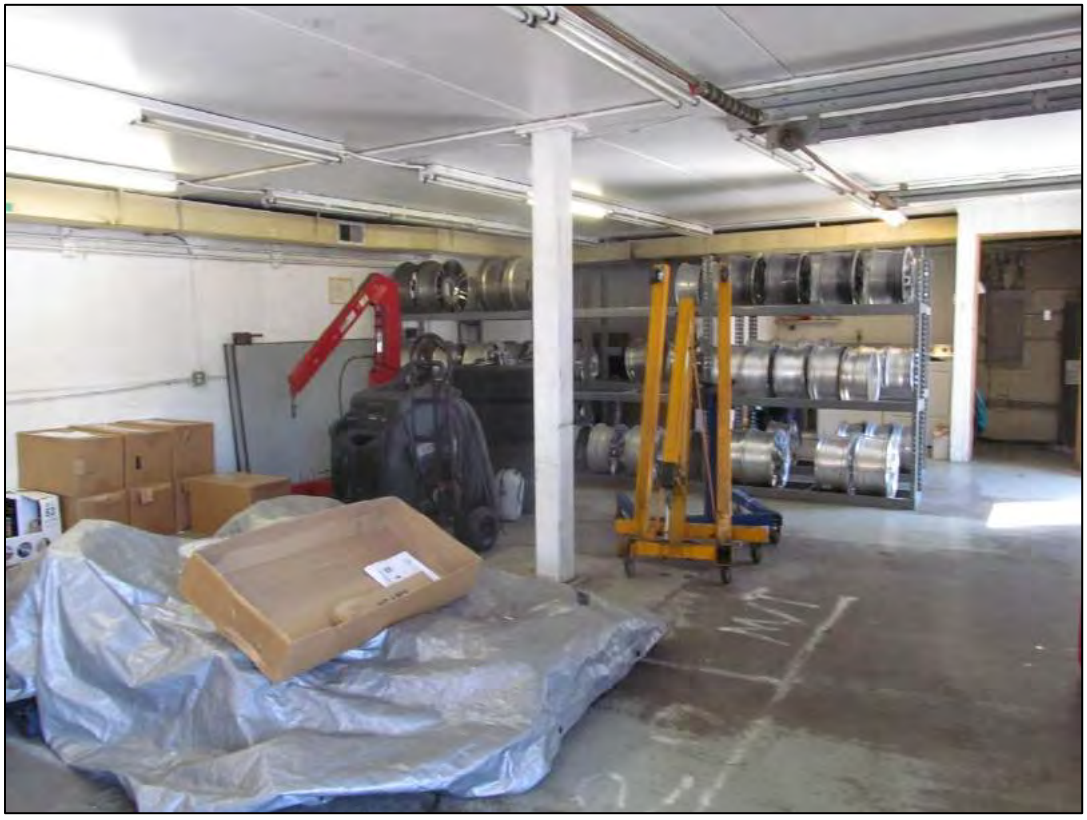
Interior of building 4

Canopy near building 4, view facing southwest

Interior of shipping container near building 4

Laundry and storage building (building 5), view facing north

Interior of building 5



Interior of building 5

Vehicle fluid containers in building 5

Interior of building 5

Car wash area, view facing northeast

Above-ground oil-water separator

APPENDIX C

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214014

08/19/2016 02:17 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214014	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	506 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	577,200
Business Name:		**Assessed Value:**	577,200
Last Inspection:	05/20/2015 - Physical Inspection		

Related Parcels

Group Account Number:	434
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : COM AT A STONE MON AT INTER OF 7TH AVE NW & 4TH ST NW TH N 1040.33 FT TO CENT OF HWY TH N 20 DEG 21 MIN W 332 FT TH S 53.33 FT TO IRON PIPE & POB TH S 325 FT TH W 93.76 FT TH N 359.78 FT TH S 69 DEG 39 MIN E 100 FT TO POB

Pierce County Assessor-Treasurer
Mike Lonergan
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Tacoma, Washington 98409
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Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214014

08/19/2016 02:18 PM

Property Details

Parcel Number:	0420214014
Site Address:	506 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	577,200	577,200	572,600	4,600	0	0	06/23/2016
2015	2016	577,400	577,400	572,600	4,800	0	0	07/06/2015
2014	2015	485,200	485,200	467,400	17,800	0	0	06/27/2014
2013	2014	485,200	485,200	467,400	17,800	0	0	06/24/2013
2012	2013	485,200	485,200	467,400	17,800	0	0	06/22/2012
2011	2012	534,900	534,900	518,000	16,900	0	0	06/27/2011
2010	2011	562,400	562,400	543,200	19,200	0	0	06/21/2010
2009	2010	622,200	622,200	600,100	22,100	0	0	07/17/2009
2008	2009	652,300	652,300	631,700	20,600	0	0	06/13/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	8,053.19
	Weed Control Principal	1.70
	Pierce Conservation District Principal	4.73
	Total 2016	**8,059.62**
2015	Property Tax Principal	6,916.00
	Weed Control Principal	1.70
	Pierce Conservation District Principal	4.73
	Total 2015	**6,922.43**
2014	Property Tax Principal	6,794.26
	Weed Control Principal	1.64
	Pierce Conservation District Principal	4.74
	Total 2014	**6,800.64**
2013	Property Tax Principal	6,970.15
	Weed Control Principal	1.64
	Pierce Conservation District Principal	4.72
	Total 2013	**6,976.51**
2012	Property Tax Principal	6,833.49
	Weed Control Principal	1.64
	Pierce Conservation District Principal	5.00
	Total 2012	**6,840.13**
2011	Property Tax Principal	6,944.38
	Weed Control Principal	1.64
	Pierce Conservation District Principal	5.00
	Total 2011	**6,951.02**
2010	Property Tax Principal	7,003.22
	Weed Control Principal	1.39
	Pierce Conservation District Principal	5.00
	Total 2010	**7,009.61**
2009	Property Tax Principal	6,636.46
	Weed Control Principal	1.39

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965114	8,059.62
04/27/2016	8895988	0.00
10/27/2015	8479402	3,461.22
04/17/2015	8179562	3,461.21
10/23/2014	7874020	3,400.32
04/21/2014	7567910	3,400.32
10/17/2013	7260539	3,488.26
04/30/2013	7120625	3,488.25
10/19/2012	6674330	3,420.07
04/24/2012	6435121	3,420.06
01/11/2012	6281151	3,475.51
04/25/2011	5805219	3,475.51
10/29/2010	5593608	3,504.81
04/22/2010	5178577	3,504.80
10/29/2009	4996948	3,321.43
04/30/2009	4766159	3,321.42
11/03/2008	4476295	2,616.55
05/05/2008	4214813	2,616.54
10/19/2007	3710785	2,168.42

Pierce Conservation District Principal	5.00
Total 2009	**6,642.85**

05/04/2007	3609339	2,168.41
10/27/2006	3246067	1,173.63
04/24/2006	2905958	1,173.62
10/21/2005	2633444	1,299.36
04/22/2005	2388771	1,299.36
11/01/2004	2142358	1,169.99
05/05/2004	1898548	1,169.98

ULID Information

Click here for ULID information

Pierce County Assessor-Treasurer
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Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214014

08/19/2016 02:19 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214014	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	506 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Location:		Size	
LEA:	2052	**SF:**	30,197
RTSQQ:	04-20-21-43	**Acres:**	0.69
		Front Ft:	392

Amenities		Utilities	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214014

08/19/2016 02:19 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214014	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	506 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: **1 building(s) on this parcel**

1

General Characteristics

Property Type:	Commercial	**SF:**	1	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	1	**Total Bsmnt. SF:**	0
Quality:	Average	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	Addon Only Comm	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Addon Only Comm	1990	0	1	1	n/a	n/a	n/a	n/a	n/a	None	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	11,000

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214014

08/19/2016 02:19 PM

Property Details	
Parcel Number:	0420214014
Site Address:	506 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details	
Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
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Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214807

08/19/2016 02:21 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	3,005,600
Business Name:		**Assessed Value:**	3,005,600
Last Inspection:	05/16/2015 - Physical Inspection		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 2000203421 2818070636

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLO ED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD SEG F 0740

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214807

08/19/2016 02:21 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	3,005,600	3,005,600	2,290,500	715,100	0	0	06/23/2016
2015	2016	3,052,000	3,052,000	2,290,500	761,500	0	0	07/06/2015
2014	2015	2,529,200	2,529,200	1,869,700	659,500	0	0	06/27/2014
2013	2014	2,529,200	2,529,200	1,869,700	659,500	0	0	06/24/2013
2012	2013	2,521,000	2,521,000	1,869,700	651,300	0	0	06/22/2012
2011	2012	2,705,500	2,705,500	2,071,900	633,600	0	0	06/27/2011
2010	2011	2,930,900	2,930,900	2,173,000	757,900	0	0	06/21/2010
2009	2010	3,249,700	3,249,700	2,400,400	849,300	0	0	07/17/2009
2008	2009	3,353,800	3,353,800	2,526,700	827,100	0	0	09/19/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	42,567.26
	Weed Control Principal	2.12
	Fire Benefit Charge Principal	2,612.44
	Pierce Conservation District Principal	4.73
	Total 2016	**45,186.55**
2015	Property Tax Principal	36,051.02
	Weed Control Principal	2.12
	Fire Benefit Charge Principal	2,734.54
	Pierce Conservation District Principal	4.73
	Total 2015	**38,792.41**
2014	Property Tax Principal	35,416.41
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,613.18
	Pierce Conservation District Principal	4.74
	Total 2014	**38,036.25**
2013	Property Tax Principal	36,215.46
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,534.30
	Pierce Conservation District Principal	4.72
	Total 2013	**38,756.40**
2012	Property Tax Principal	34,563.47
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,098.00
	Pierce Conservation District Principal	5.00
	Total 2012	**36,668.39**
2011	Property Tax Principal	36,190.06
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2011	**38,230.94**

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965115	45,186.55
04/27/2016	8896169	0.00
10/27/2015	8479333	19,396.21
04/17/2015	8179564	19,396.20
10/23/2014	7874022	19,018.13
04/21/2014	7567912	19,018.12
10/17/2013	7260541	19,378.20
04/30/2013	7120627	19,378.20
10/19/2012	6674328	18,334.20
04/24/2012	6435119	18,334.19
01/11/2012	6281150	19,115.47
04/25/2011	5805192	19,115.47
10/29/2010	5593607	19,308.93
04/22/2010	5178555	19,308.92
10/29/2009	4996925	17,063.97
04/30/2009	4766156	17,063.96
11/03/2008	4476294	13,565.16
05/05/2008	4214816	13,565.15
10/19/2007	3710788	11,864.07

2010	Property Tax Principal	36,577.28
	Weed Control Principal	1.61
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2010	**38,617.85**
2009	Property Tax Principal	34,121.32
	Weed Control Principal	1.61
	Pierce Conservation District Principal	5.00
	Total 2009	**34,127.93**

05/04/2007	3609277	11,864.07
10/27/2006	3245918	8,573.24
04/24/2006	2905940	8,573.23
10/21/2005	2633459	8,284.90
04/22/2005	2389069	8,284.90
11/01/2004	2142200	7,655.49
05/05/2004	1898547	7,655.49

ULID Information

Click here for ULID information

Pierce County Assessor-Treasurer
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Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214807

08/19/2016 02:21 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Location:		Size	
LEA:	2052	**SF:**	120,788
RTSQQ:	04-20-21-43	**Acres:**	2.77
		Front Ft:	392

Amenities		Utilities	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214807

08/19/2016 02:22 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: **2 building(s) on this parcel**

1 2

General Characteristics

Property Type:	Commercial	**SF:**	12,882	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	21,681	**Total Bsmnt. SF:**	0
Quality:	Fair	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Showroom	1953	1986	5,800	1	n/a	n/a	n/a	Masonry	n/a	Package Unit	0	0
Office Building	1953	1986	3,962	1	n/a	n/a	n/a	Masonry	n/a	Package Unit	0	0
Service Garage	1953	1978	3,120	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	91,700
Add On	Canopies WD FR (Gd)	1,900
Basement	Storage	6,262

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214807

08/19/2016 02:22 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
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Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214808

08/19/2016 02:23 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	19,100
Business Name:		**Assessed Value:**	19,100
Last Inspection:	05/20/2015 - Physical Inspection		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 1200127008

Real parcel on which this parcel is located: n/a

Tax Description

Section 28 Township 20 Range 04 Quarter 11 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLOSED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD BLDG ONLY SEG F 0740

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Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214808

08/19/2016 02:23 PM

Property Details

Parcel Number:	0420214808
Site Address:	400 RIVER RD
Account Type:	Structures
Category:	Leased Land and/or Structure
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	19,100	19,100	0	19,100	0	0	06/23/2016
2015	2016	20,700	20,700	0	20,700	0	0	07/06/2015
2014	2015	7,700	7,700	0	7,700	0	0	06/27/2014
2013	2014	7,700	7,700	0	7,700	0	0	06/24/2013
2012	2013	7,900	7,900	0	7,900	0	0	06/22/2012
2011	2012	7,900	7,900	0	7,900	0	0	06/27/2011
2010	2011	8,400	8,400	0	8,400	0	0	06/21/2010
2009	2010	9,400	9,400	0	9,400	0	0	07/17/2009
2008	2009	9,500	9,500	0	9,500	0	0	06/13/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	288.71
	Fire Benefit Charge Principal	120.92
	Total 2016	**409.63**
2015	Property Tax Principal	109.75
	Fire Benefit Charge Principal	211.92
	Total 2015	**321.67**
2014	Property Tax Principal	107.82
	Fire Benefit Charge Principal	202.52
	Pierce Conservation District Principal	4.99
	Total 2014	**315.33**
2013	Property Tax Principal	113.49
	Fire Benefit Charge Principal	196.40
	Total 2013	**309.89**
2012	Property Tax Principal	100.92
	Fire Benefit Charge Principal	188.96
	Total 2012	**289.88**
2011	Property Tax Principal	103.72
	Property Tax Interest	1.03
	Property Tax Penalty	4.15
	Fire Benefit Charge Principal	183.18
	Fire Benefit Charge Interest	1.83
	Fire Benefit Charge Penalty	7.33
	Distraint Costs	5.00
	Total 2011	**306.24**
2010	Property Tax Principal	105.80
	Fire Benefit Charge Principal	183.18
	Total 2010	**288.98**
2009	Property Tax Principal	96.65
	Total 2009	**96.65**

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965115	409.63
04/27/2016	8896211	0.00
04/17/2015	8179565	321.67
10/23/2014	7874023	157.67
04/21/2014	7567913	157.66
10/17/2013	7260542	154.95
04/30/2013	7120628	154.94
10/19/2012	6674327	144.94
04/24/2012	6435118	144.94
12/14/2011	6277754	162.79
04/25/2011	5805191	143.45
10/29/2010	5593610	144.49
04/22/2010	5178576	144.49
10/29/2009	4996923	48.33
04/30/2009	4766157	48.32
11/03/2008	4476292	56.46
05/05/2008	4214815	56.46
10/19/2007	3710787	79.51
05/04/2007	3609342	79.51

10/27/2006	3245920	125.64
04/24/2006	2905970	125.64
10/21/2005	2633402	100.21
04/22/2005	2389068	100.20
11/01/2004	2142531	96.54
05/05/2004	1898551	96.53

ULID Information

Click here for ULID information

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214808

08/19/2016 02:24 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: 1

1 building(s) on this parcel

General Characteristics

Property Type:	Commercial	**SF:**	216	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	216	**Total Bsmnt. SF:**	0
Quality:	Low	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Office Building	1965	1978	216	1	n/a	n/a	n/a	Wood Frame	n/a	Electric	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	WD 100 Sq Ft	105
Basement	Storage	1,632

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214808

08/19/2016 02:24 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Sales

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ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

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Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214057

08/19/2016 02:27 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214057	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	XXX 4TH ST NW	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	378,200
Business Name:		**Assessed Value:**	378,200
Last Inspection:	05/18/2015 - Physical Inspection		

Related Parcels

Group Account Number:	434
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 28 Township 20 Range 04 Quarter 12 : TR OF LD IN SEC 21 & 28 DESC AS FOLL BEG AT SW COR OF PROP CYD TO BRUCE A MERCER POST #67 OF AMERICAN LEGION #1855113 TH E ALG S LI OF SD AMERICAN LEGION PROP 93.76 FT M/L TO PROP CYD TO LLOYD L GRAND #1653368 TH S ALG W LI OF SD GRANT PROP 172.57 FT M/L TO SW COR THEREOF TH S 72 DEG 27 MIN 20 SEC W TO INTER W LI OF ABOVE MENTIONED AMERICAN LEGION PROP EXTENDED S TH N ALG W LI OF SD AMERICAN LEGION PROP EXTENDED TO POB SUBJ TO EASE #1926238 OUT OF 4-106 SEG M-1294 GD JES

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Taxes / Values for 0420214057

08/19/2016 02:27 PM

Property Details

Parcel Number:	0420214057
Site Address:	XXX 4TH ST NW
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	378,200	378,200	338,300	39,900	0	0	06/23/2016
2015	2016	379,200	379,200	338,300	40,900	0	0	07/06/2015
2014	2015	301,800	301,800	276,200	25,600	0	0	06/27/2014
2013	2014	301,800	301,800	276,200	25,600	0	0	06/24/2013
2012	2013	300,900	300,900	276,200	24,700	0	0	06/22/2012
2011	2012	329,600	329,600	306,000	23,600	0	0	06/27/2011
2010	2011	346,400	346,400	321,000	25,400	0	0	06/21/2010
2009	2010	382,800	382,800	354,600	28,200	0	0	07/17/2009
2008	2009	400,000	400,000	373,200	26,800	0	0	06/13/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	5,288.84
	Weed Control Principal	1.70
	Fire Benefit Charge Principal	873.46
	Pierce Conservation District Principal	4.73
	Total 2016	**6,168.73**
2015	Property Tax Principal	4,301.83
	Weed Control Principal	1.70
	Fire Benefit Charge Principal	638.00
	Pierce Conservation District Principal	4.73
	Total 2015	**4,946.26**
2014	Property Tax Principal	4,226.11
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	609.68
	Pierce Conservation District Principal	4.74
	Total 2014	**4,842.17**
2013	Property Tax Principal	4,322.58
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	591.28
	Pierce Conservation District Principal	4.72
	Total 2013	**4,920.22**
2012	Property Tax Principal	4,210.72
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	568.84
	Pierce Conservation District Principal	5.00
	Total 2012	**4,786.20**
2011	Property Tax Principal	4,277.27
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	551.48
	Pierce Conservation District Principal	5.00
	Total 2011	**4,835.39**

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965111	6,168.73
04/27/2016	8896424	0.00
10/27/2015	8479384	2,473.13
04/17/2015	8179563	2,473.13
10/23/2014	7874021	2,421.09
04/21/2014	7567911	2,421.08
10/17/2013	7260540	2,460.11
04/30/2013	7120626	2,460.11
10/19/2012	6674329	2,393.10
04/24/2012	6435120	2,393.10
01/11/2012	6281152	2,417.70
04/25/2011	5805190	2,417.69
10/29/2010	5593609	2,433.26
04/22/2010	5178578	2,433.25
10/29/2009	4996924	2,037.98
04/30/2009	4766158	2,037.98
11/03/2008	4476939	1,567.87
05/05/2008	4214822	1,567.86
10/19/2007	3710786	1,328.83

2010	Property Tax Principal	4,308.64
	Weed Control Principal	1.39
	Fire Benefit Charge Principal	551.48
	Pierce Conservation District Principal	5.00
	Total 2010	**4,866.51**
2009	Property Tax Principal	4,069.57
	Weed Control Principal	1.39
	Pierce Conservation District Principal	5.00
	Total 2009	**4,075.96**

05/04/2007	3609336	1,328.82
10/27/2006	3245919	662.62
04/24/2006	2905957	662.61
10/21/2005	2633460	706.07
04/22/2005	2388770	706.06
11/01/2004	2142530	633.82
05/05/2004	1898550	633.81

ULID Information

Click here for ULID information

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214057

08/19/2016 02:27 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214057	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	XXX 4TH ST NW	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Location:		Size	
LEA:	2052	**SF:**	17,841
RTSQQ:	04-20-28-12	**Acres:**	0.41
		Front Ft:	0

Amenities		Utilities	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214057

08/19/2016 02:28 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214057	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	XXX 4TH ST NW	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: 1

1 building(s) on this parcel

General Characteristics

Property Type:	Commercial	**SF:**	3,680	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	3,680	**Total Bsmnt. SF:**	0
Quality:	Low	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	Auto Related	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Service Garage	1966	1978	3,680	1	n/a	n/a	n/a	Wood Frame	n/a	Space Heater	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	11,000
Add On	Concrete (Reinforced) (1,000 - 3000 Sq Ft)	700

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214057

08/19/2016 02:28 PM

Property Details	
Parcel Number:	0420214057
Site Address:	XXX 4TH ST NW
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details	
Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

April 25, 2011

Mr. Don Fleming
NW Motorsport
400 River Road
Puyallup, Washington 98371

Re: Focused Phase II Subsurface Investigation
NW Motorsport Property
400 River Road
Puyallup, Washington
RGI Project #T2011-022

Dear Mr. Fleming:

This letter report summarizes The Riley Group, Inc.'s (RGI's) Focused Phase II Subsurface Investigation (Phase II) findings for the NW Motorsport property located at 400 River Road in Puyallup, Washington (Figure 1).

The Focused Phase II investigation was performed at the request of Mr. Don Fleming and authorized by Ms. Nikki Bley, of NW Motorsport (Client). The scope of work for this project was performed in accordance with our *Focused Phase II Subsurface Investigation Proposal* dated March 30, 2011.

SCOPE OF SERVICES

The scope of services performed for this project included the following tasks:

- Performed public and private utility locating in an attempt to locate privately owned metallic utilities (such as water, electric, etc) and clear the proposed boring location.
- Advanced one direct-push test probe at the Site to a total maximum depth of 12 feet below ground surface (bgs).
- Collected soil samples from the test probe location for laboratory analysis of potential contaminants of concern.
- Groundwater was encountered in and collected from the test probe advanced at the Site.
- Compared analytical results to the routine Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Use and MTCA Method A Cleanup Levels for Groundwater (WAC 173-340).
- Prepared this letter report presenting our findings, observations and conclusions.

PROJECT BACKGROUND

A Phase I Environmental Site Assessment (ESA) was recently completed for the Site by Adapt Engineering, Inc. (Adapt). According to its Phase I ESA, previous investigations had been performed at the Site. The reader is referred to Adapt's report for the complete details of the previous onsite investigations. Based on its Phase I ESA findings, the feed line to the onsite oil/water separator was thought to have been disconnected and, therefore, represented a possible risk to soil and/or groundwater quality of the Site. Although it was later determined that the aboveground oil/water separator was still connected, a limited Phase II Subsurface Investigation was recommended by Adapt in the vicinity of the unit.

On April 6, 2011, the Client authorized RGI to perform this Focused Phase II Subsurface Investigation.

REGULATORY ANALYSIS OF SITE CONDITIONS UNDER MODEL TOXICS CONTROL ACT (MTCA)

Washington's hazardous release cleanup law, the Model Toxics Control Act (RCW 70.105D) mandates that site cleanups protect human health and the environment. The MTCA Cleanup Regulation (WAC173-340) defines the approach for establishing cleanup requirements for individual sites, including the establishment of cleanup standards and selection of cleanup actions.

The MTCA regulation provides three options for establishing generic and site-specific cleanup levels for soil and groundwater. Method A cleanup levels have been adopted for specific purposes and are intended to provide conservative cleanup levels for sites undergoing routine site characterization or cleanup actions or those sites with relatively few hazardous substances. Method B and C cleanup levels are set using a site risk assessment, which focus on the use of "reasonable maximum exposure" assumptions based on site-specific characteristics and toxicity of the contaminants of concern.

For purposes of comparison, analytical laboratory data for this project are compared to the MTCA Method A Soil Cleanup Levels for Unrestricted Land Use (considered protective of drinking water) and the MTCA Method A Cleanup Levels for Groundwater.

FOCUSED PHASE II SUBSURFACE INVESTIGATION

On April 11, 2011, RGI advanced test probe SP1 to a total depth of 12 feet bgs (Figure 2). The test probe was located immediately adjacent to and inferred downgradient of the onsite, aboveground oil/water separator.

The test probe was advanced using a truck-mounted direct push probe rig owned and operated by Pacific Northwest Probe and Drilling, Inc. under subcontract to RGI. All probing and sampling equipment were cleaned prior to commencing probing and in between sampling locations. All field sampling and decontamination procedures were performed in accordance with RGI's standard sampling and decontamination protocols.

All soil cuttings and purge and decontamination water were contained on the Site in a 30-gallon drum. Disposal of the drum is not included in the scope of work.

Soil Sampling

During drilling activities, soil samples were collected, inspected, and classified by RGI's field personnel. Soil conditions encountered were described using the Unified Soil Classification System (USCS). Soils beneath the Site generally consisted of poorly graded, silty, fine to medium sand to the maximum depth explored (12 feet bgs). Gravel was also noted at approximately 12 feet bgs. The loose sands resulted in no recovery from four to eight feet bgs and limited recovery from 10 to 12 feet bgs.

A total of two discrete soil samples were collected during this project; at the three- to four-foot and 10- to 12-foot depth intervals. Due to a photoionization detector (PID) malfunction, soil samples were not screened in the field for the presence of volatile organic compounds (VOCs). Since the indicator contaminant of concern is oil, a standard water sheen test was considered sufficient. No suspect sheen, visual staining, or suspect odors were noted in the collected soil samples.

Based on our field observations, the shallowest soil sample (collected from three to four feet bgs) was submitted for laboratory analyses of potential contaminants of concern, listed below. Samples collected for analysis of volatile compounds were collected using the Ecology-mandated 5035 sample collection method.

Groundwater Sampling

Shallow groundwater was encountered in the test probe at approximately 10 to 11 feet bgs. Groundwater was purged until visually clear. No suspect sheen was noted in the purge water. A groundwater grab sample was collected from the test probe following purging and submitted for laboratory analysis of select contaminants of concern listed below.

Analytical Laboratory Analysis

Soil and groundwater grab samples collected during this project were submitted to Libby Environmental, Inc. of Olympia, Washington, for one or more of the following laboratory analyses:

- Gasoline-range total petroleum hydrocarbons (TPH) using Ecology Method NWTPH-G.
- Diesel- and oil-range TPH using Ecology Method NWTPH-Dx.
- Benzene, toluene, ethylbenzene and total xylenes (BTEX) via EPA Method 8260c.
- Volatile organic compounds (VOCs) via EPA Method 8260c.

Laboratory Analytical Results

Analytical results and field screening data, summarized in the attached Figure 2, are discussed below. Copies of the analytical laboratory report and associated sample chain-of-custody forms are included in Appendix A.

No gasoline-, diesel- or oil-range TPHs or VOCs (BTEX and/or chlorinated solvents) were detected in the soil or groundwater samples submitted from the Site.

CONCLUSIONS AND RECOMMENDATIONS

Based on our subsurface investigation findings, soil and groundwater intercepted in the test probe advanced at the Site are in full compliance with MTCA. No additional investigation is recommended at this time.

LIMITATIONS

This report is the property of The Riley Group, Inc., NW Motorsport, US Bank, and their authorized representatives or affiliates and was prepared in a manner consistent with the level of skill and care ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions. This report is intended for specific application to the NW Motorsport property located at 400 River Road, Puyallup, Washington. No other warranty, expressed or implied, is made.

The analyses and recommendations presented in this report are based upon data obtained from our review of available information at the time of preparing this report, our test pits excavated or test borings drilled on-site, or other noted data sources. Conditional changes may occur through time by natural or man-made process on this or adjacent properties. Additional changes may occur in legislative standards, which may or may not be applicable to this report. These changes, beyond RGI's control, may render this report invalid, partially or wholly. If variations appear evident, The Riley Group, Inc. should be requested to reevaluate the recommendations in this report.

We trust that this letter report meets your current project needs and appreciate the opportunity to be of service. Please contact us at (253) 565-0552, or by email at lsmith@riley-group.com, if you have any questions or need additional information.

Sincerely,

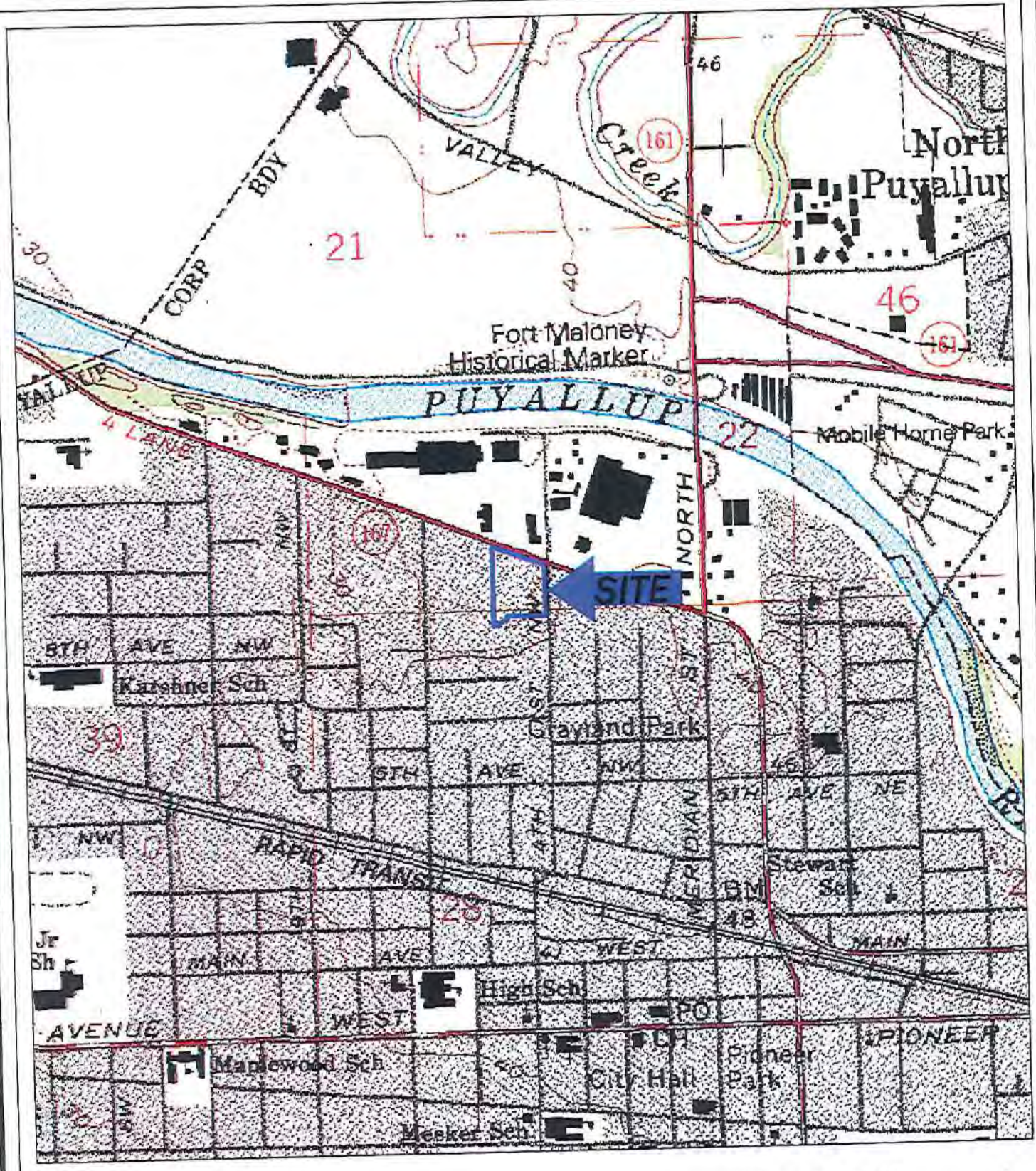
THE RILEY GROUP, INC.

Lannie Smith, CHMM
Senior Project Manager

Elizabeth Uchison, L.G., L.H.G.
Senior Hydrogeologist

Attachments *Figure 1 – Site Vicinity Map*
Figure 2 – Site Plan
Appendix A – Analytical Laboratory Report & Chain of Custody

Report Distribution *Mr. Don Fleming, NW Motorsport (two bound copies and electronic PDF)*
Mr. Albert Kim, US Bank (electronic PDF)

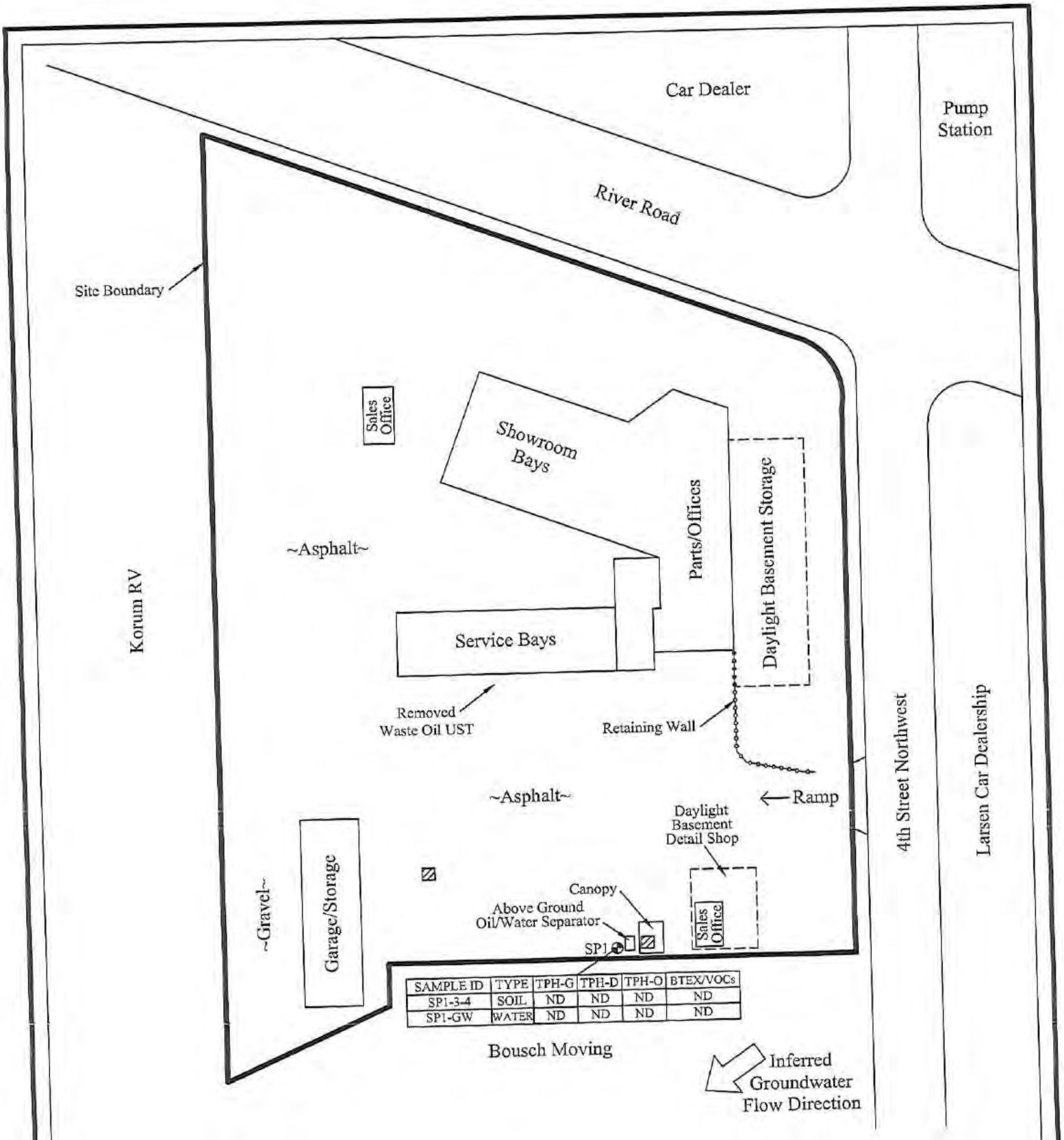


USGS, 1994, Puyallup, Washington
7.5-Minute Quadrangle

Approximate Scale: 1"=1000'
0 500 1000 2000
N

The Riley Group, Inc.
711 St. Helens Avenue, Suite 204
Tacoma, Washington 98402
Phone: 253.565.0552 ♦ Fax: 253.460.2981

NW Motorsport Property		Figure 1
RGI Project Number T2011-022	Site Vicinity Map	Date Drawn: 04/2011
Address: 400 River Road, Puyallup, Washington 98371		



SAMPLE ID	TYPE	TPH-G	TPH-D	TPH-O	BTEX/VOCs
SP1-3-4	SOIL	ND	ND	ND	ND
SP1-GW	WATER	ND	ND	ND	ND

◓ = Test Probe Location

▨ = Surface Drain

Note: Based on figure by Adapt Engineering, Inc.

Approximate Scale: 1"=80'

0 40 80 160

N

The Riley Group, Inc. 711 St. Helens Avenue, Suite 204 Tacoma, Washington 98402 Phone: 253.565.0552 ♦ Fax: 253.460.2981	NW Motorsport Property	Figure 2
	RGI Project Number T2011-022	Site Plan Date Drawn: 04/2011
	Address: 400 River Road, Puyallup, Washington 98371	

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (ug/l)	Mineral Oil (ug/l)	Oil (ug/l)
Method Blank	4/12/11	101	nd	nd	nd
SP1-G	4/12/11	80	nd	nd	nd
Practical Quantitation Limit			200	400	400

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	4/12/11	100	nd	nd	nd
SP1-3-4	4/12/11	101	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

Analyses of Gasoline (NWTPH-Gx) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (ug/l)
Method Blank	4/14/11	98	nd
SP1-G	4/14/11	98	nd
Practical Quantitation Limit			100

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		Method Blank	SP1-GW
Date Sampled	Reporting	N/A	4/12/11
Date Analyzed	Limits (ug/l)	4/14/11 (ug/l)	4/14/11 (ug/l)
Bromoform	1.0	nd	nd
Isopropylbenzene	4.0	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd
Bromobenzene	1.0	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd
n-Propylbenzene	1.0	nd	nd
2-Chlorotoluene	1.0	nd	nd
4-Chlorotoluene	1.0	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd
tert-Butylbenzene	1.0	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd
sec-Butylbenzene	1.0	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd
Isopropyltoluene	1.0	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd
n-Butylbenzene	1.0	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd
1,2,4-Trichlorolbenzene	2.0	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd
Naphthalene	5.0	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd
Surrogate Recovery			
Dibromofluoromethane		112	104
1,2-Dichloroethane-d4		95.4	85.9
Toluene-d8		98.1	98.1
4-Bromofluorobenzene		106	104

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

QA/QC Data - EPA 8260C Analyses

	Sample Identification: L110413-2						
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	
1,1-Dichloroethene	10	8.7	87	10	9.1	91	4.5
Benzene	10	7.8	78	10	9.1	91	15.4
Toluene	10	9.0	90	10	10.1	101	11.5
Chlorobenzene	10	10.2	102	10	11.8	118	14.5
Trichloroethene (TCE)	10	8.0	80	10	9.1	91	12.9
Surrogate Recovery							
Dibromofluoromethane			109			101	
1,2-Dichloroethane-d4			78.6			87.5	
Toluene-d8			95.8			95.1	
4-Bromofluorobenzene			98.7			108	

	Laboratory Control Sample		
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	11.6	116
Benzene	10	9.0	90
Toluene	10	10.5	105
Chlorobenzene	10	11.4	114
Trichloroethene (TCE)	10	9.0	90
Surrogate Recovery			
Dibromofluoromethane			109
1,2-Dichloroethane-d4			88.3
Toluene-d8			100
4-Bromofluorobenzene			107

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

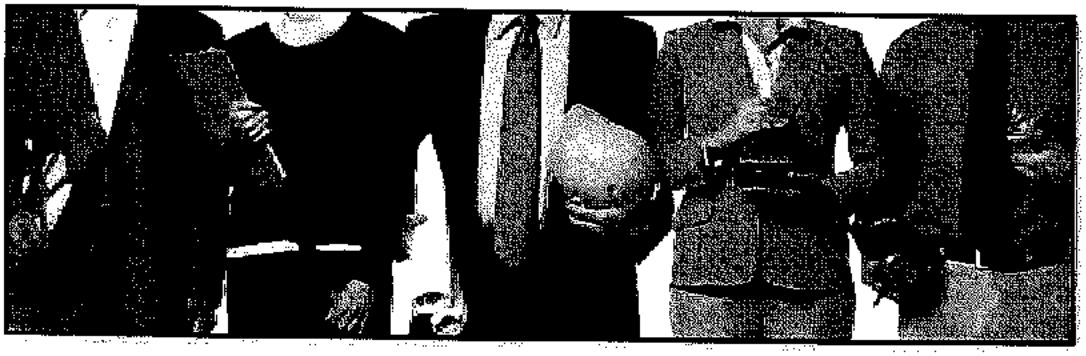
ANALYSES PERFORMED BY: Sherry Chilcutt

PARTNER
Engineering and Science, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

K&A HOLDINGS, LLC
400 River Road
Puyallup, Washington 98371

November 7, 2013
Partner Project No. 13-111058.1
RIMS Project No. 13-011142-01-3



Prepared for

STERLING BANK
111 North Wall Street, 2nd Floor
Spokane, WA 99201

PARTNER
Engineering and Science, Inc.

November 7, 2013

Mr. Michael Pereira, CHMM
Sterling Bank
111 North Wall Street, 2nd Floor
Spokane, WA 99201

Subject: Phase I Environmental Site Assessment
400 River Road
Puyallup, Washington 98371
Partner Project No. 13-111058.1

Dear Mr. Pereira:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to Sterling Bank. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 765-7242.

Sincerely,

Arcie Propster

Arcie Propster
Principal

2154 Torrance Blvd., Suite 200, Torrance, CA 90501 ◊ Phone 800-419-4923 ◊ Fax 866-928-7418

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-05, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Sterling Bank for the property located at 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Sterling Bank with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located at the southwest quadrant of the intersection of River Road (SR167) and 4th Street NW in Puyallup, Pierce County, Washington. Please refer to the table below for further description of the subject property:

Address:	400 River Road
Assessor's Parcel Number (APN):	0420214014, 0420214057, 0420214807 & 0420214808
Nature of Use:	Commercial-Full Service Automotive Dealership
Number of Buildings:	5
Number of Floors:	1
Type of Construction:	CMU Main Building CMU/Wood Frame Salesman's Hut Wood Frame Salesman's Hut CMU Service Garage Wood Frame Detail Shop
Building Square Footage (SF):	12,611 SF Main Building 4,160 SF Service Shop 2,720 SF Detail Shop 721 SF Salesman's Hut 329 SF Salesman's Hut
Land Acreage (Ac):	3.30 Ac Cumulative
Date of Construction:	Main Building-1953 Service Shop-1961 Salesman's Huts-1965 Detail Shop-1966
Current Tenants:	Northwest Motorsports

The subject property is currently occupied by Northwest Motorsports for use as a full service automotive dealership. Onsite operations consist of new automobile sales and full automotive maintenance, customization, repair and detailing activities. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas.

According to available historical sources, the subject property was vacant land from as early as 1939 to circa 1953, when the subject property was first improved with an automotive dealership. The subject property has since been occupied by various automotive dealerships.

The subject property is bound to the north by River Road (SR167), beyond which is an abandoned commercial property (401 River Road- formerly an automotive dealership known as Puyallup Chrysler/Plymouth and R/V); to the south by a commercial property (820 4th Street-Boush Moving & Storage); to the east by 4th Street NW, beyond which is an automotive dealership (Larson Motors-300 River Road); and to the west by a commercial automotive dealership (Milam Truck Country-500 River Road).

According to well logs for the subject property address that were submitted to the Washington Department of Ecology (WADOE) in April of 2011, the depth of groundwater at the subject property is present at approximately 18-feet below ground surface (bgs) and based on topography, is inferred to flow to the north, towards the Puyallup River.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term REC includes hazardous substances and petroleum products even under conditions that might be in compliance with laws. The term is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment and that would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies. The following was identified during the course of this assessment:

- Partner observed evidence of former in-ground hydraulic lifts in the current above ground service bays as evidenced by circular cut-outs and concrete patches indicative of in-ground lift cylinders. The lifts were reportedly installed in the 1950s and removed in 1987. To address subsurface environmental conditions related to the former hydraulic lifts, a Phase II Environmental Site Assessment investigation was performed by Encore Environmental Consortium, LLC (EEC) in 2003. The subsurface investigation included the advancement of eleven borings identified as *the locations of former-in ground hydraulic lifts in the service bays*. However, review of the laboratory analysis from this report indicated that soils collected from the service bays were only analyzed for diesel and gas range petroleum hydrocarbons. The testing did not include analysis of polychlorinated biphenyls (PCBs), which is a target chemical of concern associated with older hydraulic lifts. Therefore, it is Partner's opinion that the 2003 investigation was not sufficient to determine the absence or

presence of PCB contamination in soils from the areas of the former in-ground lifts. Based on the potential for PCB-containing hydraulic fluid within the lifts to have impacted the subsurface and on the lack of any documented sampling conducted after removal of the lifts which targeted PCBs as a contaminant, specifically, the former presence of in-ground lifts onsite is a Recognized Environmental Condition.

- According to previous environmental reports prepared in 2003, the southern-most auto service bay area housed one active in-ground hydraulic lift which contained hydraulic fluid in a reservoir within the lift. The previous consultant recommended that the lift be drained and decommissioned in accordance with applicable regulatory requirements to prevent potential future releases. The reported lift was not observed during Partner's site reconnaissance, and no information pertaining to the status of the lift was found during Partner's assessment. Therefore, it is unclear whether the lift was properly removed and/or subsurface sampling was conducted. Based on this information, the former in-ground lift represents a REC.

A *historical recognized environmental condition (HREC)* refers to an environmental condition which would have been considered a REC in the past, but which is no longer considered a REC based on subsequent assessment or regulatory closure. The following was identified during the course of this assessment:

- The subject property was historically equipped with four underground storage tanks (USTs): one gasoline tank, one heating oil tank and two waste oil tanks. Three of the tanks have been closed and removed, and one has been closed in-place. Based on the documented removal and/or closure of the tanks, the subsequent analytical results and soil remediation, and the regulatory closure, the former USTs and associated onsite contamination are considered a historic recognized environmental condition.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, require discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that ACMs and/or LBP are present. Overall, all suspect ACMs and painted surfaces were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. A few ceiling tiles, however, were noted during the inspection to be broken, chipped, and/or have signs of water damage. Should the ceiling tiles (or their glue dots) be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

- A previous subsurface investigation was performed in the area of the existing oil/water separator in 2011 to evaluate the site for potential subsurface impacts related to auto repair operations. Analytical results of the investigation revealed no constituents of concern were detected in soil or groundwater samples collected near the oil/water separator. Based on the

results, the presence of the oil/water separator is not a concern at this time. However, the oil/water separator continues to be used by the current tenant. The user should be aware that environmental risks associated with use of the oil/water separator in connection with auto repair activities increases over time.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05 of 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). Any exceptions to or deletions from this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- A limited subsurface investigation should be conducted in order to determine the presence or absence of PCB contamination in the areas of the former in-ground lifts.
- Obtain and review records pertaining to removal/decommissioning activities of the active in-ground lift.
- Periodic maintenance of the existing oil/water separator to prevent future releases.

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APPENDICES

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-05 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E-1527-05) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E-1527-05 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E 1527-05. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Sterling Bank engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Sterling Bank. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and

hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-05.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.

- Information relative to deed restrictions, environmental liens, and a title search from the Report User was not provided at the time of the assessment. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.

- Partner submitted Freedom of Information Act (FOIA) requests to the Pierce County Health Department (PCHD) and Washington Department of Environmental Quality (WADOE) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property. As of this writing, these agencies have not responded to Partner's request. Based on information obtained from the WADOE online database and from other historical sources, this limitation is not expected to alter the overall findings of this assessment.

- Partner's view of the ground surface was obstructed by parked cars in several areas throughout the subject property. Based on previous subsurface investigations provided to Partner for review, this limitation is not expected to alter the overall findings of this assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property is located at the southwest quadrant of the intersection of River Road (SR167) and 4th Street NW in Puyallup, Pierce County, Washington. Please refer to the table below for further description of the subject property:

Address:	400 River Road
Assessor's Parcel Number (APN):	0420214014, 0420214057, 0420214807 & 0420214808
Nature of Use:	Commercial-Full Service Automotive Dealership
Number of Buildings:	5
Number of Floors:	1
Type of Construction:	CMU Main Building CMU/Wood Frame Salesman's Hut Wood Frame Salesman's Hut CMU Service Garage Wood Frame Detail Shop
Building Square Footage (SF):	12,611 SF Main Building 4,160 SF Service Shop 2,720 SF Detail Shop 721 SF Salesman's Hut 329 SF Salesman's Hut
Land Acreage (Ac):	3.30 Ac Cumulative
Date of Construction:	Main Building-1953 Service Shop-1961 Salesman's Huts-1965 Detail Shop-1966
Current Tenants:	Northwest Motorsports

In addition to the current structures, the subject property is also improved with asphalt-paved parking areas.

According to the Pierce County Assessor, the subject property is legally described as community parcels 0420214014, 0420214057, 0420214807 & 0420214808 and ownership is currently vested in K&A Holdings, LLC. A complete legal description for each of the four parcels is included in the Pierce County Assessor's property cards, which are included in Appendix B.

Please refer to Figure 1: Site Location Map, Figure 2: Topographic Map, Figure 3: Site Plan and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by Northwest Motorsports for commercial use. Onsite operations consist of new automobile sales and full automotive maintenance, customization, repair and detailing activities

The subject property is designated for commercial development by the City of Puyallup and is considered a legal use in its current configuration.

The subject property was identified as an ALLSITES, RCRA Non-Gen, UST and FINDS site in the regulatory database report of Section 4.2.

2.3 Current Use of Adjoining Properties

The subject property is located within a mixed commercial area of Puyallup, Washington. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately surrounding properties

North:	The subject property is bound to the north by River Road (SR167). Land area to the north of River Road supports an abandoned commercial property (401 River Road) formerly an automotive dealership known as Puyallup Chrysler/Plymouth).
South:	The subject property is bound to the south by a commercial property (820 4th Street-Boush Moving & Storage).
East:	The subject property is bound to the east by 4th Street NW. Land area to the east of the street supports an automotive dealership (Larson Motors-300 River Road).
West:	The subject property is bound to the west by land area that supports a commercial automotive dealership (Milam Truck Country-500 River Road).

Adjacent properties located in each direction from the subject property were identified in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS), *Puyallup, Washington* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 34-feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the north. The subject property is shaded to represent urban land area.

Please refer to Figure 2: Topographic Map.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the north. The nearest surface water in the vicinity of the subject property is the Puyallup River located approximately 850-feet to the north of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Puyallup Department of Public Works and Engineering serves the subject property vicinity. According to a representative of the department, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. According to the department's 2012 Water Quality Report (WQR), the City of Puyallup obtains its drinking water from two natural springs (Maplewood Springs and Salmon Springs), from five deep wells and from the City of Tacoma.

According to well logs for the subject property address that were submitted to the Washington Department of Ecology (WADOE) in April of 2011, the depth of groundwater at the subject property is present at approximately 18-feet below ground surface (bgs).

2.4.3 Geology/Soils

Information concerning the geology of the Subject Property was obtained from the USGS Map of the Physical Divisions of the United States (1946). The Subject Property is located within the Pugent Trough section of the Pacific Border physiographic province, which consists of partially submerged lowlands with diverse character.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Pilchuck fine sand, Puyallup fine sandy loam and Xerorthents fill areas. The Pilchuck series consists of very deep, excessively drained and somewhat excessively drained soils that formed in gravelly and sandy alluvium. Pilchuck soils are on flood plains. The Puyallup series consists of very deep, well drained soils formed in recent alluvium. Puyallup soils are on floodplains and low terraces.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 5301440005B, dated August 15, 1980, the central and west portions of the subject property appear to be located in Zone AO, which is defined by FEMA as an area that is subject to a one percent or greater annual chance of shallow flooding in any given year. Flooding is usually in the form of sheet flow with average depths between one and three feet.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information

Period/Date	Source	Description/Use
1939-1952	Aerial Photographs, City Directories	Undeveloped
1953-Present	Aerial Photographs, City Directories, Building Records, Interviews, Previous Reports, Historic Topographic Maps, Onsite observations	Commercial-Automotive Dealership

Potential environmental concerns were identified in association with the current and historic use of the subject property, as further discussed in Sections 4.0, 5.2, and 6.0.

3.1 Aerial Photograph Review

On October 21, 2013, Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR). The aerial photographs were reviewed for indications of previous uses, as discussed below:

Date: 1941 **Scale:** 1"=750'

The subject property appears to be undeveloped land.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to support pastureland and woodland. 4th Street is depicted to the east of the subject property. Land area to the east of the street appears to support woodland and pastureland. Land area to the south of the subject property appears to support woodland vegetation and a small building that is similar in size and shape to a single-family residence. Land area to the west of the subject property appears to support pastureland.

Date: 1957 **Scale:** 1"=500'

The central portion of the subject property appears to be developed with a building or foundation that is similar in size and orientation to the present day main building. Areas of the subject property to the north and to the south of the building appear to be graded or paved.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to support pastureland and woodland. 4th Street is depicted to the east of the subject property. Land area to the east of the street appears to support woodland and pastureland. Land area to the south of the subject property appears to support woodland vegetation and a small building. Land area to the west of the subject property appears to support pastureland.

Date: 1968 **Scale:** 1"=750'

The central portion of the subject property appears to be developed with two buildings that are similar in size and orientation to the present day main building and service garage.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to be graded for commercial development. 4th Street is depicted to the east of the subject property. Land area to the east of the street appears to support paved parking lots and at least two commercial buildings. Land area to the south of the subject property appears to support at least two commercial buildings. Land area to the west of the subject property appears to support paved parking and a small commercial building.

Date: 1972, 1986 **Scale:** 1"=1,000'

The subject property generally appears to have been developed in a manner that is consistent with the conditions that were observed on the day of the site visit. The scale and clarity 1972 and 1986 aerial photography is of low quality and inhibits detailed analysis of the site structures.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to have been developed in a manner that is consistent with the conditions observed on the day of the site visit. Land areas to the east and to the west of the subject property appear to support commercial developments that are consistent with the conditions observed on the day of the site visit. Land area to the south of the subject property is depicted as developed with commercial buildings and paved parking. The scale and clarity 1972 and 1986 aerial photography is of low quality and inhibits detailed analysis of the off-site structures.

Date: 1990, 1991 **Scale:** 1"=500'

The subject property generally appears to have been developed in a manner that is consistent with the conditions that were observed on the day of the site visit.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to have been developed in a manner that is consistent with the conditions observed on the day of the site visit. Land areas to the east and to the west of the subject property appear to support commercial developments that are consistent with the conditions observed on the day of the site visit. Land area to the south of the subject property is depicted as developed with commercial buildings and paved parking.

Date: 2006, 2009, 2011 **Scale:** 1"=500'

The subject property appears to have been developed in a manner that is consistent with the conditions that were observed on the day of the site visit.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to have been developed in a manner that is consistent with the conditions observed on the day of the site visit. Land areas to the east and to the west of the subject property appear to support commercial developments that are consistent with the conditions observed on the day of the site visit. Land area to the south of the subject property is depicted as developed with commercial buildings and paved parking

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Sanborn Fire Insurance Maps

Sanborn maps were originally created in the late 1800s and early 1900s for assessing fire insurance liability in urbanized areas of the United States. These maps include detailed town and building information.

Partner reviewed Sanborn Fire insurance maps obtained from EDR's collection on November 4, 2013. Sanborn maps dated 1927, 1945 and 1964 were examined. None of the maps that were reviewed provided coverage of the subject property or immediately surrounding properties. The maps depicted development in the form of residential dwellings, beginning approximately 250-feet to the south of the subject property, along the east and west sides of 4th Street NW. No commercial development is depicted in the coverage area.

Copies of reviewed Sanborn Maps are included in Appendix B of this report.

3.3 City Directories

City directories have been produced for most urban and some rural areas since the late 1800s. The directories are generally not comprehensive and may contain gaps in time periods.

Partner reviewed historical city directories obtained from the City of Tacoma Public Library for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 400 River Road (Subject Property)

Year(s)	Occupant Listed
1939	No Listing
1947	No Listing
1953-54	Grant's Auto Sales and Service
1961	Grant's Oldsmobile
1965	Grant's Chevrolet
1970	Grant's Service Chevrolet
1975	Service Chevrolet, Inc.
1980-81	Service Chevrolet, Inc.
1985	Service Chevrolet, Inc.
1990	Ken Parks Chevrolet-Subaru
2003	Carter's Puyallup Chevrolet

According to the city directory review, the subject property was occupied by Grant's Auto Sales and Service in 1954, later becoming Grant's Oldsmobile by approximately 1961 and Grant's Chevrolet by approximately 1969. By approximately 1975, the subject property was occupied by Service Chevrolet, Inc. By approximately 1990, the subject property was occupied by Ken Parks Chevrolet and by 2003 was occupied by Carter's Puyallup Chevrolet. The former Greg Carter's Chevrolet is identified in the regulatory database as a RCRA Non Generator and UST site and is cross referenced in the FINDS and ALLSITES databases as discussed in Section 4.2.

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
1939	North: 401 River Road-No Listing, South: 820 4th Street-Martin B. Baskovitch East: 300 River Road- No Listing, West: 500 River Road-No Listing
1947	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, West: 500 River Road-No Listing
1953-54	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, West: 500 River Road-No Listing (515 Residence)
1961	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, West: 500 River Road-No Listing
1965	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, 315 River Road-First Union National Bank, West: 500 River Road-No Listing, 506 River Road-USDA
1970	North: 401 River Road-Puyallup Chrysler, South: 820 4th Street-Boush Moving & Storage East: 300 River Road-Larson Motors Inc., West: 500 River Road-No Listing, 506 River Road-USDA
1975	North: 401 River Road- Puyallup Chrysler, South: 820 4th Street- Boush Moving & Storage, East: 300 River Road-Larson Motors Inc., 324 River Road-River Road Gulf Station, 315 River Road-Peugeot Sound National Bank, West: 500 River Road-No Listing, 506 River Road-USDA
1980-81	North: 401 River Road-Moceri Leasing Inc., South: 820 4th Street-Moving & Storage East: 300 River Road-Larson Motors, West: 500 River Road-No Listing
1985	North: 401 River Road-Moceri Leasing Inc., South: 820 4th Street-Bouch Moving & Storage, East: 300 River Road-Larson Motors, West: 500 River Road-No Listing
1990	North: 401 River Road-Moceri Leasing Inc., South: 820 4th Street- Boush Moving & Storage, East: 300 River Road-Larson Motors, West: 500 River Road-Korum RV

According to the city directory review, the adjacent property to the east has been occupied a commercial automotive dealership since at least 1970. Land area to the northeast of the subject property, across the 4th Street and River Road intersection, was occupied by River Road Golf Gasoline Service Station in approximately 1975. The gas station listing was no longer apparent by 1980-81. Based on the inferred direction of groundwater flow (hydrologically cross- to down-gradient) of the subject property, this former gas station is not expected to be a significant environmental concern for the subject property. A commercial moving and storage facility has occupied the south adjacent property since at least 1970.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from the United Stated Geological Survey's online collection on October 31, 2013. Topographic maps were available and reviewed for the years 1961, 1968, 1973. 1981, 1994 and 1997 as discussed below:

Date: 1961

The subject property appears to support a commercial building that is similar in orientation the main building currently located on the subject property.

River Road is depicted to the north of the subject property. Land area to the north of the road is shaded to represent woodland area. Land area to the south of the subject property is shaded to represent urban land use. 4th Street is depicted to the east of the subject property. Land area to the east of the street is shaded to represent woodland area. Land area to the west of the subject property is shaded to represent woodland area.

Date: 1968 and 1973

The subject property appears to support three buildings.

River Road is depicted to the north of the subject property. Land area to the north of the road appears to support one building. Land area to the south of the subject property appears to support one building. 4th Street is depicted to the east of the subject property. Land area to the east of the subject property appears to support two buildings. Land area to the west of the subject property appears to support four buildings.

Date: 1981

The subject property appears to support five buildings.

River Road is depicted to the north of the subject property. Land area to the north of the road appears to support two buildings. Land area to the south of the subject property appears to support three buildings. 4th Street is depicted to the east of the subject property. Land area to the east of the subject property appears to support three buildings. Land area to the west of the subject property appears to support four buildings.

Date: 1994 and 1997

The subject property is shaded to represent urban land use. There are no buildings depicted on the subject property.

River Road is depicted to the north of the subject property. Land area to the north of the road appears to support two buildings. Land area to the south, to the east and to the west of the subject property is shaded to represent urban land use. There are no buildings depicted on these adjoining properties.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or historic hazardous materials usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-05, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

4.1.1 State Department

Partner requested records from the Washington Department of Ecology (WADOE) on October 25, 2013 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of underground storage tanks (USTs).

As of the date of this report, Partner has not received a response from the WADOE for inclusion in this report.

4.1.2 Health Department

Partner requested records from the Pierce County Health Department (PCHD) on October 25, 2013 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of USTs.

As of the date of this report, Partner has not received a response from the PCHD for inclusion in this report.

4.1.3 Fire Department

Partner requested records from the Puyallup Fire Department (PFD), Fire District No. 9 on October 25, 2013 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of USTs.

Partner received a response from Mrs. Amy Jackson of the Central Pierce Fire & Rescue Prevention and Education Division on November 5, 2013. Mrs. Jackson stated that she had no fire incident records or any hazardous material use/storage permits of file for the subject property address.

4.1.4 Air Quality Management District

The State of Washington does not maintain an Air Quality Management District. These records are maintained by the Washington Department of Ecology (WADOE).

WADOE Air Quality records identified the subject property as Facility/Site No. 68989278 and listed the occupants as Friendly Chevrolet of Puyallup, Friendly Chevrolet, Puyallup Chevrolet-Geo-Subaru, Inc. and Greg Carter's Puyallup Chevrolet-Subaru.

No PTOs, NOVs, NTCs or the presence of AULs were on file for the subject property address within the WADOE Air Quality Records. The agencies records cross-referenced the subject property address to the WADOE HAZWASTE program file No. WAD988484598 and to the WADOE UST program file No. 97772. Neither of these case files was fully accessible through the WADOE Air Quality Records Database or local WADOE office. However, available information indicated that the subject property had three closed underground storage tanks (one gasoline tank, one heating oil tank and one waste oil tank).

4.1.5 Regional Water Quality Control Board

The State of Washington does not maintain a Regional Water Quality Control Board. These records are maintained by the Washington Department of Ecology (WADOE). Partner researched the WADOE online database on October 29, 2013 for information regarding any releases to the subsurface which may have impacted or threatened a body of water.

No records regarding a release or the presence of AULs on the subject property were on file within the WADOE water quality database.

4.1.6 Building Department

Partner visited the Puyallup Building Department (PBD) on October 24, 2013 for information regarding historical tenants and property use of the subject property. The following table contains a listing of permits reviewed:

Building Records Reviewed for 400 River Road (Subject Property)

Year(s)	Owner/Applicant	Description
1999	Plumb Signs, Inc.	Installation of Facade
2001	Plumb Signs, Inc.	Construct Sign Pole
2002	I-5 Signs, Inc.	Relocate Wall
2003	Plumb Signs, Inc.	Remove Damaged Directional
2006	Olympic Sign Services, Inc.	Wall Sign-Chevrolet
2007	Alpha Steel Building, Inc	Stop Work-Canopy Over Service Drive

Year(s)	Owner/Applicant	Description
2011	CMW Investments, LLC	Commercial/Mechanical-Replace Three Gas Furnaces, Add Gas Piping
2013	K&A Holdings, LLC	Wall Sign-NW Motorsports 4x4 Parts

PBD's records of permits related to the subject property address dated back to 1999 and identified several signage changes between 1999 and 2013. Shell building permits and/or Certificates of Occupancy were not available at the building department.

4.1.7 Planning Department

Partner contacted the Puyallup Planning Department (PPD) on October 25, 2013 for information on the subject property in order to identify AULs associated with the subject property.

According to records reviewed, the subject property is zoned G-C (General Commercial) for commercial development by the City of Puyallup and is considered a legal use in its current configuration.

4.1.8 Oil & Gas Exploration

The State of Washington does not maintain records of oil and gas exploration. Partner accessed the National Pipeline Mapping System (NPMS) through this agency's website. The NPMS is a geographic information system (GIS) created by the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration (PHMSA), Office of Pipeline Safety (OPS) in cooperation with other federal and state governmental agencies and the pipeline industry. The NPMS consists of geospatial data, attribute data, public contact information, and metadata pertaining to the interstate and intrastate gas and hazardous liquid transmission pipelines, liquefied natural gas (LNG) plants, and hazardous liquid breakout tanks jurisdictional to PHMSA. The nominal accuracy of geospatial data in the NPMS is +/-500 feet.

Based on a review of the NPMS map, no hazardous liquid transmission pipelines, liquefied natural gas (LNG) plants, and hazardous liquid breakout tanks are located in the immediate vicinity of the subject property.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet. Please refer to the radius map for a complete listing (Appendix C).

The subject property was identified as a RCRA Non Gen, UST, FINDS and ALLSITES site in the regulatory database report. The adjacent properties were identified as RCRA Non Gen, UST, ALLSITES, MANIFEST and FINDS sites in the regulatory database report.

Federal NPL

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

No NPL sites are located within 1-mile of the subject property.

Federal CERCLIS List

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

No CERCLIS sites are listed within ½-mile of the subject property.

Federal CERCLIS-NFRAP Sites List

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

One CERCLIS-NFRAP site is listed within $^{1}/_{2}$-mile of the subject property. The site is located more than $^{1}/_{8}$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and inferred direction of groundwater flow; this site is not expected to represent a significant environmental concern.

Federal RCRA Generator List

The EPA Resource Conservation and Recovery Act (RCRA) Program RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

Greg Carter's Puyallup Chevrolet-Subaru, a former occupant of the subject property, is listed as a RCRA Non-Gen facility. RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. Based on the analytical results of previous subsurface investigations conducted onsite; this listing is not expected to represent a significant environmental concern.

Puyallup Chrysler-Plymouth R/V, Inc. is located at 401 River Road is located adjacent to the north (hydrologically down gradient) of the subject property. This site was reported in 1994 as a non-RCRA generator with no violations. Based on the regulatory status and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

Federal RCRA CORRACTS Facilities List

The RCRA CORRACTS database is the EPA's list of TSD facilities subject to corrective action under RCRA.

No RCRA CORRACTS facilities are listed within 1-mile of the subject property.

Federal Resource Conservation and Recovery Act (RCRA) TSD Facilities List

The RCRA Treatment, Storage and Disposal (TSD) database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

No RCRA TSD sites are listed within ½-mile of the subject property.

Federal Institutional Controls/Engineering Controls (IC/EC)

The Federal IC/EC database is designed to assist the EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant programs. The IC/EC sites are superfund sites that have either engineering or an institutional control in place. The data includes the control and the media contaminated.

No Federal IC/EC sites were found within ½-mile of the subject property.

Federal Emergency Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information or reported release of oil or hazardous substances.

No ERNS sites are listed on or adjacent to the subject property.

State/Tribal Sites (HSL)

The Washington Department of Ecology maintains a State Priority List (HSL) of sites considered to be actually or potentially contaminated.

Six HSL sites are reported within 1-mile of the subject property. Each of the six HSL sites are located more than $^{1}/_{8}$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State/Tribal Equivalent CERCLIS (CSCSL) Sites

The Washington Department of Ecology compiles a list of state hazardous waste sites equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list.

Twenty-four CSCSL sites are listed within 1-mile of the subject property. Each of the 24 CSCSL sites are located more than $^1/_8$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

Solid Waste/Landfill Facilities (SWLF)

A database of SWLF is prepared by the Washington Department of Ecology.

No SWLF facilities are listed within ½-mile of the subject property.

State Leaking Underground Storage Tank List (LUST)

The Washington Department of Ecology compiles lists of all leaks of hazardous substances from underground storage tanks.

Three LUST sites are listed within ½-mile of the subject property. Each of the three LUST sites is located more than $^1/_8$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State Underground Storage Tank/Aboveground Storage Tank List (UST/AST)

The Washington Department of Ecology compiles a list of UST and AST locations.

Greg Carter's Puyallup Chevrolet-Subaru, a former occupant of the subject property, is listed as a UST facility (Facility ID 68989278). Available information indicates that a 5,000-gallon capacity UST and 1,100 gallon capacity UST were installed in 1964. Both USTs were reportedly closed/removed in 1996. Additionally, a 1,100-gallon capacity fiberglass reinforced plastic (FRP) UST was reportedly installed in 1987 and was reportedly closed/removed on April 4, 2004.

Additionally, eight registered UST/AST facilities are listed within ¼-mile of the subject property. Four sites are located within $^1/_8$-mile of the subject property as discussed below:

- Arthur J Boush Moving & Storage at 820 4th Street is adjacent to south (hydrologically up-gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was installed in 1964 and closed-in place in 1996. No releases have been reported for this site. Based on the regulatory status, this site is not expected to represent a significant environmental concern.

- City of Puyallup Sewage Pump South at the northeast corner of 4th Street and River Road is approximately 150-feet to the northeast (hydrologically down-gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was reportedly removed/closed in 1994. No releases have been reported for this site. Based on the regulatory status and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

- Puyallup Chrysler-Plymouth R/V, Inc. is located at 401 River Road is located adjacent to the north (hydrologically down gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was installed in 1964 and removed/closed in 1996. No releases have been reported for this site. Based on the relative distance, regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

- Korum RV at 514 River Road is located approximately 500-feet to the northwest (hydrologically down-gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was installed in 1964 and removed/closed in 1996. No releases have been reported for this site. Based on the relative distance, regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

The remaining four sites are located more than $^1/_8$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State/Tribal VCP Sites

The Washington Department of Ecology compiles a list of Voluntary Cleanup Program (VCP) sites.

Six State/Tribal VCP sites were found within ½-mile of the subject property. Each of the six sites is located more than $^1/_8$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State/Tribal Brownfield Sites

The Washington Department of Ecology has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems.

No State/Tribal Brownfield sites were found within ½-mile of the subject property.

US Brownfield Sites

The EPA Brownfield database was reviewed to identify facilities that qualify for federal remediation funding under the Small Business Liability Relief and Brownfield Revitalization Act (the "Brownfield" amendment to CERCLA).

No US Brownfield sites were noted within ½-mile of the subject property.

State Spills Sites (SPILLS)

The Washington Department of Ecology maintains reports of sites that have records of spills, leaks, investigations and cleanups.

No SPILLS sites are listed on or adjacent to the subject property.

Tribal Records

The EPA maintains a database of Indian administered lands of the United States that total 640 acres or more.

The Puyallup Indian Reservation is located approximately ½-mile to the northwest of the subject property. Based on the regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern. No other Tribal sites were found within 1-mile of the subject property.

MANIFEST Sites

The Washington Department of Ecology maintains a Manifest database which lists and tracks hazardous waste from the generator through transporters to a TSD facility.

The subject property is not listed as a MANIFEST site. Two MANIFEST sites are listed adjacent to the subject property as discussed below:

- Korum Family Limited Partnership at 500 River Road is located adjacent to the west (hydrologically cross-gradient) of the subject property. Based on the regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

- Larson Motors at 300 River Road is located adjacent to the east (east of 4th Street) (hydrologically cross-gradient) of the subject property. Based on the regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

Dry Cleaners

The Washington Department of Ecology maintains a list of registered dry cleaning facilities.

No Dry Cleaners are listed on or adjacent to the subject property.

Facility Index System/ Facility Registry System (Finds)

FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

The subject property was identified as a FINDS site. FINDS listings are a pointer to other sources which included databases maintained by the WADOE. This FINDS listing is likely associated with the UST listing discussed above in the UST/AST Segment.

ALLSITES

Information on facilities and sites of interest to the WADOE.

The subject property and adjacent properties were identified as ALLSITES. These listings are likely associated with the NON-RCRA Gen, UST and MANIFEST listings discussed above.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiry* is not complete. The user is asked to provide information or knowledge of the following:

- Environmental cleanup liens that are filed or recorded against the site.
- Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the LLPs.
- Relationship of the purchase price to the fair market value of the *property* if it were not contaminated.
- Commonly known or *reasonably ascertainable* information about the *property*.
- The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation.
- The reason for preparation of this Phase I ESA.

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E 1527-05, Partner requested the following site information from Sterling Bank (User of this report).

Item	Provided By User	Not Provided By User	Discussed Below	Does Not Apply
Environmental Pre-Survey Questionnaire	X			
Title Records		X		
Environmental Liens or Activity and Use Limitation		X		
Specialized Knowledge			X	
Valuation Reduction for Environmental Issues			X	
Identification of Key Site Manager	X			
Reason for Performing Phase I ESA	**Yes, See Section 1.1**			
Prior Environmental Reports			X	
Other		X		

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User.

5.1.3 Interview with Key Site Manager

Mrs. Nicola Bley, key site manager, indicated that she had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mrs. Bley, the subject property has been occupied by various automotive dealerships since its original development in the 1950s. She stated that there are currently no in-ground hydraulic lifts in any of the service bays. She stated that the in-round lifts were all removed and decommissioned prior to the current dealership's occupancy of the subject property in 2011. Mrs. Bley stated that there are no active USTs located on the property and that all waste automotive fluids are accumulated in the double walled above ground tanks that are located in the service bays. The waste fluids are reportedly removed by a licensed waste handler on an as needed basis. She stated that she understood that former USTs associated with the subject property were historically decommissioned and closed. Further, Ms. Bley was not aware of any existing underground storage tanks located on the subject property. She stated that the property is equipped with an oil water separation system which prevents automotive fluids from entering the municipal sewer and storm water systems. She stated that the area of the oil water separator was previously investigated and found to be free of contamination.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-05, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records

Partner was not provided with title records for review as part of this assessment.

5.2.2 Environmental Liens or Activity and Use Limitation

Partner requested information from the User regarding knowledge of environmental liens and activity and use limitations (AULs) for the subject property.

No environmental lien or activity and use limitation information was provided by the User at the time of the assessment.

5.2.3 Specialized Knowledge

The User was unaware of any specialized knowledge of environmental conditions associated with the subject property.

5.2.4 Commonly Known or Reasonably Ascertainable Information

The User was unaware of commonly known or *reasonably ascertainable* information within the local community about the subject property that is material to *recognized environmental conditions* in connection with the subject property.

5.2.5 Valuation Reduction for Environmental Issues

The User was unaware of knowledge of reductions in property value due to environmental issues.

5.2.6 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Audit, Environmental Associates, Inc. (July 31, 2003)

Consultant (Environmental Associates, Inc.) prepared this report on behalf of Puyallup Chevrolet.

According to the July 2003 Environmental Associates, Inc. report, the following recognized environmental conditions for the subject property were identified.

- The subject site building has been heated with a heating-oil burning unit in the past, and a "closed-in place" heating oil underground storage tank (UST) reportedly resides beneath the southern margin of the office/parts portion of the building near the basement parking garage entrance. An in-use waste-oil UST (approximately 500 to 1,000 gallon capacity) currently resides along the southern wall of the southern-most service bay building in the location of a

previously removed (in 1987) waste oil tank. An unleaded gasoline UST (approximately 2,000 to 5000 gallon capacity) which existed near the rear (southern) driveway portion of the site was apparently removed in approximately 1987. Subsurface environmental conditions proximal to these tank localities have apparently not been evaluated through means of subsurface sampling and laboratory analytical testing.

- Portions of the site including the northern-most and southern-most automobile service bay buildings have been used as automobile service and repair shops for approximately the past 50 and 43 years respectively, with the storage and use of automobile-related fluids (petroleum substances, solvents, anti-freeze, etc.). The southern-most auto service bay area currently houses one buried hydraulic lift which contains hydraulic fluid in a reservoir within the lift, and several former buried hydraulic lifts were removed from both service bay areas in approximately 1987 and replaced with above-floor hydraulic lifts. Subsurface environmental conditions related to these past and current uses of the site and current and former buried hydraulic lifts have apparently not been evaluated through means of subsurface sampling and analytical testing.

Phase II Environmental Site Assessment, Encore Environmental Consortium, LLC. (August 21, 2003) Encore Environmental Consortium, LLC (EEC) prepared this report on behalf of Argonaut Holdings, LLC.

The purpose of the Phase II subsurface activity was to assess potential impact to the subsurface from areas of potential site recognized environmental conditions (RECs) identified during the July 2003 Phase I ESA. EEC's Phase II ESA was conducted to address the following items from the Environmental Associates, Inc 2003 Phase I ESA:

- Active Waste Oil Underground Storage Tank (UST): An active waste oil UST with a reported 500 to 1,000-gallon capacity is located along the southern wall of the service bay building.

- Closed in Place Heating Oil UST: A "closed in place" heating oil UST is reportedly located along the southern margin of the office/parts portion of the building near the basement parking garage entrance.

- Former Gasoline UST: A former unleaded gasoline UST with a reported 2,000 to 5,000-gallon capacity was situated near the rear (southern) driveway portion of the Site.

- Active Hydraulic Hoist: One active in-ground hydraulic hoist is located in the southernmost service bay area of the Site.

- Former Hydraulic Hoists: Several former in-ground hydraulic hoists were reportedly removed from both service bay areas in 1987. During the Phase II ESA, EEC investigated eleven locations of former in-ground hydraulic hoists in these service bays.

- Former Gas Station: A former gas station was reportedly associated with an adjacent property to the east of the Site. Various Drainage Utilities: At the request of Argonaut, EEC investigated drainage facilities observed during the Phase II ESA, if any, that have the potential to impact the subsurface. Two storm drains, one of which is in the vicinity of an aboveground oil/water separator, were investigated by EEC during the Phase II ESA.

- During subsurface assessment activities, field personnel performed an investigation to evaluate the Site for potential subsurface impacts to the areas of concern presented above by advancing a total of 18 direct push soil borings. Soil borings SB-1 and SB-3 were advanced in the vicinity of two storm drains; soil boring SB-2 was advanced to investigate potential impacts from the adjacent property to the east of the Site; soil boring SB-4 was advanced to investigate the former unleaded gasoline UST; soil boring SB-5 was advanced to investigate the "closed in place" heating oil UST; soil borings 58-6 and SB-7 were advanced to investigate the active waste oil UST; and soil borings SB-8 through SB-18 were advanced to investigate the locations of the 11 former in-ground hydraulic hoists. One soil sample and one groundwater sample, if encountered, were collected from each boring location.

2003 Soil Analytical Results

- According to this 2003 Phase II Report, Xylene was detected in soils sampled from the assumed location of the former unleaded gasoline UST at a total concentration of 15.8 mg/kg, which exceeds the WAC MTCA Method A soil criterion for xylene of 9 mg/kg.

- TPH-GRO was detected in soil from the location of the active waste oil UST at a concentration of 128 mg/kg, which exceeds the WAC MTCA Model A soil criterion for TPH-GRO of 100 mg/kg.

- TPHDRO was detected in two soil samples from the location of the active waste oil UST at concentrations of 2,050 mg/kg to 3,320 mg/kg, respectively, which exceed the WAC MTCA Model A soil criterion for TPH-DRO of 2,000 mg/kg.
- Based on the analytical results, no other constituents were detected in soil samples collected from any of the remaining areas of concern at concentrations exceeding the applicable WAC MTCA Model A soil criteria.

2003 Groundwater Analytical Results

- Based on the analytical results, no constituents were detected in groundwater samples collected from the areas of concern at concentrations exceeding the applicable WAC MTCA Model A cleanup levels for groundwater.

The 2003 Phase II ESA recommended the following:

- Active Waste Oil UST: The release associated with the active waste oil UST should be investigated and confirmed in accordance with WAC Chapter 173-360 UST Regulations. Subsequently, the active waste oil UST should either be removed or closed in place.

- Former Gasoline UST: The release associated with the former gasoline UST should be further investigated and remediated in accordance with applicable requirements.

- The Active in-ground hoist should be drained and decommissioned in accordance with applicable regulatory requirements to prevent potential future releases.

Tank Closure Assessment Report, Friedman & Bruya, Inc. (April 13, 2004) Friedman & Bruya, Inc. (FBI) prepared this report on behalf of Environmental Management Services, LLC. (EMS).

- The 2004 FBI report stated that in March 2004, EMS was hired by the property owner to close by removal one 500- gallon waste oil underground storage tank (UST) from the property located at 400 Rivers Road, Puyallup, Washington. Soil samples collected during the UST closure were reported below Model Toxic Control Act Method A Cleanup Levels for site specific contaminates of concern (waste oil range hydrocarbons). Previous work completed at the site in August 2003 identified levels of waste oil hydrocarbons in the form of gasoline and oil range hydrocarbons. Unfortunately, this soil sampling data was not available to EMS at the time of the UST closure. Based on the data provided to EMS on samples collected at both 58-6 and SB-7, excavation of the impacted areas adjacent to the former UST location was warranted. Each of the two boring locations was outside the March 2004 UST excavation perimeter. Soil samples 56 through 59 collected by EMS in September 2004 were analyzed on site by method HCID and diesel oil range petroleum hydrocarbons. Sample results for SO through S8 were reported below laboratory detection limits. Sample results for 39 were reported 1010 mg/kg below the MTCA cleanup level of 2000 mg/kg.

- The 2004 FBI report stated that during the August 2003 site investigation, an area located on the southeast end of the property was identified as a former gasoline UST location. The size and configuration of the former gasoline USTs is unknown. It is known that the USTs were closed by removal in approximately 1988. Soil boring SP-4 competed in August 2003 identified xylene levels (15.81 mg/kg) exceeding the MTCA method A cleanup level of 9 mg/kg. Over excavation of this area was completed by EMS on September 2, 200/. Soil samples were collected following excavation activities and analyzed for gasoline range hydrocarbons including benzene, toluene, ethyl benzene and xylene. Samples 51 and 52 were also analyzed for total hydrocarbons by method HCID. Each of the five samples collected from within the excavation were reported below the MTCA method A cleanup for unrestricted land use.

- The 2004 FBI report stated that based on field observations and laboratory analytical results, EMS completed excavations of impacted soil on September 2, 2004. A total of 26.37 tons of impacted soil was excavated and transported to Rabanco / Allied Waste a state licensed

disposal facility. Confirmation soil samples collected from each excavation were reported by the laboratory as below the unrestricted MTCA Method A cleanup level. No groundwater was encountered during contaminated soil excavation activities.

- The 2004 FBI report stated that during a site investigation completed in August 2003, three areas were identified as containing impacted soil exceeding MTCA method A cleanup levels. The areas were divided into two locations, the former waste oil UST location and the former gasoline UST location. Soil samples were collected from each location following the removal of impacted soil. Each discrete soil sample was analyzed and reported below the MTCA method A cleanup levels.

- The 2004 FBI report stated that based on field observations and laboratory analytical results, remediation of the impacted soils at 400 River Road Puyallup, Washington identified in the August 2003 subsurface investigation has been successfully completed. All excavation activities were completed under the supervision of Ecology licensed UST Site Assessor.

- The 2004 FBI report stated that no further action regarding the, impacted soil identified in the August 2003 subsurface sampling event was warranted.

Focused Phase II Subsurface Investigation, The Riley Group, Inc. (April 25, 2011) The Riley Group, Inc. (RGI) prepared this report on behalf of Northwest Motorsport.

- According to the report, a Phase I Environmental Site Assessment (ESA) was completed for the site by Adapt Engineering, Inc. (Adapt) in 2011. (Partner was not provided with a copy of the 2011 Adapt Engineering Phase I ESA for review). The 2011 Adapt Engineering Phase I ESA reportedly stated that the feed line to the onsite oil/water separator was thought to have been disconnected and, therefore, represented a possible risk to soil and/or groundwater quality of the site. However, although further investigation revealed that aboveground oil/water separator was still connected, a limited Phase II Subsurface Investigation was recommended by Adapt in the vicinity of the unit.

- On April 11, 2011, RGI advanced test probe to a total depth of 12 feet bgs. The test probe was located immediately adjacent to and inferred downgradient of the onsite, aboveground oil/water separator. A total of two discrete soil samples were collected during this project; at the three- to four-foot and 10- to 12-foot depth intervals. Shallow groundwater was encountered in the test probe at approximately 10 to 11 feet bgs and was collected for analysis. The report stated that laboratory analysis indicated that no gasoline-, diesel- or oil-range TPHs or VOCs (BTEX and/or chlorinated solvents) were detected in the soil or groundwater samples submitted from the site.

6.0 SITE RECONNAISSANCE

The subject property was inspected by Daniel Stallings of Partner on October 24, 2013. The weather at the time of the site visit was overcast and raining. The Property Manager was identified as Nicola Bley. Nicola Bley accompanied Partner during field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property.

All areas of the subject property were accessible at the time of the site inspection. However, parked cars resulted in visual obstructions of the ground surface in many areas of the subject property.

The subject property is currently occupied by Northwest Motorsports, Inc. for commercial use. On-site operations consist of new automobile sales and full automotive maintenance, customization, repair and detailing activities. Environmental concerns were identified during the onsite reconnaissance related to former in-ground lifts, as further discussed in Section 6.2. Non-ASTM issues are discussed in Section 6.3.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located at the southeast portion of the subject property. An independent solid waste disposal contractor removes solid waste from the subject property.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Puyallup services the subject property vicinity. No wastewater treatment facilities or septic systems are located on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located throughout the subject property. Site storm water from roofs and paved areas is directed to on-site storm water drains. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment are fueled by electricity and natural gas provided by Peugeot Sound Energy. The mechanical system is comprised of a split system with a central unit and interior air-handler and an exterior condenser. Hot water is provided by central natural gas boiler units.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Materials and Petroleum Products Used or Stored at the Site

Partner identified hazardous materials and/or hazardous wastes to be used, stored, or generated on the subject property as noted in the following table:

Hazardous Substances/Wastes Noted Onsite

Substance	Container Size	Location	Nature of Use	Disposal Method
Virgin Automotive Oils	55-Gallon Drums	Service Bays	Automotive Service	None
Waste Oil	500-gallon AST	Service Bays	Automotive Service	Contractor
Used Oil Filters	55-gallon Drums	Service Bays	Automotive Service	Contractor
Virgin Anti-Freeze	55-gallon Drums	Service Bays	Automotive Service	None
Used Anti-Freeze	55-gallon Drums	Service Bays	Automotive Service	Contractor
Synthetic Gear Oil	55-gallon Drums	Service Bays	Automotive Service	None
Compressed Gasses	Various	Service Bays	Automotive Service	None
Used Batteries	Containment Pallet	Service Bays	Automotive Service	Contractor
Parts Cleaner	25-gallon Drums	Service Bays	Automotive Service	Contractor
Automotive Undercoating	55-gallon Drums	Detail Shop	Automotive Service	None

The materials were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. Secondary containment is provided and appears to be in accordance with acceptable containment methods.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

Partner observed three aboveground storage tanks (ASTs) for the storage of waste oil on the subject property. The ASTs are located in the service bays of the subject property. According to Mrs. Bley, the ASTs have been in use since at least 2011 and were likely there before then. The ASTs are of double-walled construction and are equipped with secondary overfill protection. No staining, leaks or spills were noted in the vicinity of the ASTs, and according to available information, no releases have been reported to the Washington Department of Ecology (WADOE).

According to the property manager and available regulatory information, there are currently no active USTs located on the subject property. The subject property was historically equipped with four underground storage tanks (USTs). Three of the tanks have been closed and removed and one has been closed in place. Please refer to the table below for information pertaining to the former USTs located on the subject property:

Underground Storage Tank (UST) for the subject property

	UST No. 1	UST No. 2	UST No. 3	UST No. 4
Tank ID Number:	NA	NA	NA	NA
Tank Capacity (Gallons):	5,000	1,000	500	500
Tank Contents:	Gasoline	Waste Oil	Heating Oil	Waste Oil
Installation Date:	1964	1987	1964	1987
Tank Status	Removed	Removed	Closed In-Place	Removed
Removal Date:	August 1996	March 2004	Not Applicable	March 2004
Tank Construction:	Steel	Fiberglass Reinforced Plastic (FRP)	Steel	Unknown
Tank Secondary Containment:	Single-walled	Unknown	Unknown	Unknown
Piping Construction:	Unknown	Unknown	Unknown	Unknown
Piping Secondary Containment:	Unknown	Unknown	Unknown	Unknown
Type of Corrosion Protection:	Unknown	Unknown	Unknown	Unknown

Type of Leaking Detection Equipment:	Unknown	Unknown	Unknown	Unknown
Type of Overfill Protection:	Unknown	Unknown	Unknown	Unknown
Evidence of Leaks, Stains, or Spills:	Yes, See Section 5.2	Yes, See Section 5.2	No	Yes, See Section 5.2
Reported Release(s):	Yes, See Section 5.2	Yes, See Section 5.2	No	Yes, See Section 5.2
Compliance with UST Regulations:	Yes	Yes	Yes	Yes

Note: This information was obtained from Mrs. Nicola Bley, during the site inspection, the regulatory database report, and client-provided documentation.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Partner observed evidence of former in-ground lifts in the current above ground service bays as evidenced by circular cut-outs and concrete patches that are similar to the size of in-ground lift cylinders. As discussed in Section 5.2.6, a 2003 Phase II Environmental Site Assessment investigation was performed in the areas of the former lifts.

The 2003 Phase II Investigation concluded that contaminants in soils collected from the areas of the former lifts did not exceed regulatory concentration criteria for gasoline or diesel range petroleum hydrocarbons. However, review of the laboratory analysis from this report only indicated that soils collected from the service bays were analyzed for petroleum hydrocarbons within gasoline and diesel range. The testing did not include analysis for PCBs, specifically. Therefore it is Partner's opinion that this testing was not sufficient to determine the absence or presence of PCB contamination in the soils from the areas of the former in-ground lifts.

Based on the potential for PCB-containing hydraulic fluid within the lifts to have impacted the subsurface and on the lack of any documented sampling conducted after removal of the lifts which targeted PCBs, specifically, the former presence of the former in-ground lifts onsite is a Recognized Environmental Condition.

All lifts at the subject property are currently above ground. Based on the age, good condition, and above ground nature of the current hydraulic fluid reservoirs, the current lifts are not likely to contain PCB fluid and are not expected to represent a significant environmental concern. No staining or other evidence of a release of hydraulic fluid or oil was observed in the vicinity of this equipment.

No other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property.

6.2.7 Drains, Sumps and Clarifiers

The service area floor drain systems for each building reportedly discharge to an oil-water separator, prior to discharge to the municipal storm water sewerage system operated by the Puyallup Public Works Department. The oil-water separator is located in the paved parking area immediately adjacent to a canopy at the southeast portion of the subject property. According to Mrs. Nicola Bley, Facility Manager, the oil-water separator is serviced as needed by a licensed contractor.

Based on the findings of the 2011 focused subsurface investigation (discussed in Section 5.2.6, the oil/water separator is not expected to represent a significant environmental concern at this time.

No other drains, sumps or clarifiers were observed on the subject property.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

Based on visual observations no oil well, monitoring well, USTs, or other sources of possible vapor intrusion were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. Asbestos is commonly used as an acoustic insulator, thermal insulation, fire proofing and in other building materials. Exposure to airborne friable asbestos may result in a potential health risk because persons breathing the air may breathe in asbestos fibers. Continued exposure can increase the amount of fibers that remain in the lung. Fibers embedded in lung tissue over time may cause serious lung diseases including: asbestosis, lung cancer, or mesothelioma.

The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1980 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property buildings were constructed between 1953 and 1966. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect asbestos containing materials (ACMs) at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs

Suspect ACM	Location	Friable Yes/No	Physical Condition
Drywall Systems	Throughout Building Interiors	No	Good
Floor Tiles	Throughout Building Interiors	No	Good
1x1 Ceiling Tiles & Glue Dots	Basement/Storage	Yes	Good
Spray-Applied Acoustical Material	Internet Sales Office	Yes	Good

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, inspection, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Due to the commercial nature of use of the subject property, lead-based paint was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones; Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the US EPA Action Limit of 4.0 PicoCuries per Liter (pCi/L). It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3, where average predicted radon levels are less than 2.0 pCi/L.

Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Puyallup Department of Public Works and Engineering serves the subject property vicinity. According to a representative of the department, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. According to the department's 2012 Water Quality Report (WQR), the City of Puyallup obtains its drinking water from two natural springs (Maplewood Springs and Salmon Springs), from five deep wells and from the City of Tacoma. According to the City of Puyallup and the 2012 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding). Mold growths often appear as discoloration, staining, or fuzzy growth on building materials or furnishings and are varied colors of white, gray, brow, black, yellow, and green. In large quantities, molds can cause allergic symptoms when inhaled or through the toxins the molds emit.

Partner observed accessible, interior areas for the subject property buildings for significant evidence of mold growth; however, this ESA should not be used as a mold survey or inspection. Additionally, this inspection was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

No obvious indications of water damage or mold growth were observed during Partner's visual inspection.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site inspection, including hazardous materials, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term REC includes hazardous substances and petroleum products even under conditions that might be in compliance with laws. The term is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment and that would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies. The following was identified during the course of this assessment:

- Partner observed evidence of former in-ground hydraulic lifts in the current above ground service bays as evidenced by circular cut-outs and concrete patches indicative of in-ground lift cylinders. The lifts were reportedly installed in the 1950s and removed in 1987. To address subsurface environmental conditions related to the former hydraulic lifts, a Phase II Environmental Site Assessment investigation was performed by Encore Environmental Consortium, LLC (EEC) in 2003. The subsurface investigation included the advancement of eleven borings identified as *the locations of former-in ground hydraulic lifts in the service bays*. However, review of the laboratory analysis from this report indicated that soils collected from the service bays were only analyzed for diesel and gas range petroleum hydrocarbons. The testing did not include analysis of polychlorinated biphenyls (PCBs), which is a target chemical of concern associated with older hydraulic lifts. Therefore, it is Partner's opinion that the 2003 investigation was not sufficient to determine the absence or presence of PCB contamination in soils from the areas of the former in-ground lifts. Based on the potential for PCB-containing hydraulic fluid within the lifts to have impacted the subsurface and on the lack of any documented sampling conducted after removal of the lifts which targeted PCBs as a contaminant, specifically, the former presence of in-ground lifts onsite is a Recognized Environmental Condition.

- According to previous environmental reports prepared in 2003, the southern-most auto service bay area housed one active in-ground hydraulic lift which contained hydraulic fluid in a reservoir within the lift. The previous consultant recommended that the lift be drained and decommissioned in accordance with applicable regulatory requirements to prevent potential future releases. The reported lift was not observed during Partner's site reconnaissance, and no information pertaining to the status of the lift was found during Partner's assessment. Therefore, it is unclear whether the lift was properly removed and/or subsurface sampling was conducted. Based on this information, the former in-ground lift represents a REC.

A *historical recognized environmental condition (HREC)* refers to an environmental condition which would have been considered a REC in the past, but which is no longer considered a REC based on subsequent assessment or regulatory closure. The following was identified during the course of this assessment:

- The subject property was historically equipped with four underground storage tanks (USTs): one gasoline tank, one heating oil tank and two waste oil tanks. Three of the tanks have been closed and removed, and one has been closed in-place. Based on the documented removal and/or closure of the tanks, the subsequent analytical results and soil remediation, and the regulatory closure, the former USTs and associated onsite contamination are considered a historic recognized environmental condition.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, require discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that ACMs and/or LBP are present. Overall, all suspect ACMs and painted surfaces were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. A few ceiling tiles, however, were noted during the inspection to be broken, chipped, and/or have signs of water damage. Should the ceiling tiles (or their glue dots) be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

- A previous subsurface investigation was performed in the area of the existing oil/water separator in 2011 to evaluate the site for potential subsurface impacts related to auto repair operations. Analytical results of the investigation revealed no constituents of concern were detected in soil or groundwater samples collected near the oil/water separator. Based on the results, the presence of the oil/water separator is not a concern at this time. However, the oil/water separator continues to be used by the current tenant. The user should be aware that environmental risks associated with use of the oil/water separator in connection with auto repair activities increases over time.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05 of 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). Any exceptions to or deletions from this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

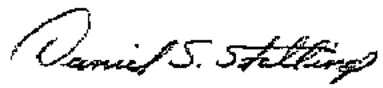
- A limited subsurface investigation should be conducted in order to determine the presence or absence of PCB contamination in the areas of the former in-ground lifts.
- Obtain and review records pertaining to removal/decommissioning activities of the active in-ground lift.
- Periodic maintenance of the existing oil/water separator to prevent future releases.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 400 River Road in the City of Puyallup, Pierce County, Washington in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

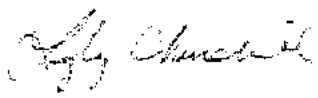
By signing below, Partner declares that, to the best of our professional knowledge and belief, the undersigned meet the definition of an *Environmental Professional* as defined in §312.10 of 40 CFR 312 and have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Daniel S. Stallings, REPA, EP
Environmental Professional

Reviewed By:



Lyly Churchill, MA
Senior Author

9.0 REFERENCES

Contact List

City of Puyallup Building Department 333 S. Meridian, 2nd Floor Puyallup, WA 98371 (253) 864-4165

City of Puyallup Engineering 333 S. Meridian, 2nd Floor Puyallup, WA 98371 (253) 864-4165

City of Puyallup Fire Department 333 South Meridian, Puyallup, WA 98371 Fire Prevention Line: (253) 864-4182

City of Puyallup Planning Department 333 S. Meridian, 2nd Floor Puyallup, WA 98371 253-864-4165

City of Puyallup Public Works 333 S. Meridian, 2nd Floor Puyallup, WA 98371 (253) 864-4165

City of Tacoma Library 1102 Tacoma Avenue South Tacoma, WA 98402

Pierce County Assessment and Taxation (253) 798-6111

Pierce County Health Department 955 Building Tacoma Avenue South, Tacoma, WA 98402

United States Environmental Protection Agency accessed via the Internet, October, 2013

United States Geological Survey, accessed via the Internet, October, 2013

Washington Department of Ecology Public Records Officer PO Box 47600 Olympia WA 98504

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E 1527-05.

EDR Aerial Photo Decade Package; Inquiry Number 3762993.2s, dated October 21, 2013

EDR Radius Map Data Package; Inquiry Number 3762993.2s, dated October 21, 2013

EDR Sanborn Map Package; Inquiry Number 3762993.2s, dated October 21, 2013

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, Community Panel Number 5301440005B, Flood Map dated August 15, 1980

Phase I Environmental Audit, Environmental Associates, Inc. (July 31, 2003) Consultant (Environmental Associates, Inc.) prepared this report on behalf of Puyallup Chevrolet.

Phase II Environmental Site Assessment, Encore Environmental Consortium, LLC. (August 21, 2003) Consultant Encore Environmental Consortium, LLC (EEC) prepared this report on behalf of Argonaut Holdings, LLC.

Tank Closure Assessment Report, Friedman & Bruya, Inc. (April 13, 2004) Friedman & Bruya, Inc. (FBI) prepared this report on behalf of Environmental Management Services, LLC. (EMS).

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U.S. Department of the Interior, Fish & Wildlife Service's National Wetland Inventory (NWI) Map accessed via the Internet, October, 2013

U.S. Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the Internet, October, 2013

U.S. Geological Survey Topographic Map accessed via the Internet, October, 2013

FIGURES

1- SITE LOCATION MAP

2- TOPOGRAPHIC MAP

3- SITE PLAN

PARTNER

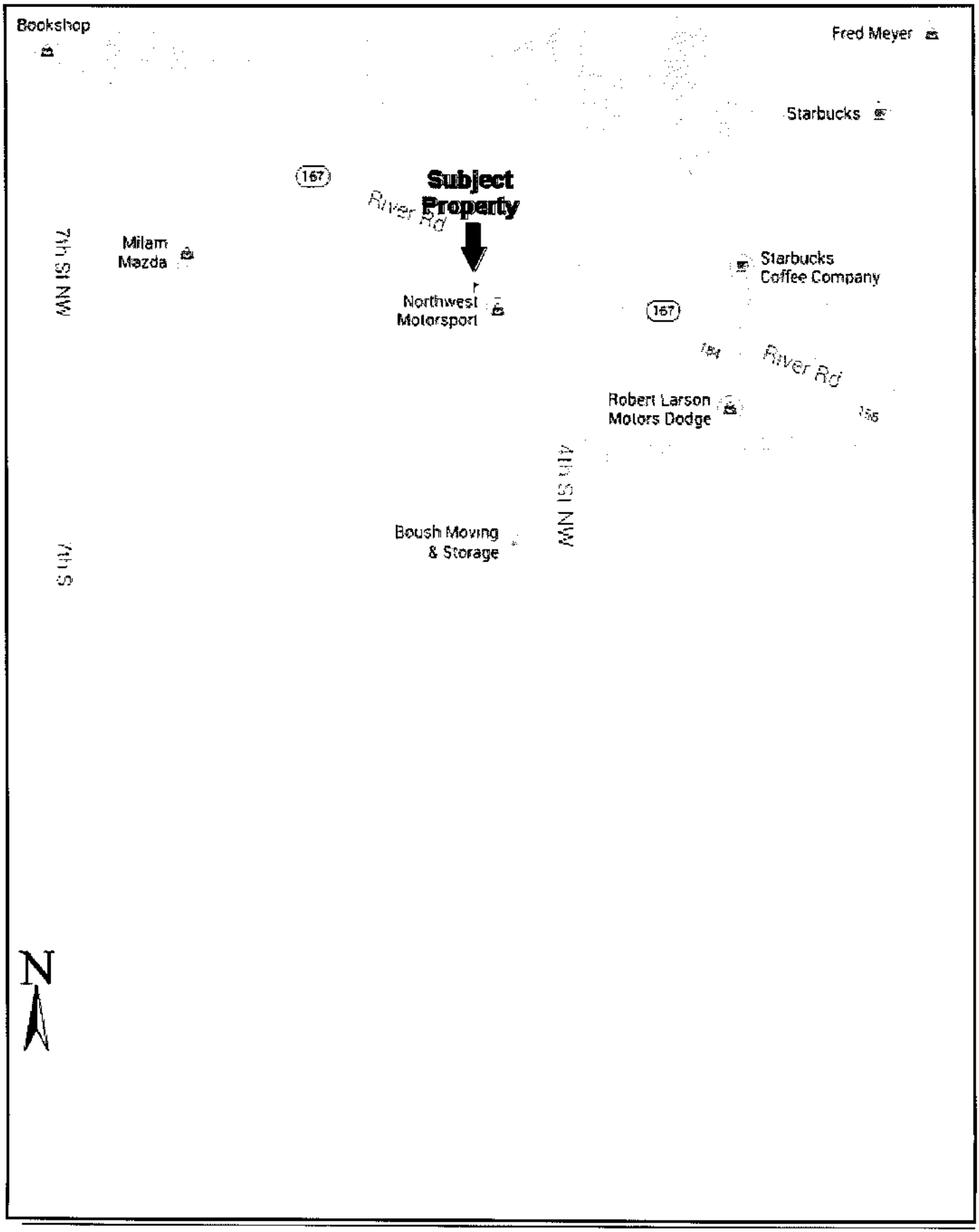


FIGURE 1: SITE LOCATION MAP
Project No. 13-111058.1

Drawing Not To Scale

PARTNER

USGS 7.5 Minute *Puyallup, Washington* Quadrangle Created: 1994

FIGURE 2: TOPOGRAPHIC MAP
Project No. 13-111058.1

PARTNER

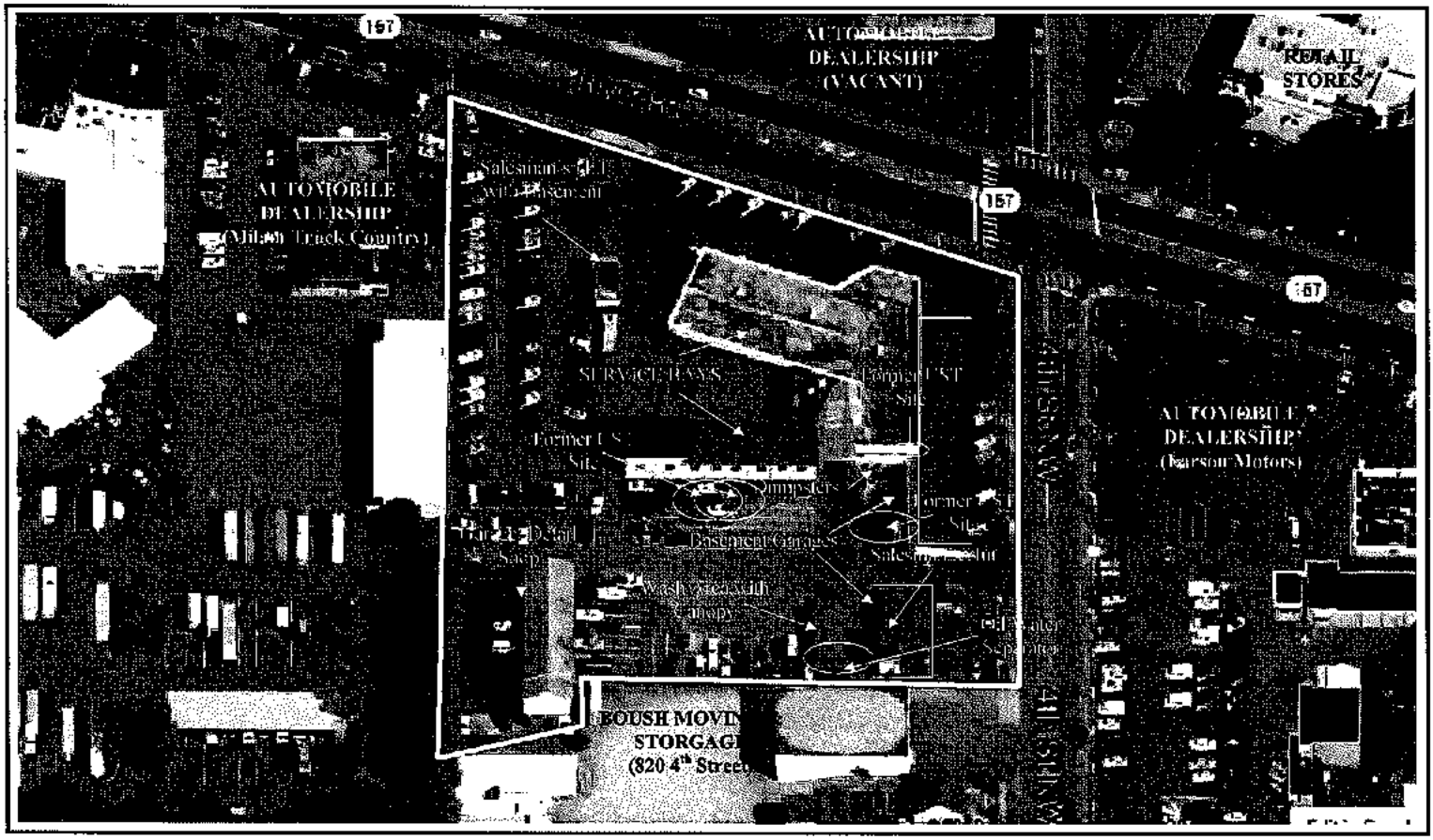


FIGURE 3: SITE PLAN
Project No. 13-111058.1

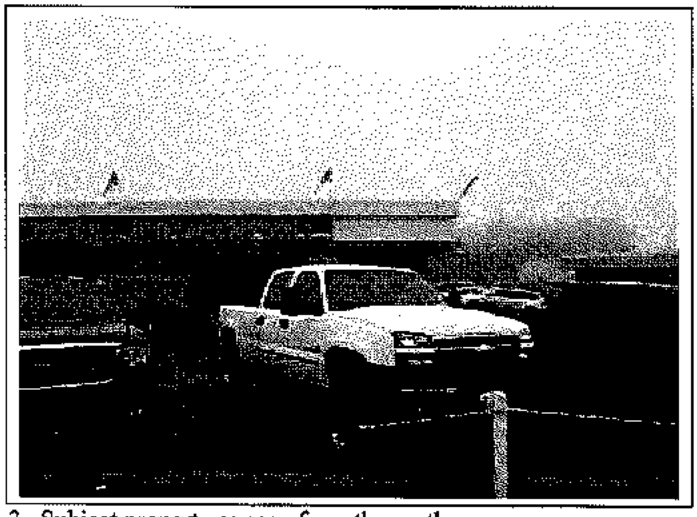
PARTNER

APPENDIX A: SITE PHOTOGRAPHS

PARTNER

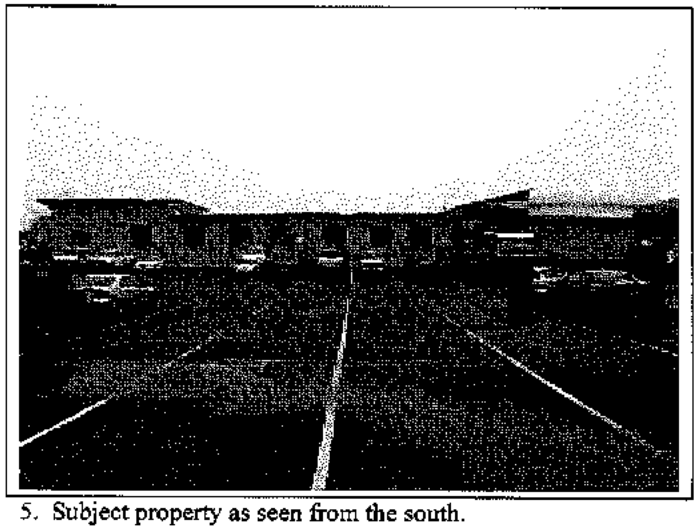
1. Subject property as seen from the east.

2. View to the east as seen from the subject property.

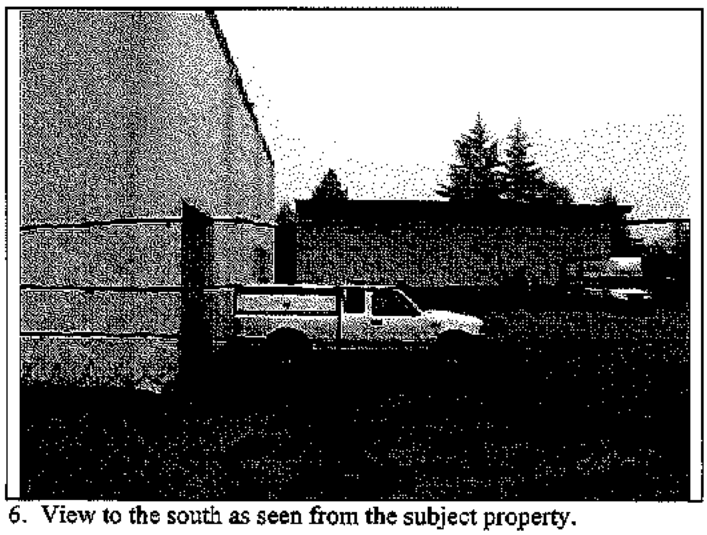


3. Subject property as seen from the north.

4. View to the north as seen from the subject property.



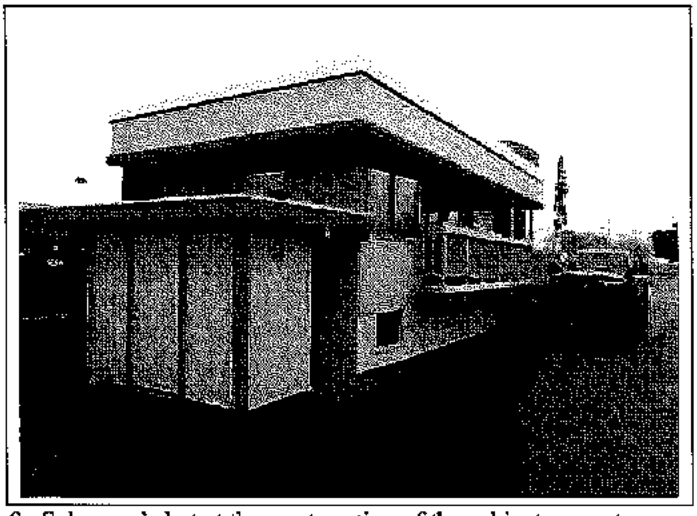
5. Subject property as seen from the south.



6. View to the south as seen from the subject property.

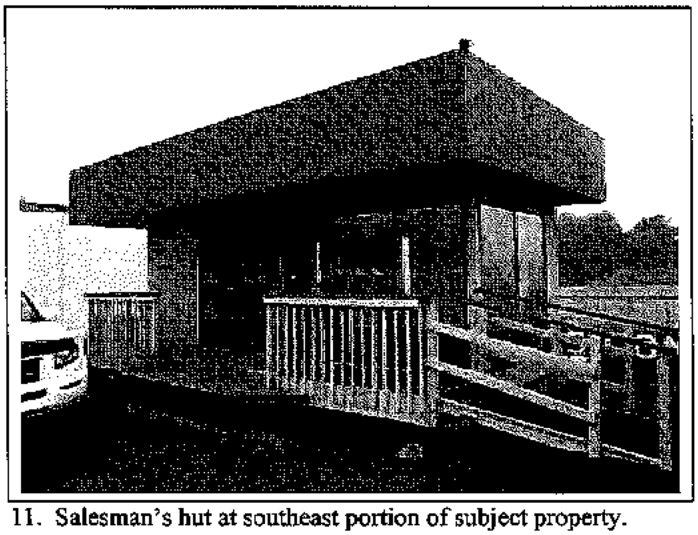
7. Subject property as seen from the west.

8. View to the west as seen from the subject property.

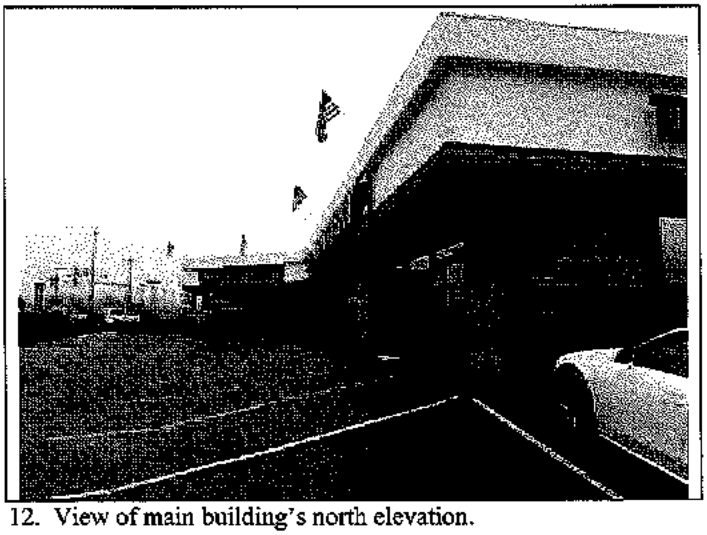


9. Salesman's hut at the west portion of the subject property.

10. Employee lounge in the basement of the salesman's hut.

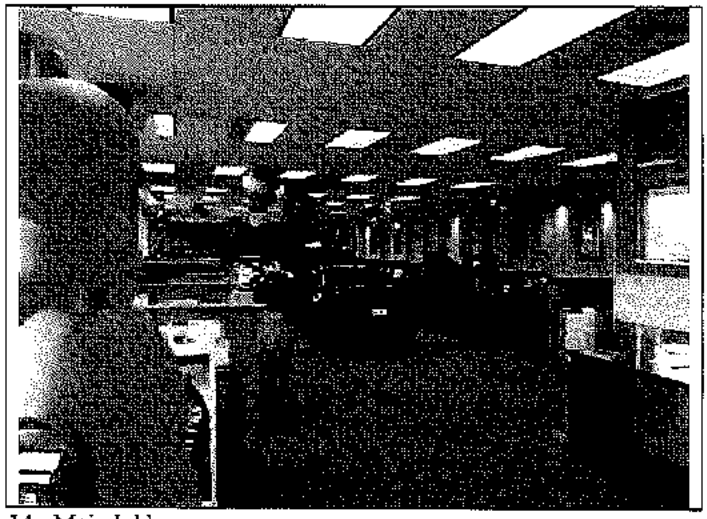


11. Salesman's hut at southeast portion of subject property.



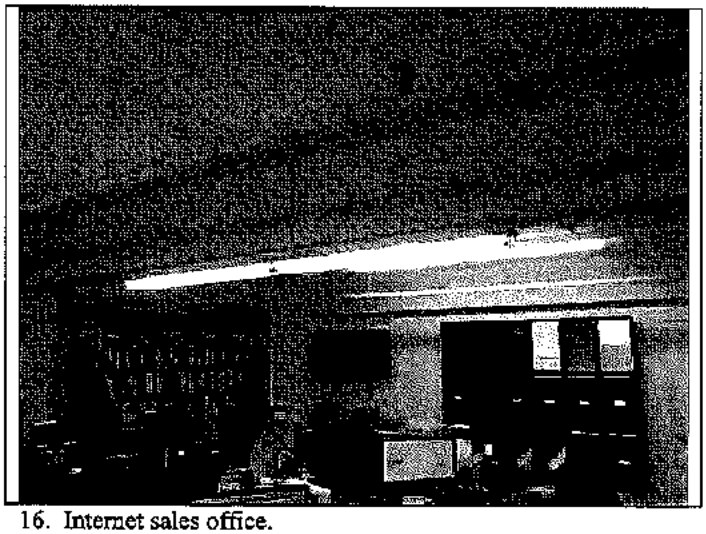
12. View of main building's north elevation.

13. Service entrance.

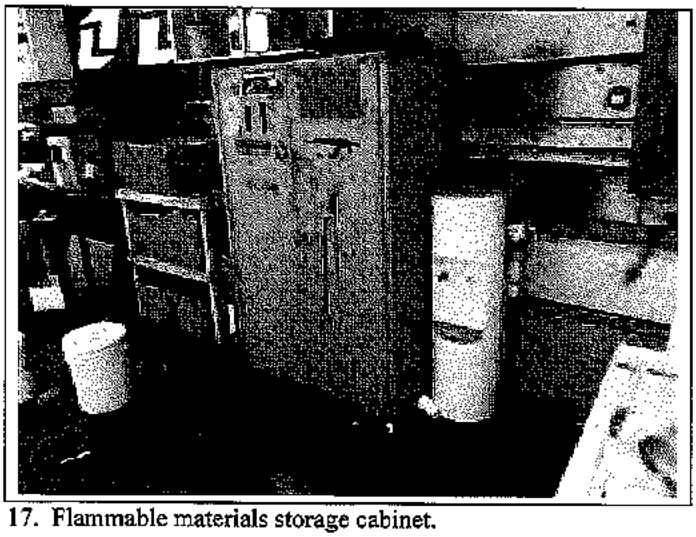


14. Main lobby.

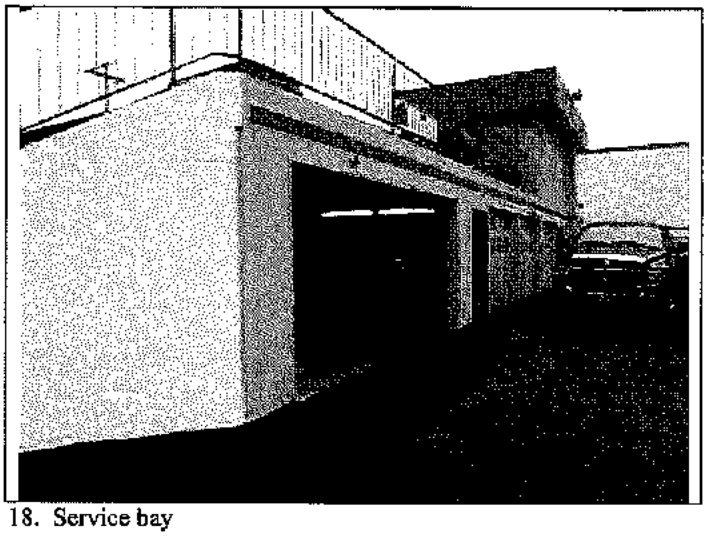
15. Automotive detailing shop.



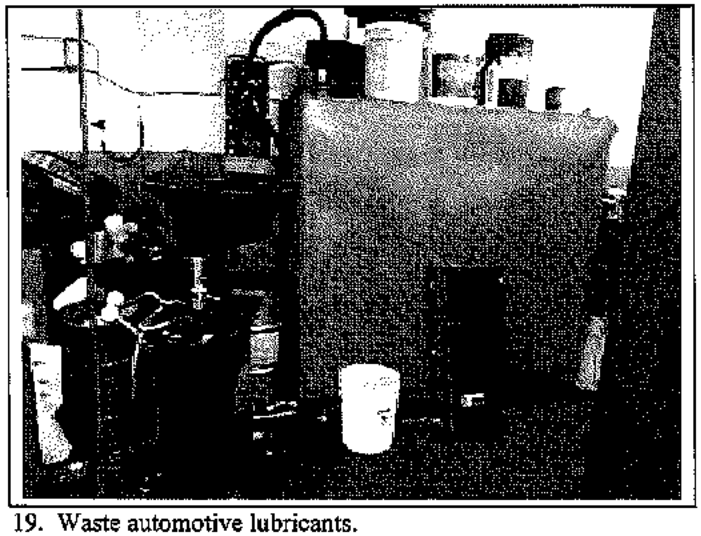
16. Internet sales office.



17. Flammable materials storage cabinet.

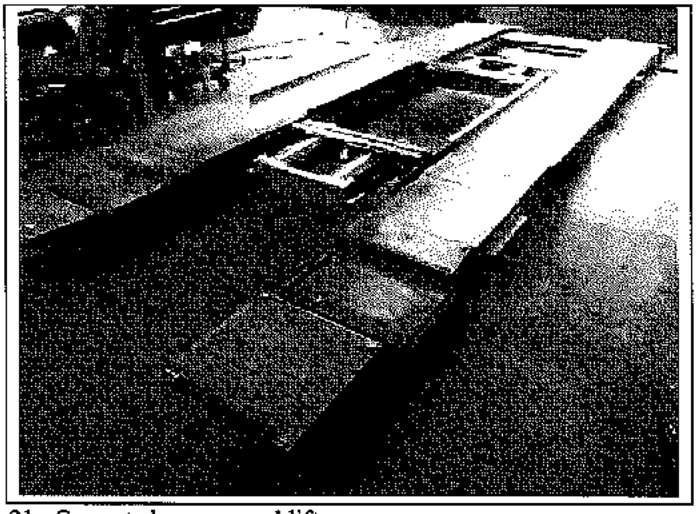


18. Service bay

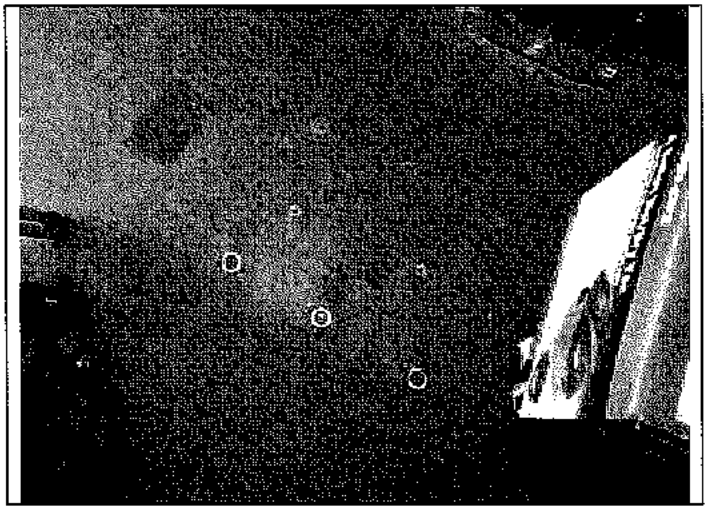


19. Waste automotive lubricants.

20. Parts washer



21. Current above-ground lifts.



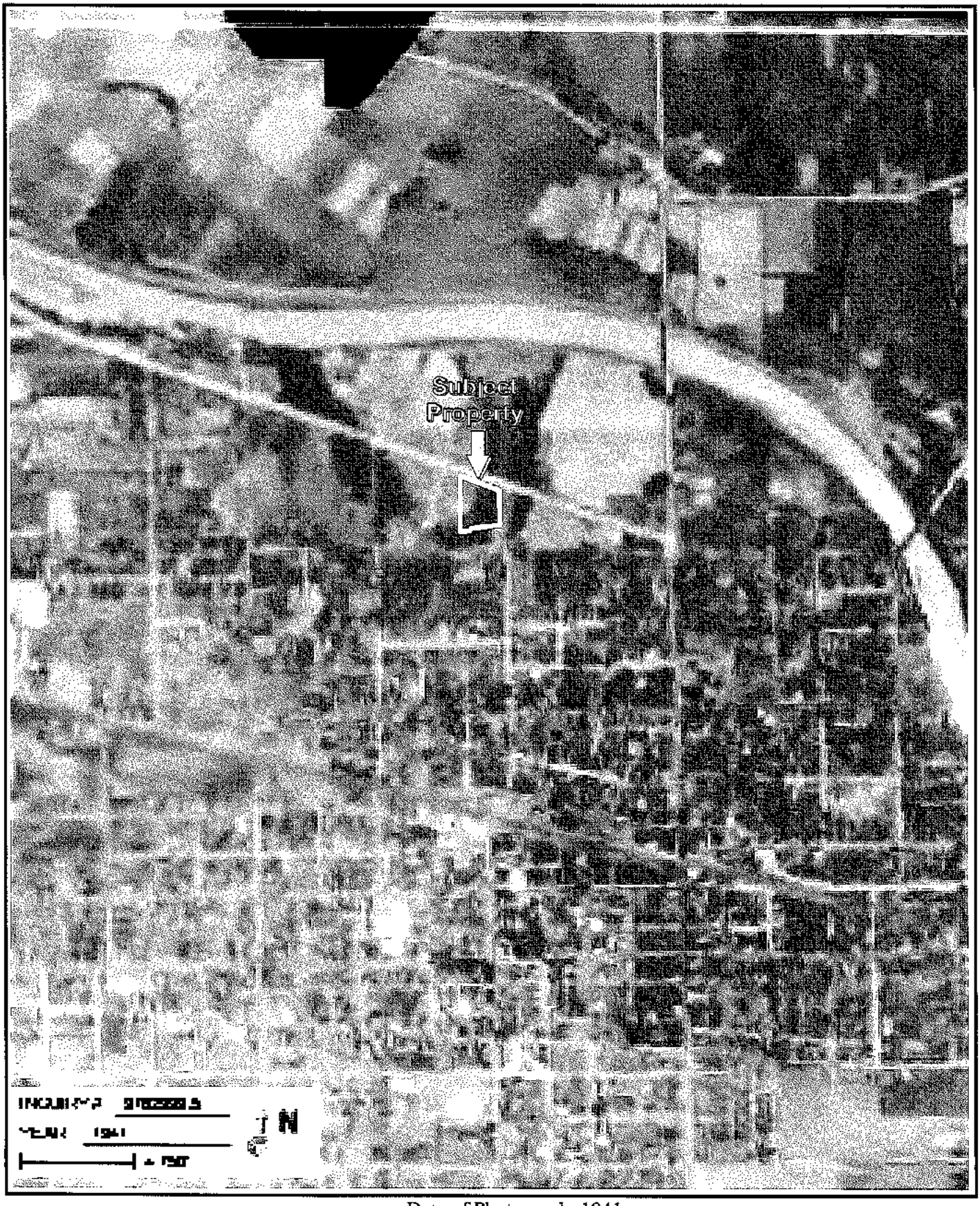
22. Former in-ground lifts.

23. Former in-ground lifts.

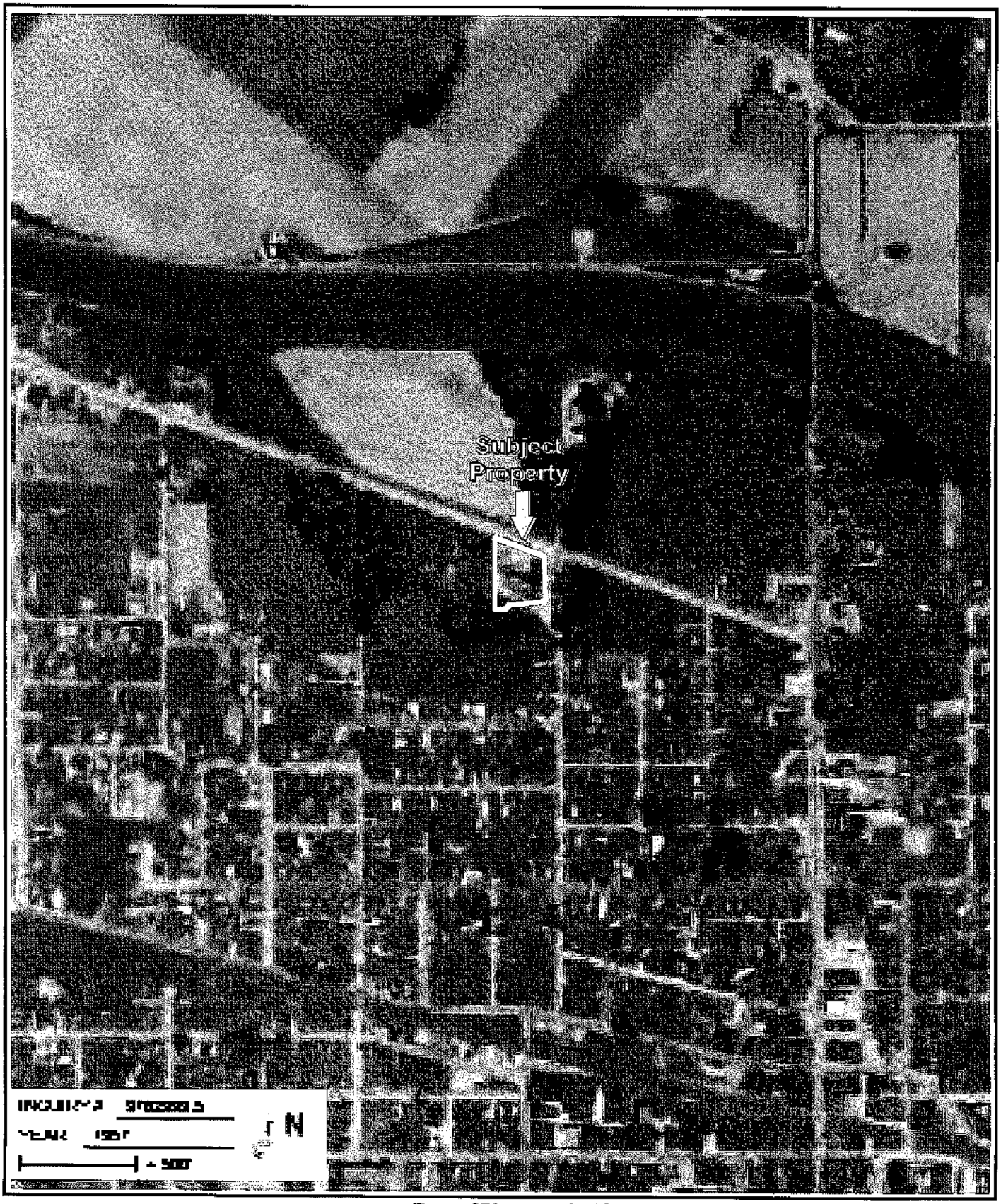
24. Waste automotive lubricants.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER



Date of Photograph: 1941



Date of Photograph: 1957

Date of Photograph: 1968

Date of Photograph: 1972

Date of Photograph: 1986

Date of Photograph: 1990

Date of Photograph: 1991

Date of Photograph: 2006

Date of Photograph: 2009

Date of Photograph: 2011

City of Puyallup
Online Development Services

Permit | Logon | Help | Contact

B-11-0275

Applied	Approved	Issued	Final	Expires
05/24/2011	06/15/2011	06/15/2011		12/12/2011

Type **SIGN PERMIT**

Status **issued**

Permit Description

COMM SIGN (4) WALL SIGNS - NW MOTORSPORTS - TRUCKS SIGN

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **CMW INVESTMENTS LLC** Owner **Y**

Owner **CMW INVESTMENTS LLC**

Viewing Permit <-- Select the information you would like to view.

Sub Permit #	Type	Address	Status
B-11-0276	SIGN PERMIT	400 RIVER RD PUYALLUP WA 98371-4155	issued

Details

r PUYALLUP BUSINESS LICENSE **75.00**

City of Puyallup
Online Development Services

Permit | Logon | Help | Contact

B-11-0276

Applied	Approved	Issued	Final	Expires
05/24/2011	06/15/2011	06/15/2011		12/12/2011

Type **SIGN PERMIT**

Status **issued**

Permit Description

COMM SIGN (1) POLE SIGNS - NW MOTORSPORTS - TRUCKS SIGN

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **CMW INVESTMENTS LLC** Owner **Y**

Owner **CMW INVESTMENTS LLC**

Viewing Permit <-- Select the information you would like to view.

Master Permit # **B-11-0275**

City of Puyallup
Online Development Services

Permit | Logon | ? | Help | Contact

B-11-0476

Applied	Approved	Issued	Final	Expires
08/08/2011	10/11/2011	10/11/2011		04/08/2012

Type **SIGN PERMIT**

Status **issued**

Permit Description

POLE SIGN - NORTHWEST MOTORSPORT

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **DARREL C & DIANE G HAGEN** Owner **Y**

Owner **CMW INVESTMENTS LLC**

Viewing Permit <-- Select the information you would like to view.

Master Permit # **B-11-0475**

City of Puyallup
Online Development Services

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B-13-0402

Applied	Approved	Issued	Final	Expires
05/10/2013	05/22/2013	05/22/2013		11/18/2013

Type **SIGN PERMIT**

Status **issued**

Permit Description

(1) WALL SIGN ~ NW MOTORSPORT/4X4 PARTS

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **K & A HOLDINGS LLC** Owner **Y**

Owner **K & A HOLDINGS LLC**

Viewing Permit <-- Select the information you would like to view.

City of Puyallup
Online Development Services

Permit | Logon | Help | Contact

Z-00-1815

Applied	Approved	Issued	Final	Expires
03/01/2001		07/12/2001	07/12/2002	06/27/2008

Type **CONVERTED LEGACY PERMITS**

Status **final**

Permit Description

REFACE SIGN AT PUYALLUP SUBARU

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **I FIVE SIGNS INC** Owner **N**

Owner **PARKS KENNETH**

Viewing Permit <-- Select the information you would like to view.

Details

LEGACY PERMIT NUMBER	**14830**
LEGACY PERMIT STATUS	**Expired**

Pierce County

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214807

10/23/2013 07:02 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Tax/Assessment	
Value Area:	PI2	**Current Tax Year:**	2014
Appr Acct Type:	Commercial	**Taxable Value:**	2,529,200
Business Name:	FRIENDLY CHEVROLET	**Assessed Value:**	2,529,200
Last Inspection:	06/16/2008 - New Construction		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 2000203421 2818070636

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 44 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLO ED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD SEG F 0740

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
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Pierce County

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214014

11/04/2013 03:32 PM

Property Details

Parcel Number:	0420214014
Site Address:	506 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Appraisal Details

Value Area:	PI2
Appr Acct Type:	Commercial
Business Name:	
Last Inspection:	04/10/2008 - Physical Inspection

Tax/Assessment

Current Tax Year:	2014
Taxable Value:	485,200
Assessed Value:	485,200

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: n/a

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : COM AT A STONE MON AT INTER OF 7TH AVE NW & 4TH ST NW TH N 1040.33 FT TO CENT OF HWY TH N 20 DEG 21 MIN W 332 FT TH S 53.33 FT TO IRON PIPE & POB TH S 325 FT TH W 93.76 FT TH N 359.78 FT TH S 69 DEG 39 MIN E 100 FT TO POB

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Pierce County

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214057

11/04/2013 03:34 PM

Property Details

Parcel Number:	0420214057
Site Address:	XXX 4TH ST NW
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	6310-GEN WAREHOUSING STORAGE

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Appraisal Details

Value Area:	PI2
Appr Acct Type:	Commercial
Business Name:	
Last Inspection:	04/10/2008 - Physical Inspection

Tax/Assessment

Current Tax Year:	2014
Taxable Value:	301,800
Assessed Value:	301,800

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: n/a

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : TR OF LD IN SEC 21 & 28 DESC AS FOLL BEG AT SW COR OF PROP CYD TO BRUCE A MERCER POST #67 OF AMERICAN LEGION #1855113 TH E ALG S LI OF SD AMERICAN LEGION PROP 93.76 FT M/L TO PROP CYD TO LLOYD L GRAND #1653368 TH S ALG W LI OF SD GRANT PROP 172.57 FT M/L TO SW COR THEREOF TH S 72 DEG 27 MIN 20 SEC W TO INTER W LI OF ABOVE MENTIONED AMERICAN LEGION PROP EXTENDED S TH N ALG W LI OF SD AMERICAN LEGION PROP EXTENDED TO POB SUBJ TO EASE #1926238 OUT OF 4-106 SEG M-1294 GD JES

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Pierce County

Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214807

10/23/2013 07:03 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2014	2,529,200	2,529,200	1,869,700	659,500	0	0	06/24/2013
2013	2,521,000	2,521,000	1,869,700	651,300	0	0	06/22/2012
2012	2,705,500	2,705,500	2,071,900	633,600	0	0	06/27/2011
2011	2,930,900	2,930,900	2,173,000	757,900	0	0	06/21/2010
2010	3,249,700	3,249,700	2,400,400	849,300	0	0	07/17/2009
2009	3,353,800	3,353,800	2,526,700	827,100	0	0	09/19/2008
2008	2,594,200	2,594,200	1,999,400	594,800	0	0	06/22/2007
2007	2,103,500	2,103,500	1,536,100	567,400	0	0	06/12/2006
2006	1,316,500	1,316,500	718,900	597,600	0	0	10/07/2005

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 10/23/2013**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Official Payments Corporation** at **1-800-487-4567**

Tax Year	Charge Type	Amount Paid
2013	Property Tax Principal	36,215.46
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,534.30
	Pierce Conservation District Principal	4.72
	Total 2013	**38,756.40**
2012	Property Tax Principal	34,563.47
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,098.00
	Pierce Conservation District Principal	5.00
	Total 2012	**36,668.39**
2011	Property Tax Principal	36,190.06
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2011	**38,230.94**
2010	Property Tax Principal	36,577.28
	Weed Control Principal	1.61
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2010	**38,617.85**
2009	Property Tax Principal	34,121.32
	Weed Control Principal	1.61
	Pierce Conservation District Principal	5.00
	Total 2009	**34,127.93**
2008	Property Tax Principal	27,123.70
	Weed Control Principal	1.61
	Pierce Conservation District Principal	5.00
	Total 2008	**27,130.31**

Tax Code Areas

Tax Year	TCA	Rate
2014	096	0.000000
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927
2008	090	10.455517
2007	090	11.277173
2006	090	13.019260

Receipts

Date	Number	Amount Applied
10/17/2013	7260541	19,378.20
04/30/2013	7120627	19,378.20
10/19/2012	6674328	18,334.20
04/24/2012	6435119	18,334.19
01/11/2012	6281150	19,115.47
04/25/2011	5805192	19,115.47
10/29/2010	5593607	19,308.93
04/22/2010	5178555	19,308.92
10/29/2009	4996925	17,063.97
04/30/2009	4766156	17,063.96
11/03/2008	4476294	13,565.16
05/05/2008	4214816	13,565.15
10/19/2007	3710788	11,864.07
05/04/2007	3609277	11,864.07
10/27/2006	3245918	8,573.24
04/24/2006	2905940	8,573.23
10/21/2005	2633459	8,284.90

2007	Property Tax Principal	23,721.53	04/22/2005	2389069	8,284.90
	Weed Control Principal	1.61	11/01/2004	2142200	7,655.49
	Pierce Conservation District Principal	5.00	05/05/2004	1898547	7,655.49
	Total 2007	**23,728.14**			
2006	Property Tax Principal	17,139.86			
	Weed Control Principal	1.61			
	Pierce Conservation District Principal	5.00			
	Total 2006	**17,146.47**			

ULID Information

Click here for ULID information

Pierce County Assessor-Treasurer
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Pierce County

Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214807

10/23/2013 07:04 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		
Location:		**Size**	
LEA:	2052	**SF:**	120,788
RTSQQ:	04-20-21-44	**Acres:**	2.77
		Front Ft:	392
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Pierce County

Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214807

10/23/2013 07:04 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Building ID: 1 2 — **2 building(s) on this parcel**

General Characteristics

Property Type:	Commercial	**SF:**	12,611	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	21,681	**Total Bsmnt. SF:**	0
Quality:	Fair	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Service Garage	1953	1978	6,706	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0
Showroom	1953	1990	5,905	1	n/a	n/a	n/a	Masonry	n/a	Forced Air	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	74,700
Add On	Canopies WD FR (Gd)	1,900
Basement	Storage	7,790

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Pierce County

Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214807

10/23/2013 07:05 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Building ID: 1 2 — **2 building(s) on this parcel**

General Characteristics

Property Type:	Commercial	**SF:**	4,160	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	4,160	**Total Bsmnt. SF:**	0
Quality:	Fair	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	Auto Related	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Service Garage	1953	1961	2,880	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0
Service Garage	1961	1961	1,280	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Garage D Cls AV SF	3,552

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Pierce County

Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214807

10/23/2013 07:05 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4251216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
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Pierce County

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214808

11/04/2013 03:26 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Tax/Assessment	
Value Area:	PI2	**Current Tax Year:**	2014
Appr Acct Type:	Commercial	**Taxable Value:**	7,700
Business Name:		**Assessed Value:**	7,700
Last Inspection:	04/10/2008 - Physical Inspection		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 1200127008

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 44 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLOSED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD BLDG ONLY SEG F 0740

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Pierce County

Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214808

11/04/2013 03:27 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: 1

1 building(s) on this parcel

General Characteristics

Property Type:	Commercial	**SF:**	329	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	329	**Total Bsmnt. SF:**	392
Quality:	Low	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Office Building	1965	1965	329	1	n/a	n/a	n/a	Wood Frame	n/a	Forced Air	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	WD 100 Sq Ft	105
Basement	Unfinished	392

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Pierce County

Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214808

11/04/2013 03:30 PM

Property Details

Parcel Number:	0420214808
Site Address:	400 RIVER RD
Account Type:	Structures
Category:	Leased Land and/or Structure
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

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ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
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4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

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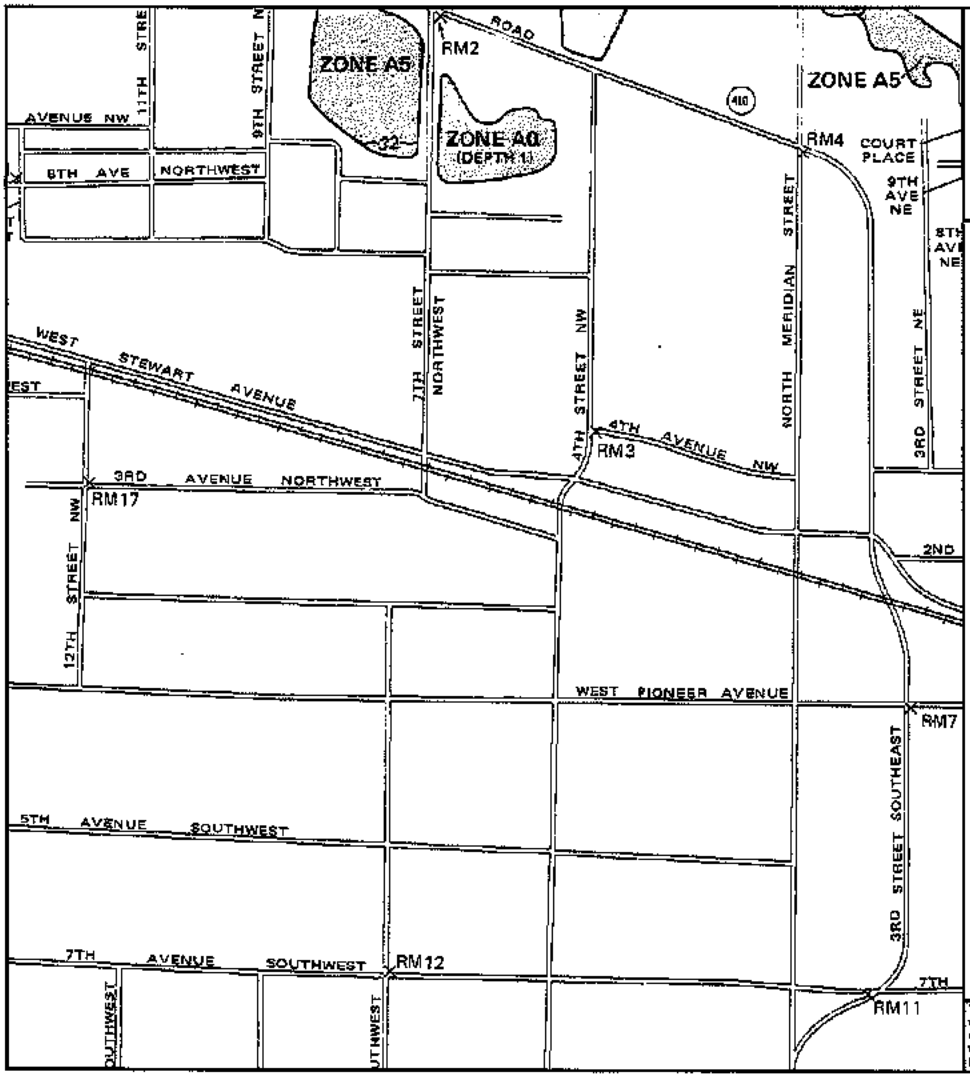
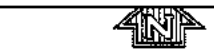
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr





APPROXIMATE SCALE IN FEET

800 0 800

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

CITY OF
PUYALLUP,
WASHINGTON
PIERCE COUNTY

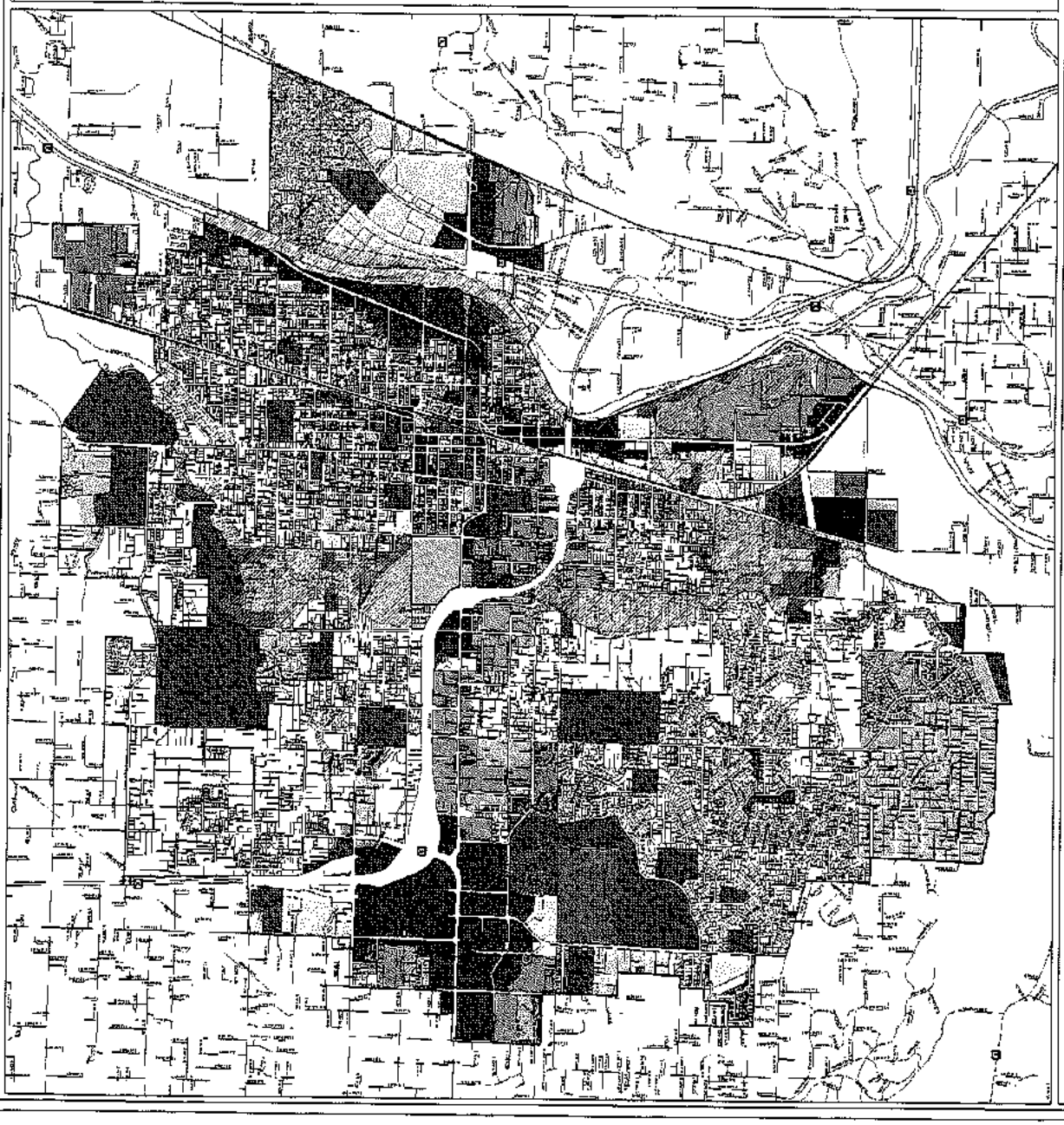
ONLY PANEL PRINTED
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
530144 0005 B

EFFECTIVE DATE:
AUGUST 15, 1980

Federal Emergency Management Agency

CITY OF PUYALLUP ZONING MAP



MAP LEGEND

- City Limits
- Agriculture Overlay
- Fair Parking Overlay
- Shaw-East Pioneer Overlay
- River Road Design Review Overlay
- Flood Plain (A Zone) Overlay
- Flood Plain (X500 Zone) Overlay
- OP - Professional Office
- CB - Community Business
- CBD - Central Business District
- CBD-CORE - Central Business District Core
- CC - General Commercial
- CL - Limited Commercial
- RMX - River Road Mixed Use
- CMX - Shaw-Pioneer Community Mixed Use
- ML - Limited Manufacturing
- MP - Business Park
- PDC - Planned Community Development
- PDR - Planned Residential Development
- RM-10 - Medium Density Multiple-Family Residential
- RM-20 - High Density Multiple-Family Residential
- RMF-CORE - Downtown-Oriented High Density Multiple-Family Residential
- RS-04 - High Urban Density Single-Family Residential
- RS-06 - Urban Density Single-Family
- RS-08 - Medium Density Single-Family
- RS-10 - Low Urban Density Single-Family Residential
- RS-35 - Very Low Density Single-Family Residential
- PF - Public Facilities
- MED - Medical
- FAIR - Fair
- ARO - Agriculture, Recreation and Open Space

HR Properties on City of Puyallup's Historical Register

MUNICIPAL FACTS
Population: 37,920 (April 1, 2012)
Area: 14.22 Square Miles (July 1, 2013)

THIS IS AN OFFICIAL MAP.
Please contact the Planning Division for site specific information.
Pierce County GIS is tax parcel data source.

Disclaimer

0 1,000 2,000 4,000
Feet
1" = 1,000'

July 1, 2013

City of Puyallup
Information Technology Department

N
W E
S

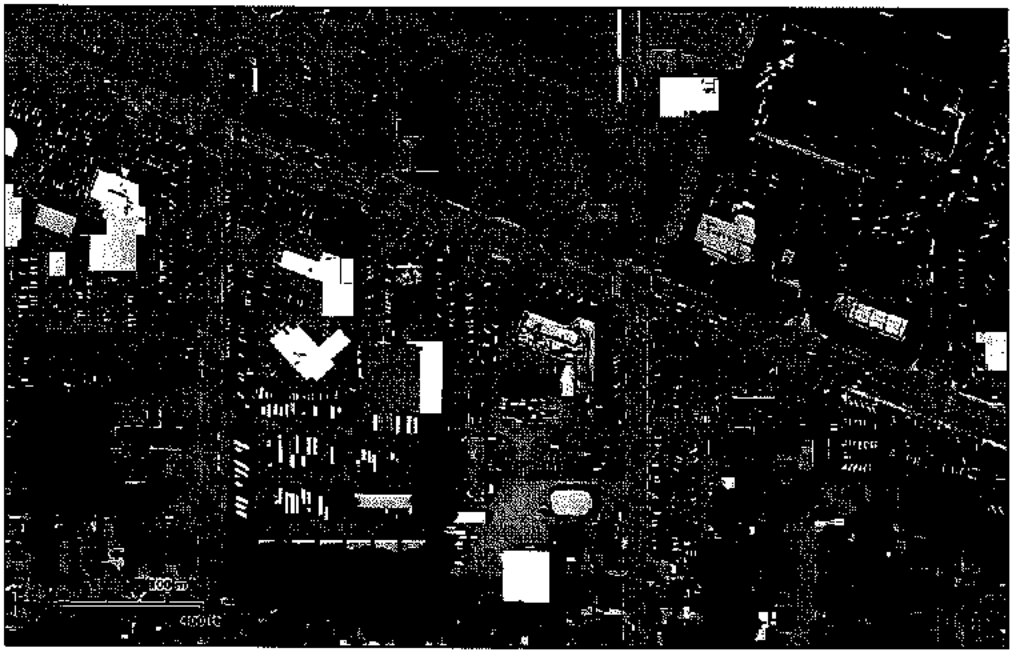
File Name: pwy\planning\zoning\zoning_c.mxd

U.S. Fish and Wildlife Service

National Wetlands Inventory

USFWS Wetland Map

Nov 3, 2013



Wetlands

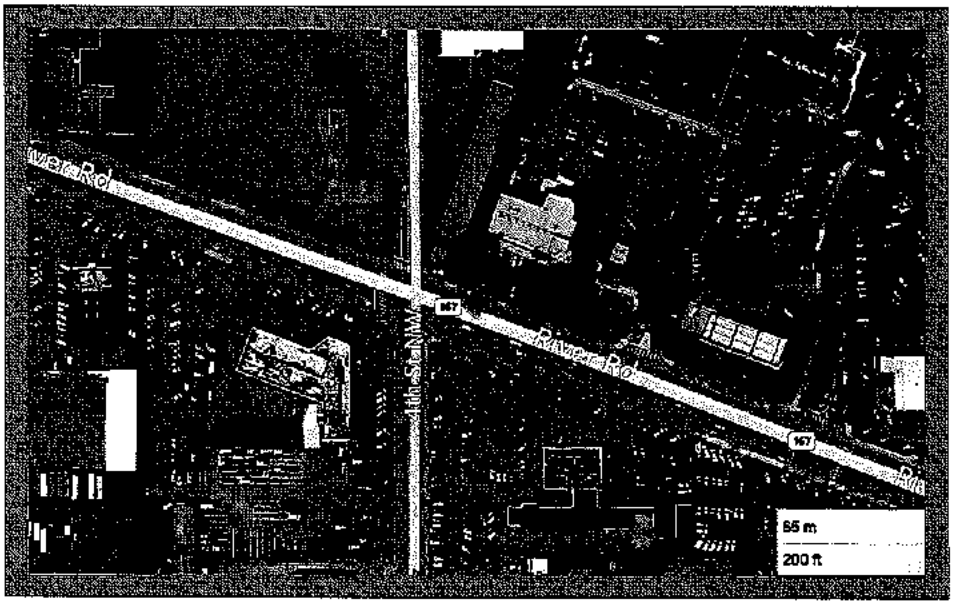
- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

400 River RoadPuyallup, WA 98731

Facility/Site: Greg Carters Puyallup Chev Subaru
68989278

Also known as: FRIENDLY CHEV OF PUYALLUP, Friendly Chevrolet, PUYALLUP CHEVROLET GEO SUBARU INC



Address

400 RIVER RD

Decimal Coordinates

Latitude: 47.19994

Longitude: -122.29846

PUYALLUP WA 98371

Geographic Information

Ecology Region: SWRO	Legislative District: 25	WRIA: 10
County: Pierce	Congressional District: 10	Tribal Land: No

Ecology Interactions

Interaction Description	Ecology Program	Ecology Program Phone	Program ID	Start Date	End Date
Local Source Control	HAZWASTE	(360) 407-6850		3/4/2009	4/29/2010
Underground Storage Tank	TOXICS	(360) 407-7224	97772	3/20/2000	5/6/2004
Hazardous Waste Generator	HAZWASTE	(360) 407-6023	WAD988484598	4/2/1991	12/31/2002

Industrial Codes (External Links Below)

NAICS Code	NAICS Description
44111	New Car Dealers

SIC Code	SIC Description
5511	NEW AND USED CAR DEALERS

13-111058.1

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

The following questionnaire is required by the new ASTM Standard E 1527-05, which adheres to the new All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the *"party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager."*

SUBJECT PROPERTY ADDRESS:	400 RIVER ROAD
SUBJECT PROPERTY CITY, STATE ZIP:	PUYALLUP, WA 98371

1. **Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25)**

   Are you aware of any environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state or local law?

   ☐ YES ☒ NO

2. **Activity and land use limitations that are in place on the site or that have been filed or records in a registry (40 CFR 312.26)**

   Are you aware of any activity and land use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Subject Property and/or have been filed or recorded in a registry under federal, tribal, state or local law?

   ☐ YES ☒ NO

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

   As the User of this report, do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or adjoining property?

   ☒ YES ☐ NO

4. **Relationship of the purchase price to the fair market value of the Subject Property if it were not contaminated (40 CFR 312.29)**

   Does the purchase price being paid for the Subject Property reasonably reflect the fair market value of the Subject Property? If so, why?

   ☒ YES ☐ NO

13-111058.1

5. **Commonly known or reasonably ascertainable information about the Subject Property (40 CFR 312.30)**
Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of release or threatened release?

☐ YES ☒ NO

---

a. Do you know the past uses of the Subject Property?

☒ YES ☐ NO

---

b. Do you know of specific chemicals that are present or once were present at the Subject Property?

☐ YES ☒ NO

---

c. Are you aware of any spills or other chemical releases that have taken place at the Subject Property?

☐ YES ☒ NO

---

d. Do you have any prior knowledge that the Subject Property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past?

☐ YES ☒ NO

---

e. Are you aware of historical use of hazardous materials or petroleum products used or present on the Subject Property?

☐ YES ☒ NO

---

f. Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks?

☐ YES ☒ NO

---

g. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the Subject Property by any owner or occupant of the Subject Property?

☐ YES ☒ NO

13-111058.1

6. **The degree of obviousness of the presence or likely presence of contamination at the Subject Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**
   As the User of this report, are there any obvious indicators that point to the presence or likely presence of contamination at the Subject Property based on your knowledge and experience related to the Subject Property?
   ☐ YES ☑ NO

Signature of User/Person Interviewed: N Pkey

Name of User/Person Interviewed: N Pkey

Title/Relationship to Subject Property: Opr mgr

Phone Number/Email: 253-256-4603

Date: 10/24/13

Contact for additional information:

Name: _____

Relationship to Subject Property: _____

Phone Number/Email: _____

13-111058.1

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

1. PROPERTY INFORMATION:

Property Name:		
Property Address: 400 RIVER ROAD		
City PUYALLUP	State WA	Zip 98371
Assessor's Parcel Number 0420214808 & 0420214807		
Property Owner & Contact Information: R & A HOLDINGS, LLC		
Date Property Owner Purchased:		
Key Site Manager & Contact Information:		

2. COMPLETED BY

Signature	Date 10/24/13
Printed Name	Relation to Subject Property

3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? yes

(If yes, please provide copies)

4. PROPERTY DESCRIPTION

Property Size: 21,681 Number of Building(s): 8 -

Size of Building(s): 6,706 & 5,905 ±

Date of Construction: 1953

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail (Commercial) Industrial Office

Other: AUTOMOTIVE DEALERSHIP

Please provide Rent Roll if Applicable.

Historical Use of Property: auto dealers

PARTNER

13111058.1

5. Surrounding Property Uses

Direction	Use
North	Commercial/Vacant Parcel Lot
South	Moving & Storage
East	Automotive Dealers
West	Automotive Dealers

Are you aware of any potential environmental concerns associated with surrounding properties?

_____ YES _X_ NO

If yes, please describe: ———

6. Utilities & Services

Please provide the name of the utility or contractor providing the following:

Electric	PSE	Bio-hazardous Waste	None
Gas	PSE	Elevator Maintenance	None
Potable Water	City	Used Grease	Contractor
Sanitary Sewer	City of Puyallup	Hazardous Waste	Environmental Control

7. On Site Operations

Are you aware of any of the following conditions, either past or present, on the property?		
Condition	Response	If yes, please describe
1. Stored Chemicals	☐ Yes ☐ No	Semi-Detail + Used oil work
2. Underground Storage Tanks	☐ Yes ☐ No	
3. Aboveground Storage Tanks	☐ Yes ☒ No	
4. Spills or Releases	☐ Yes ☒ No	
5. Dump Areas/Landfills	☐ Yes ☒ No	
6. Waste Treatment Systems	☒ Yes ☐ No	
7. Clarifiers/Separators	☒ Yes ☐ No	
8. Vents/Odors	☐ Yes ☒ No	
9. Floor Drains/Sumps	☒ Yes ☒ No	
10. Stained Soil	☐ Yes ☒ No	
11. Electrical Transformers	☐ Yes ☒ No	
12. Hydraulic Lifts/Elevators	☒ Yes ☐ No	
13. Dry Cleaning Operations	☐ Yes ☒ No	
14. Oil/Gas/Water/Monitoring Wells	☐ Yes ☒ No	
15. Environmental Permits	☒ Yes ☐ No	

PARTNER

APPENDIX D: QUALIFICATIONS

PARTNER

Daniel Stallings, REPA

Project Manager

PARTNER
Engineering and Science, Inc.

Education

CSWK Project Management-American Intercontinental University
B.S. Environmental Science-Regis University
Certificate Meteorology/Oceanography- Naval Technical Training Unit Keesler
ASF Military Sciences- US Naval ASF Academy at University of Maryland

Registrations

Registered Environmental Property Assessor-National Registry of Environmental Professionals
Certified Testing Specialist-Environmental Assessment Association
Certified Environmental Inspector-Environmental Assessment Association
AHERA Certified Building Inspector-AHERA
Licensed Asbestos Abatement Consultant-NV Occupational Safety & Health Administration
Certified Ultra Trace Element Analyst-FL Department of Environmental Protection
OSHA Certifications Hazardous Materials Operations Certified-OSHA (29CFR1910.120 & 1926.65 HAZWOPER)
Registered Environmental Assessor-CA Department of Toxic Substance Control
EPA Lead Paint Inspector-U.S. Environmental Protection Agency
SLAC50 Safety Certified Contractor

Summary of Professional Experience

Mr. Stallings has 14 years of experience in the environmental, engineering, and/or industrial hygiene service industries. He has significant experience in due diligence assessments for a variety of property types and the needs and requirements of varied number of reporting standards, including ASTM standards, EPA's All Appropriate Inquiry (AAI), and customized client formats. Specifically, Mr. Stallings has performed Phase I Environmental Site Assessments, Environmental Transaction Screens, Phase II and III Subsurface Investigations, Remediation Projects, Regulatory Compliance Assessments, Asbestos Surveys, Lead-based Paint Surveys, Radon Studies, Mold Assessments, and Lead-in-water sampling and analysis.

Mr. Stallings has completed numerous ASTM Environmental Site Assessments for a diverse variety of properties and purposes across the United States. These properties have included communications facilities, military and government facilities, vacant lots, industrial facilities, commercial agricultural tracts, commercial properties, retail facilities, educational facilities and multi-family residential properties.

Mr. Stallings has served as a project scientist on multiple environmental projects involving dredging and turbidity, regulatory permitting, flood water diversion and wetland assessment. He has worked on Florida Everglades restoration/reclamation projects, coastal erosion assessments and engineered wetland projects.

Mr. Stallings served as a project scientist on multiple projects across the United States involving soil and ground water remediation for industrial facilities including several Federal and State

managed remediation projects. He has provided expertise in monitoring well design, environmental drilling, contamination plume delineation, free product and vapor recovery, site specific testing plans, analytical data interpretation and quality control.

Mr. Stallings served as an environmental consultant and environmental work site supervisor on multiple commercial construction projects across the United States involving the dewatering of impacted groundwater and the excavation of impacted soils. He has provided expertise in site worker health and safety and in impacted soil & groundwater management.

In addition to environmental assessments, Mr. Stallings has prepared and managed numerous NEPA consultation projects, compliance audits, biological assessments and other various environmental assessments for telecommunications sites. Mr. Stallings has helped various clients facilitate the Section 106 / environmental review process to ensure compliance with Federal Communications Commission (FCC) requirements under the National Environmental Policy Act (NEPA).

Mr. Stallings served as a senior field technician, an analytical chemist, a data quality officer and a laboratory manager at a NELAP certified facility for over five years. He specialized in long-term soil and ground water monitoring, agrichemical, petrochemical and metals analysis. Mr. Stallings has extensive academic and hands on training and is certified as an Environmental Field Technician by the Florida Department of Environmental Protection. Additionally, he is certified in ultra-trace sampling procedures and analysis.

Mr. Stallings served in the United States Navy as a member of the U.S. Mobile Environmental Team and on the United States Armed Forces Expeditionary Team as an active duty scientist for over five years. During this period, he responded to the Navy's environmental emergencies both nationally and abroad containing hazardous materials spills associated with military activity in accordance with NAVOSH. Additionally, Mr. Stallings installed, monitored & maintained remote meteorological, geological & oceanographic monitoring equipment. Mr. Stallings continued military service in the U.S. Naval Reserve as a Meteorologist for the USS John F. Kennedy Carrier Group for an additional three years.

Finally, Mr. Stallings' diversity across residential, agricultural, industrial, natural, municipal, and commercial environments is a major contribution to Partner Engineering and Science's team in the Pacific Northwest region of the United States.

Lyly Churchill, REA
Senior Project Manager

PARTNER
Engineering and Science, Inc.

Education
M.A. Environmental Studies, Brown University
B.S. Biology, University of California, Los Angeles - Emphasis in Ecology, Behavior and Evolution

Registrations
California Registered Environmental Assessor (REA I –08070)
EPA Accredited Asbestos Inspector
California Underground Storage Tank Inspector

Summary of Professional Experience

Ms. Churchill has eight years of experience in the environmental service industry. Ms. Churchill's background in environmental science and direct experience in environmental consulting and enforcement allow her to offer the most effective means of regulatory compliance.

Ms. Churchill has project experience in Phase I Environmental Site Assessments (ESAs), Environmental Transaction Screens, radon screening, asbestos inspections, and lead-based paint inspections. In addition, Ms. Churchill has project management experience in Property Condition Assessments, Physical Needs Assessments, seismic evaluations and ALTA surveys. Ms. Churchill is familiar with all aspects of Due Diligence Property Assessments and the needs and requirements of a varied number of reporting standards, including ASTM, EPA's All Appropriate Inquiry (AAI), U.S. Small Business Administration's (SBA) SOP 50 10, Fannie Mae DUS, Freddie Mac, HUD, and customized client formats.

Ms. Churchill has performed and supervised over 1,000 Phase I Environmental Site Assessments and Environmental Transaction Screens for lenders and buyers. As a senior member of the Due Diligence staff, Ms. Churchill provides senior review expertise to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments and Environmental Transaction Screens.

Furthermore, Ms. Churchill has working experience in performing biological and noise assessments, and in preparing and reviewing environmental documentation in support of CEPA and NEPA.

While in graduate school, Ms. Churchill's Masters Thesis research focused on evaluating the potential of Japanese Knotweed (an invasive plant species) as an effective phytoremediator of heavy metal contaminated soils along a historically polluted river in Rhode Island. Phytoremediation refers to the natural ability of certain plants called hyperaccumulators to

bioaccumulate contaminants in soil. Hyperaccumulators can be grown and harvested economically, leaving the soil with a greatly reduced level of toxic contamination.

Project experience for Ms. Churchill includes:

- Completed hundreds of Phase I Environmental Site Assessments and Environmental Transaction Screens on multi-family properties, commercial office buildings, retail shopping centers, gasoline service stations, hotels, dry cleaning plants, auto repair and auto body shops, industrial warehouse buildings, aerospace manufacturers, plating facilities, and various manufacturing operations throughout the U.S.
- Reviewed and evaluated hundreds of third-party Phase I, Phase II and Phase III reports
- Managed Phase I and PCA portfolio projects involving properties throughout the United States, including large apartment complexes and shopping malls
- Assisted on several Phase II investigations of gasoline service stations, dry cleaning facilities and industrial sites
- Conducted several asbestos and lead-based paint inspections of commercial and residential properties
- Performed water sampling on several residential properties to detect the presence of lead in water
- Conducted radon testing at several residential properties throughout Southern California and Nevada
- Conducted biological surveys including endangered species surveys, and performed research on historical, physical and cultural resources in support of Environmental Impact Reports

Ms. Churchill worked for the City of El Segundo, where she regularly collaborated with other local CUPAs to ensure compliance with State and Federal regulations. Ms. Churchill's responsibilities included implementing and enforcing elements of the CUPA program including the following: hazardous waste generator program; underground storage tank program; Hazardous Material Release Response Plan (Business Plan) Program and the California Accidental Release Response Plan (CalARP) Programs. Ms. Churchill also worked on enforcing city specific environmental programs such as Stormwater Pollution Prevention and Industrial Wastewater Discharge. As the Principal Environmental Specialist for the City, Ms. Churchill worked with large industries such as Chevron, Northrop Grumman, Boeing and International Rectifier to ensure regulatory compliance pertaining to business operations and remedial activities.

Ms. Churchill has technical experience working for the following financial institutions:

- JPMorgan Chase
- Citigroup Global Markets
- Wells Fargo Bank
- California Bank and Trust
- Union Bank of California
- East West Bank
- Comerica Bank
- Northmarq Capital
- Morgan Stanley Mortgage Capital, Inc.
- Bank of America

APPENDIX C

PHOTOGRAPHS

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 1	Date: 12/20/2019

Direction Photo Taken:

Southeast

Description:

Main Building - Showroom area.

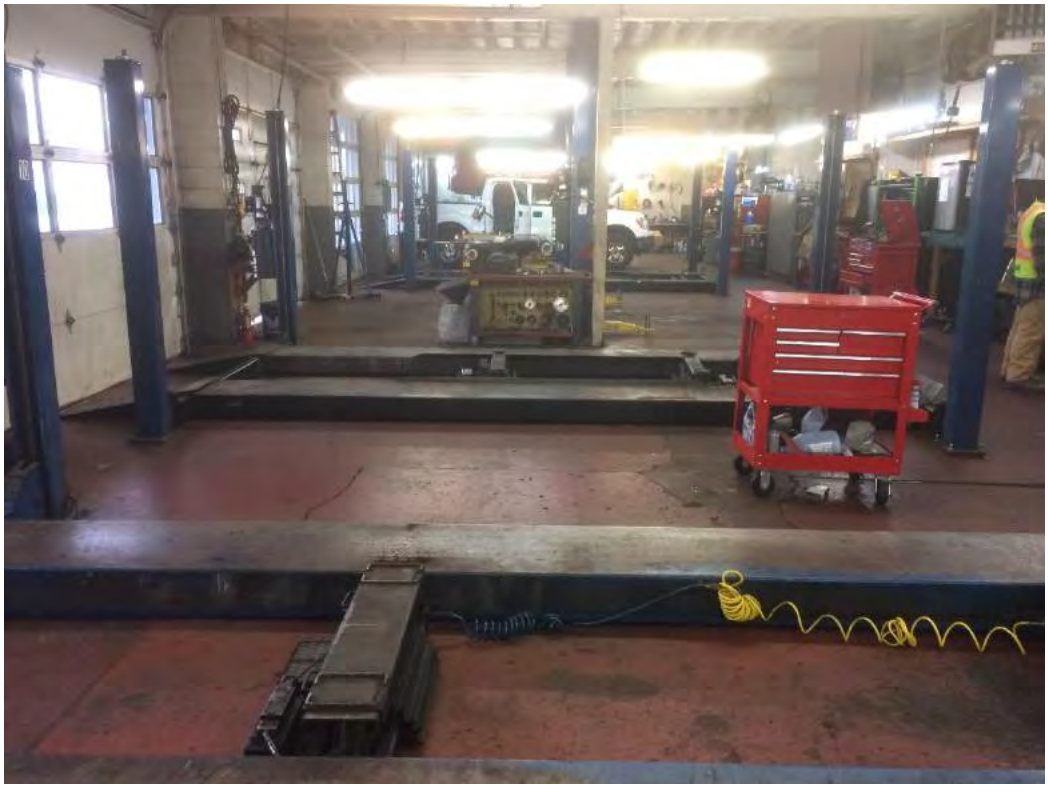
Photo No. 2	Date: 12/20/2019

Direction Photo Taken:

General View

Description:

North Shop- 7 Service bays currently with above ground hoists, and three ASTs containing new and used engine oil. Services include general vehicle maintenance.



AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 3	Date: 12/20/2019

Direction Photo Taken:

West

Description:

South Shop, includes 8 services bays, currently with above ground hoists, and two ASTs containing engine oil. Services include general vehicle maintenance and repair. Patches on floor represent former in ground hydraulic hoist locations.

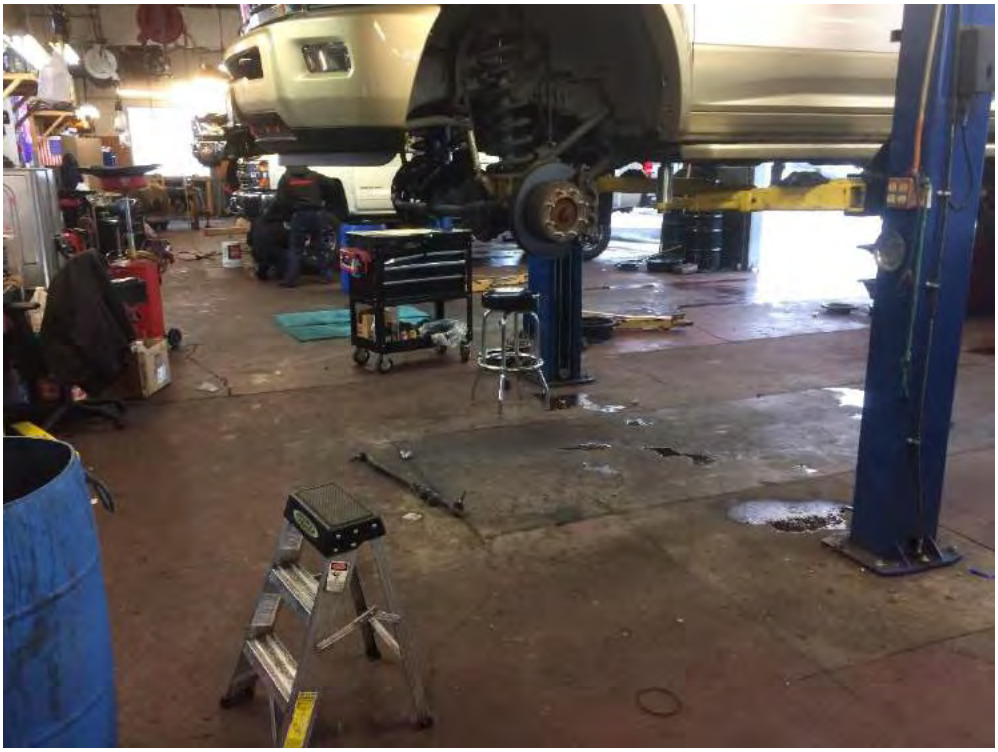


Photo No. 4	Date: 12/20/2019

Direction Photo Taken:

Northwest

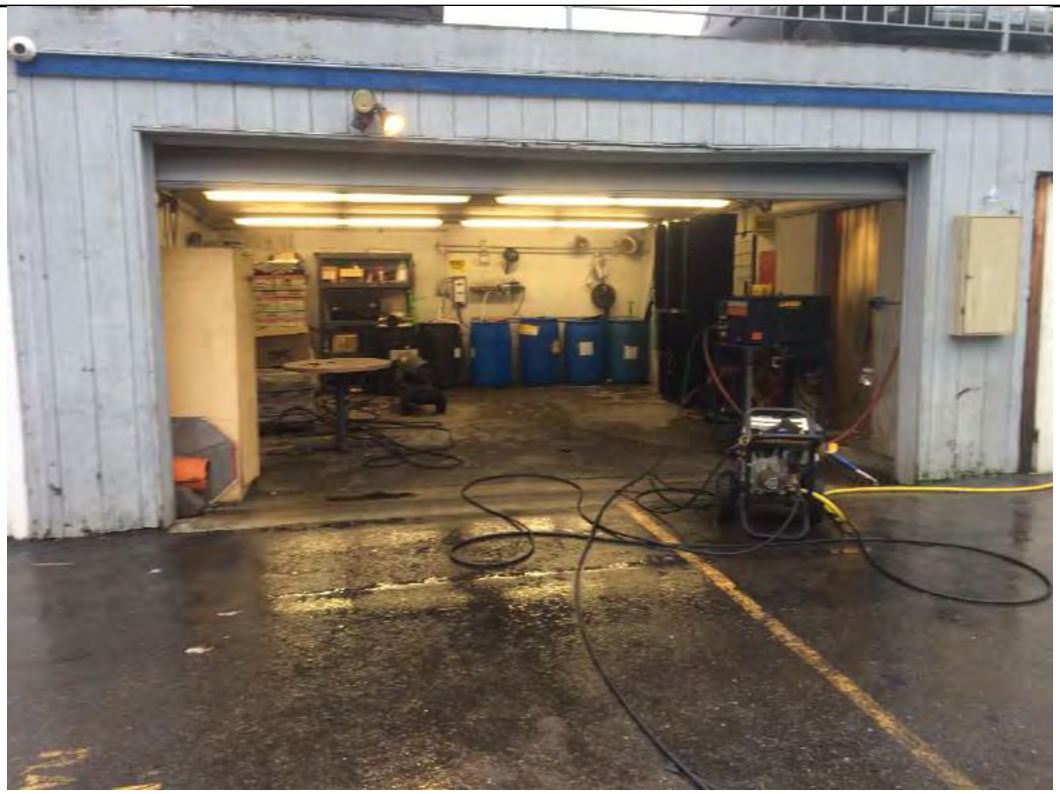
Description:

Lower Shop, includes 3 vehicle services bays, a tire bay on the north end, and a room on the south end containing two oil ASTs and a compressor.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 5	**Date:** 12/20/2019
Direction Photo Taken: South	
Description: Covered vehicle wash bay area. Surrounding wash bay includes sump pump, Oil-Water- Separator, and some chemicals for cleaning vehicles.	

Photo No. 6	**Date:** 12/20/2019
Direction Photo Taken: East	
Description: Building adjacent to the wash bay, containing multiple drums of vehicle washing chemicals.	



AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 7	**Date:** 12/20/2019

Direction Photo Taken:

Northwest

Description:

North Shop, Bay 15, large floor cut may be associated with former in ground hoists.

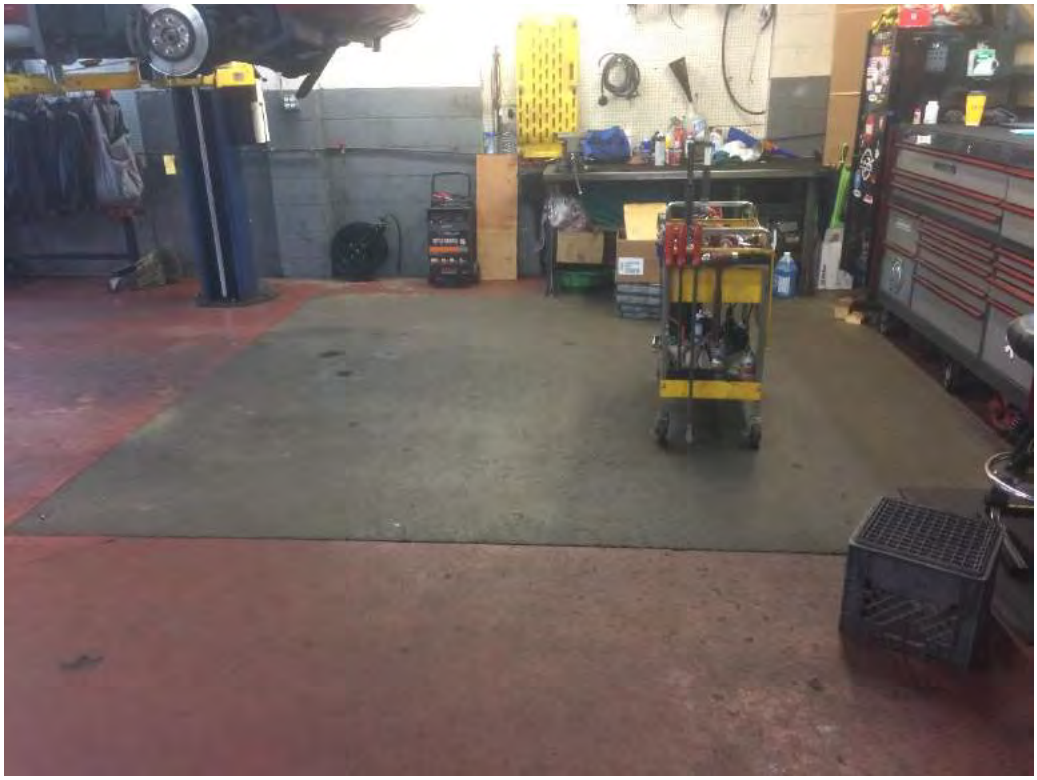


Photo No. 8	**Date:** 12/20/2019

Direction Photo Taken:

North

Description:

North Shop, Bay 9, floor cut which is indicative of apparent former In-ground Hoist.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 9	Date: 12/20/2019

Direction Photo Taken:

Northwest

Description:

North Shop, near bay 12 is a used oil AST, approximately 465 gallons

Photo No. 10	Date: 12/20/2019

Direction Photo Taken:

North

Description:

North Shop, near bay 12 is a new oil AST, approximately 465 gallons

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 11	**Date:** 12/20/2019
Direction Photo Taken: North	
Description: South Shop, bay 7, patched floor from where former in-ground hoist system was reportedly removed.	

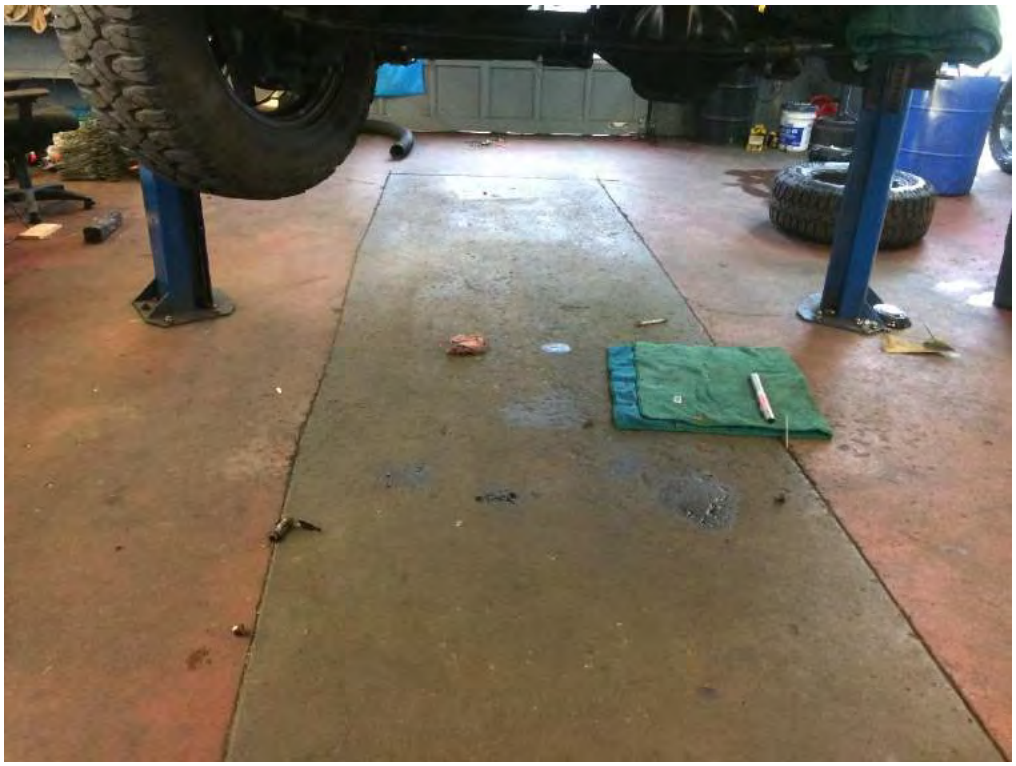
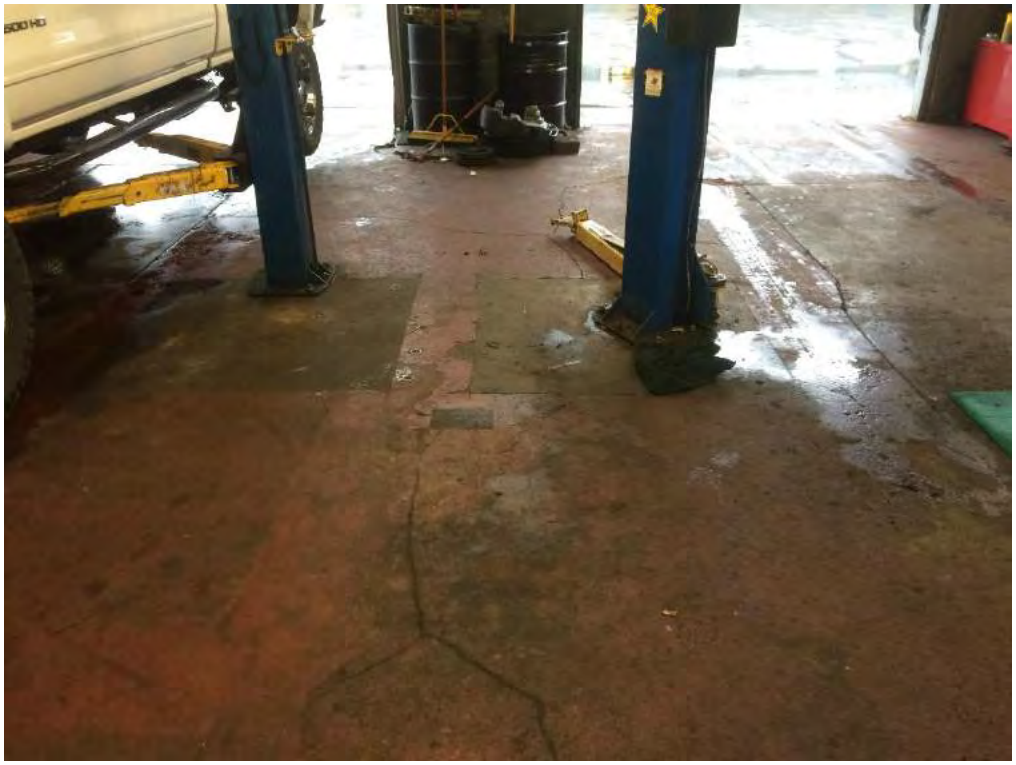


Photo No. 12	**Date:** 12/20/2019
Direction Photo Taken: North	
Description: South Shop, in-between bay 5 and bay 6 has patched floors where hoist systems presumably were located in the past. Interview with employee noted this shop historically had in-ground hoist systems for vehicle maintenance.	



AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 13	**Date:** 12/20/2019

Direction Photo Taken:

Southwest

Description:

South Shop, ASTS containing new motor oil, approximately 465 gallons each.

Photo No. 14	**Date:** 12/20/2019

Direction Photo Taken:

South

Description:

South Shop, near bay 1 which has the widest floor crack noted in shops. Multiple cracks this size near bay 1.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 15	Date: 12/20/2019

Direction Photo Taken:

East

Description:

South Shop, near bay 1 there is an apparent exhaust duct in northeast corner.

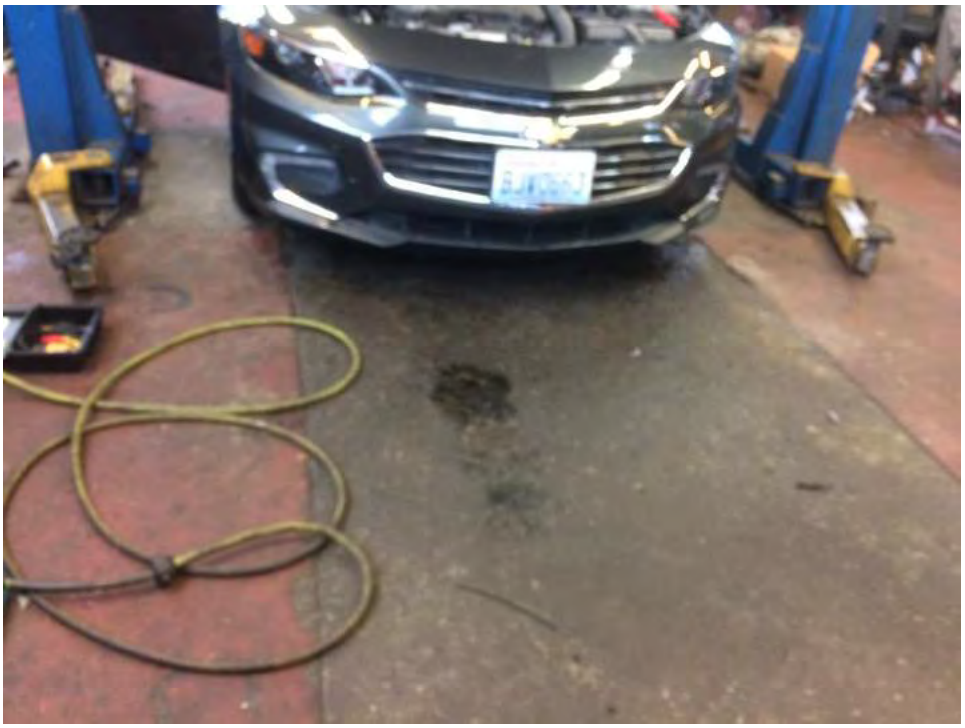
Photo No. 16	Date: 12/20/2019

Direction Photo Taken:

North

Description:

South Shop, bay 8, patched floor from where former in-ground hoist system was reportedly removed.



AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 17	Date: 12/20/2019

Direction Photo Taken:

South

Description:

Lower shop general overview of service bays.

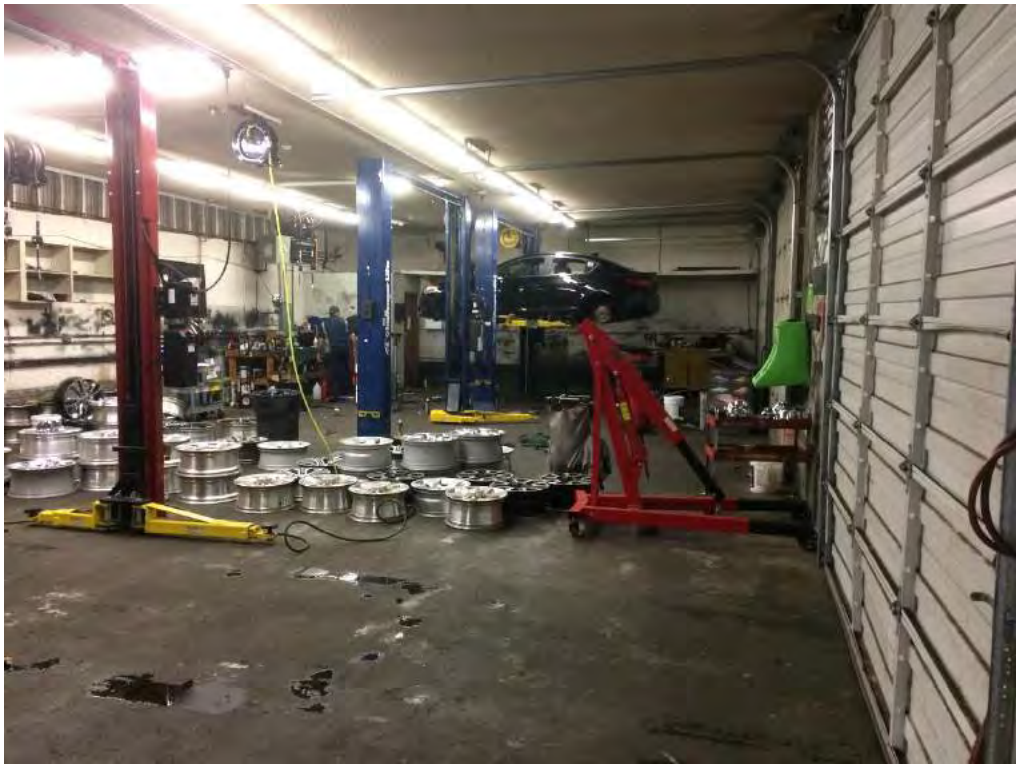


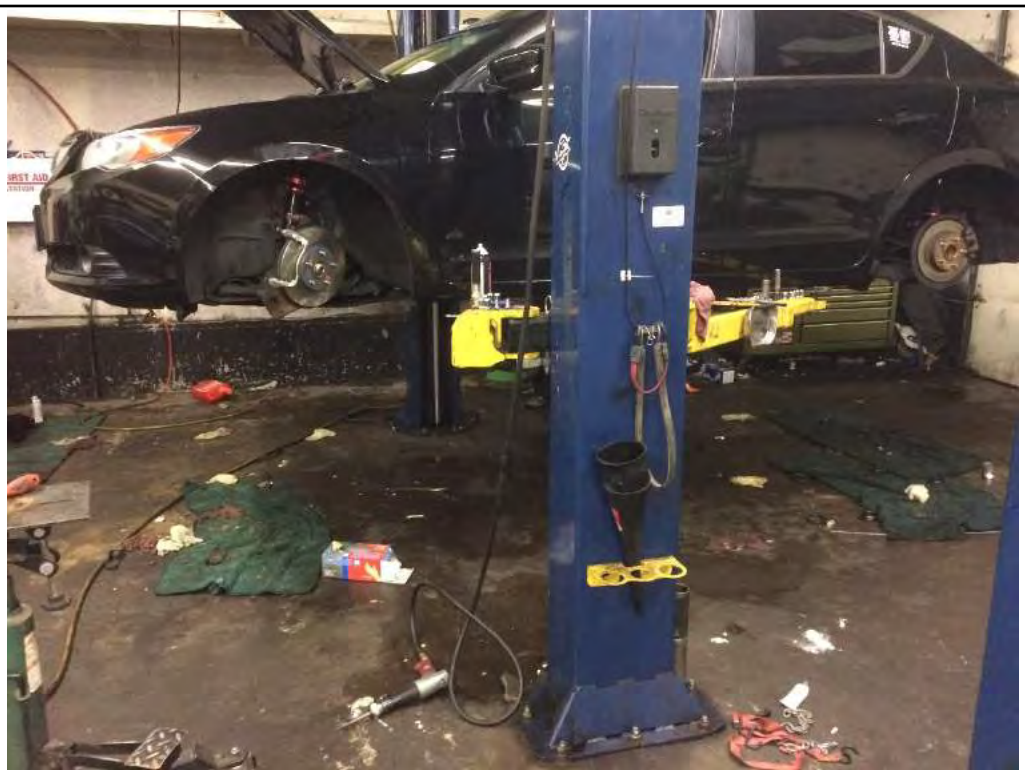
Photo No. 18	Date: 12/20/2019

Direction Photo Taken:

South

Description:

Lower shop furthest south service bay. Noteably stained and cluttered. Unable to discern whether heavily stained or just wet from vehicle recently moved indoors and dripping from rain.



AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 19	**Date:** 12/20/2019

Direction Photo Taken:

East

Description:
Lower Shop, south room where ASTs for new motor oil are located. Back room is used as miscellaneous storage and for ASTs and Compressors. Equipment is used for service bays in connecting building.

Photo No. 20	**Date:** 12/20/2019

Direction Photo Taken:

East

Description:

Lower shop, back room where compressors for service bays are located. Compressors are across the room from ASTs.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 21	Date: 12/20/2019

Direction Photo Taken:

South

Description:

Lower Shop - Tire bay located in north portion of building. No hose supplied oil coming to this bay, only compressed air for tires.

Photo No. 22	Date: 12/20/2019

Direction Photo Taken:

Southeast

Description:

West wall of wash area where OWS shed and sump pump are located.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 23	Date: 12/20/2019

Direction Photo Taken:

South

Description:

OWS with coalescing plates. Electrical plug in heater presumably on at all times in the back right corner of shed.

Photo No. 24	Date: 12/20/2019

Direction Photo Taken:

East

Description:

West side of wash area, where a manhole with a sump pump is located and actively running pumping water out to the sewer system. Unknown whether bypassing OWS.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 25	**Date:** 12/20/2019
Direction Photo Taken: N/A	
Description: Sump pump interior on west side of wash area.	

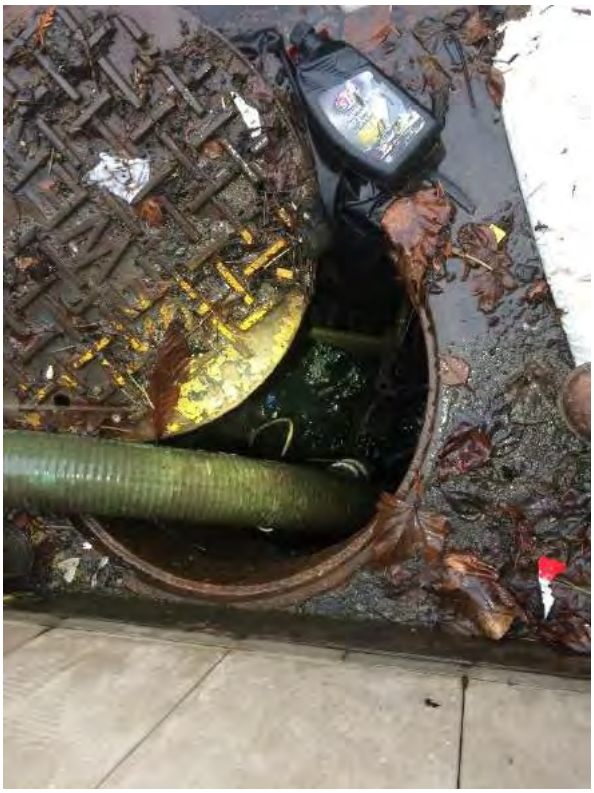


Photo No. 26	**Date:** 12/20/2019
Direction Photo Taken: East	
Description: Assortment of drums containing washing chemicals.	

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 27	Date: 12/20/2019

Direction Photo Taken:

Northeast

Description:

Vehicle wash chemical storage area, heavily stained concrete floor.

Photo No. 28	Date: 12/20/2019

Direction Photo Taken:

West

Description:

Vehicle wash chemical storage area showing heavily etched concrete floor from exposure to wash chemicals.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 29	Date: 12/20/2019

Direction Photo Taken:

Northeast

Description:

Storm catch basin that reportedly is a dry well and not connected to the storm sewer. Located at SE corner of main building, in front of entrance to storage area beneath the parking deck on east side of main building.

Photo No. 30	Date: 12/20/2019

Direction Photo Taken:

North

Description:

View from approximate location to which storm catch basin discharges. Retaining wall separating the upper eastern parking lot from the lower lot.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 31	**Date:** 12/20/2019

Direction Photo Taken:

Northeast

Description:

South wall of South Shop. Area of former waste-oil USTs located adjacent to the south shop, which is now used for parking vehicles and is asphalt.

Photo No. 32	**Date:** 12/20/2019

Direction Photo Taken:

North

Description:

Suspected location of closed in place heating-oil UST. Records indicate a UST was located approximately where the compressors are underneath the awning.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 33	**Date:** 12/20/2019

Direction Photo Taken:

N/A

Description:

Inside main building north of current compressor location. Two apparent fuel oil pipes that were possibly previously connected to former heating-oil UST underneath compressor awning.

Photo No. 34	**Date:** 12/20/2019

Direction Photo Taken:

N/A

Description:

Inside main building north of current compressor location. General view of piping associated with former heating oil UST. Records indicate a UST was located approximately where the compressors are underneath the awning.

APPENDIX D

EDR ENVIRONMENTAL DATABASE REVIEW REPORT

Appendix B

Soil Boring and Monitoring Well Construction Logs

hart hickman SMARTER ENVIRONMENTAL SOLUTIONS	**Client:** Sonic **Project:** SAI-384-13 **Address:** 400 River Road, Puyallup, WA	**WELL LOG** **Well No.** SB-6/MW-1 **Page:** 1 of 2

Drilling Start Date:	**10/3/22**	Boring Depth (ft):	**25.0**	Well Depth (ft):	**20.0**
Drilling End Date:	**10/3/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**16.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			4.00	(0') Concrete (0.5') River cobbles (1') Poorly graded SAND with gravel (SP); mostly fine-coarse grained sand, some fine-coarse gravel, loose, dry, dark brown	2.6 2.9 3.4		0
				DP			1.00	(4.5') Silty SAND (SM); mostly fine grained sand, some silt, loose, dry, dark brown	3.2		
5				DP			3.75		3.5	SB-6 (6-7)	5
									3.1		
10				DP			3.75	(10') As Above: moist	2.7		10
								(12') Well-graded GRAVEL (GW); mostly coarse grained gravel, few fine sand, dense, moist, dark brown	2.2		
								(13') Well-graded SAND with gravel (SW); mostly coarse grained sand, some fine gravel, loose, moist, dark brown with gray	2.0		
15											15

NOTES: Hole precleared to 4' on 10/3/22 by Steadfast Services NW using hand auger, refusal on large river cobble.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**	**WELL LOG**	
Project:	**SAI-384-13**	**Well No.**	**SB-6/MW-1**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**2 of 2**

Drilling Start Date:	**10/3/22**	Boring Depth (ft):	**25.0**	Well Depth (ft):	**20.0**
Drilling End Date:	**10/3/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**16.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
15				DP			3.75	(13') Well-graded SAND with gravel (SW); mostly coarse grained sand, some fine gravel, loose, moist, dark brown with gray (16') As Above: wet	1.3		15
								(17.5') Sandy SILT (ML); soft, wet, dark brown			
20				DP			3.75				20
25								(25') Boring terminated			25
30											30

NOTES: Hole precleared to 4' on 10/3/22 by Steadfast Services NW using hand auger, refusal on large river cobble.

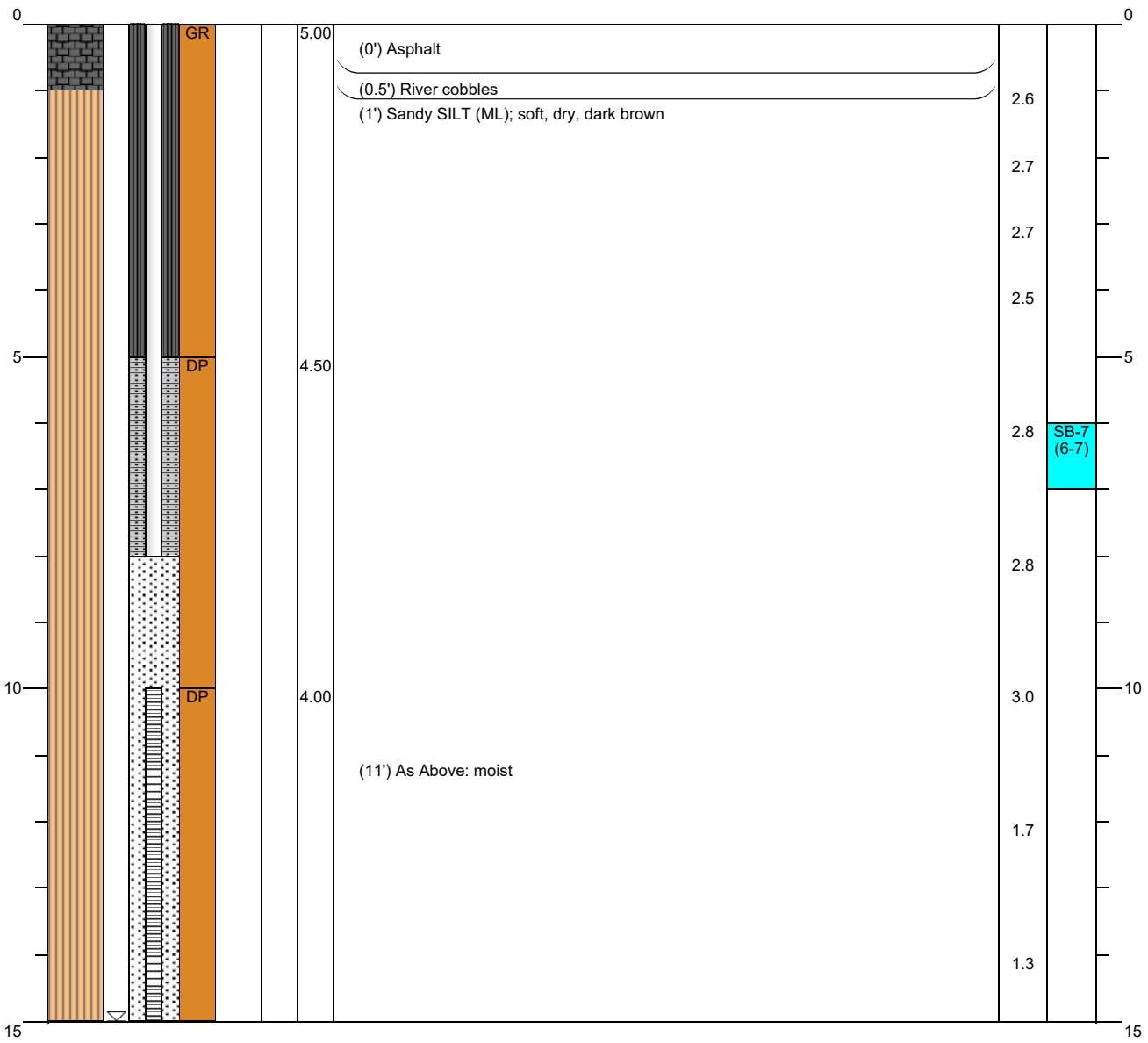
hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

WELL LOG

Well No.	**SB-7/MW-2**
Page:	**1 of 2**

Drilling Start Date:	**10/3/22**	Boring Depth (ft):	**20.0**	Well Depth (ft):	**20.0**
Drilling End Date:	**10/4/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**15.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**



NOTES: Hole precleared to 5' on 10/3/22 by Steadfast Services NW using hand auger.

hart hickman SMARTER ENVIRONMENTAL SOLUTIONS	**Client:** Sonic **Project:** SAI-384-13 **Address:** 400 River Road, Puyallup, WA	**WELL LOG** **Well No.** SB-7/MW-2 **Page:** 2 of 2

Drilling Start Date:	**10/3/22**	Boring Depth (ft):	**20.0**	Well Depth (ft):	**20.0**
Drilling End Date:	**10/4/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**15.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
15				DP			4.50	(15') As Above: wet			15
								(18') Well-graded SAND with gravel (SW); mostly coarse grained sand, some fine gravel, loose, wet, dark brown			
20								(20') Boring terminated			20
25											25
30											30

NOTES: Hole precleared to 5' on 10/3/22 by Steadfast Services NW using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**	**WELL LOG**	
Project:	**SAI-384-13**	**Well No.**	**SB-8/MW-3**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 2**

Drilling Start Date:	**10/4/22**	Boring Depth (ft):	**22.0**	Well Depth (ft):	**22.0**
Drilling End Date:	**10/5/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			5.00	(0') Asphalt (0.2') Poorly graded GRAVEL with sand (GP); mostly fine-coarse grained gravel, some fine-coarse sand, little silt, loose, moist, dark brown, river cobbles present	2.1		0
									1.4		
								(2') Well-graded SAND (SW); mostly fine grained sand, little silt, loose, moist, dark brown	3.3	SB-8 (2-3)	
									1.9		
									1.6		
5				DP			4.00				5
								(6') Poorly graded SAND with gravel (SP); mostly fine-coarse grained sand, some fine-coarse gravel, little silt, loose, moist, dark brown	1.4		
									1.7		
10				DP			3.75		1.8		10
									1.3		
								(13') As Above: wet			
15											15

NOTES: Hole precleared to 5' on 10/4/22 by Steadfast Services NW using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**	**WELL LOG**	
Project:	**SAI-384-13**	**Well No.**	**SB-8/MW-3**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**2 of 2**

Drilling Start Date:	**10/4/22**	Boring Depth (ft):	**22.0**	Well Depth (ft):	**22.0**
Drilling End Date:	**10/5/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**13.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
15				DP			3.75	(13') As Above: wet			15
20				DP			2.00	(20') SILT (ML); medium stiff, wet, dark brown-gray			20
								(22') Boring terminated			
25											25
30											30

NOTES: Hole precleared to 5' on 10/4/22 by Steadfast Services NW using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**		**WELL LOG**
Project:	**SAI-384-13**	**Well No.**	**SB-9/MW-4**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 2**

Drilling Start Date:	**10/5/22**	Boring Depth (ft):	**22.0**	Well Depth (ft):	**22.0**
Drilling End Date:	**10/5/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**16.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			5.00	(0') Asphalt (0.2') Poorly graded GRAVEL with sand (GP); mostly fine-coarse grained gravel, some fine-coarse sand, loose, dry, medium-dark brown	1.8		0
									1.4		
								(2') Well-graded SAND (SW); mostly fine grained sand, little silt, loose, moist, dark brown	2.4	SB-9 (2-3)	
									1.7		
									1.9		
5				DP			4.00				5
									1.4		
									1.8		
									1.4		
10				DP			3.75				10
									1.0		
								(14') Poorly graded SAND (SP); mostly fine-coarse grained sand, some silt, loose, moist, dark brown	1.1		
15											15

NOTES: Hole precleared to 5' on 10/5/22 by Steadfast Services NW using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**		**WELL LOG**
Project:	**SAI-384-13**	**Well No.**	**SB-9/MW-4**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**2 of 2**

Drilling Start Date:	**10/5/22**	Boring Depth (ft):	**22.0**	Well Depth (ft):	**22.0**
Drilling End Date:	**10/5/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**16.5**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
15				DP			3.75	(14') Poorly graded SAND (SP); mostly fine-coarse grained sand, some silt, loose, moist, dark brown			15
								(16.5') As Above: wet			
								(17') Poorly graded SAND with gravel (SP); mostly fine-coarse grained sand, some fine-coarse gravel, loose, wet, dark brown			
20				DP			2.00	(20') SILT (ML); stiff, wet, light gray, putty-like			20
								(22') Boring terminated			
25											25
30											30

NOTES: Hole precleared to 5' on 10/5/22 by Steadfast Services NW using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**	**WELL LOG**	
Project:	**SAI-384-13**	**Well No.**	**SB-10/MW-5**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 2**

Drilling Start Date:	**10/5/22**	Boring Depth (ft):	**25.0**	Well Depth (ft):	**25.0**
Drilling End Date:	**10/5/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**18.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			5.00	(0') Asphalt (0.3') Poorly graded GRAVEL with sand (GP); mostly fine-coarse grained gravel, some fine-coarse sand, few silt, loose, dry, brown, river cobbles present	1.0		0
									1.1		
									1.2	SB-10 (2-3)	
								(2.5') Well-graded SAND (SW); mostly fine grained sand, little silt, loose, moist, dark brown	0.9		
									0.7		
5				DP			3.75				5
								(6') Poorly graded SAND (SP); mostly fine-coarse grained sand, loose, moist, dark brown	1.1		
									1.2		
10				DP			3.75		1.3		10
									1.2		
									1.0		
15											15

NOTES: Hole precleared to 5' on 10/5/22 by Steadfast Services NW using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**	**WELL LOG**	
Project:	**SAI-384-13**	**Well No.**	**SB-10/MW-5**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**2 of 2**

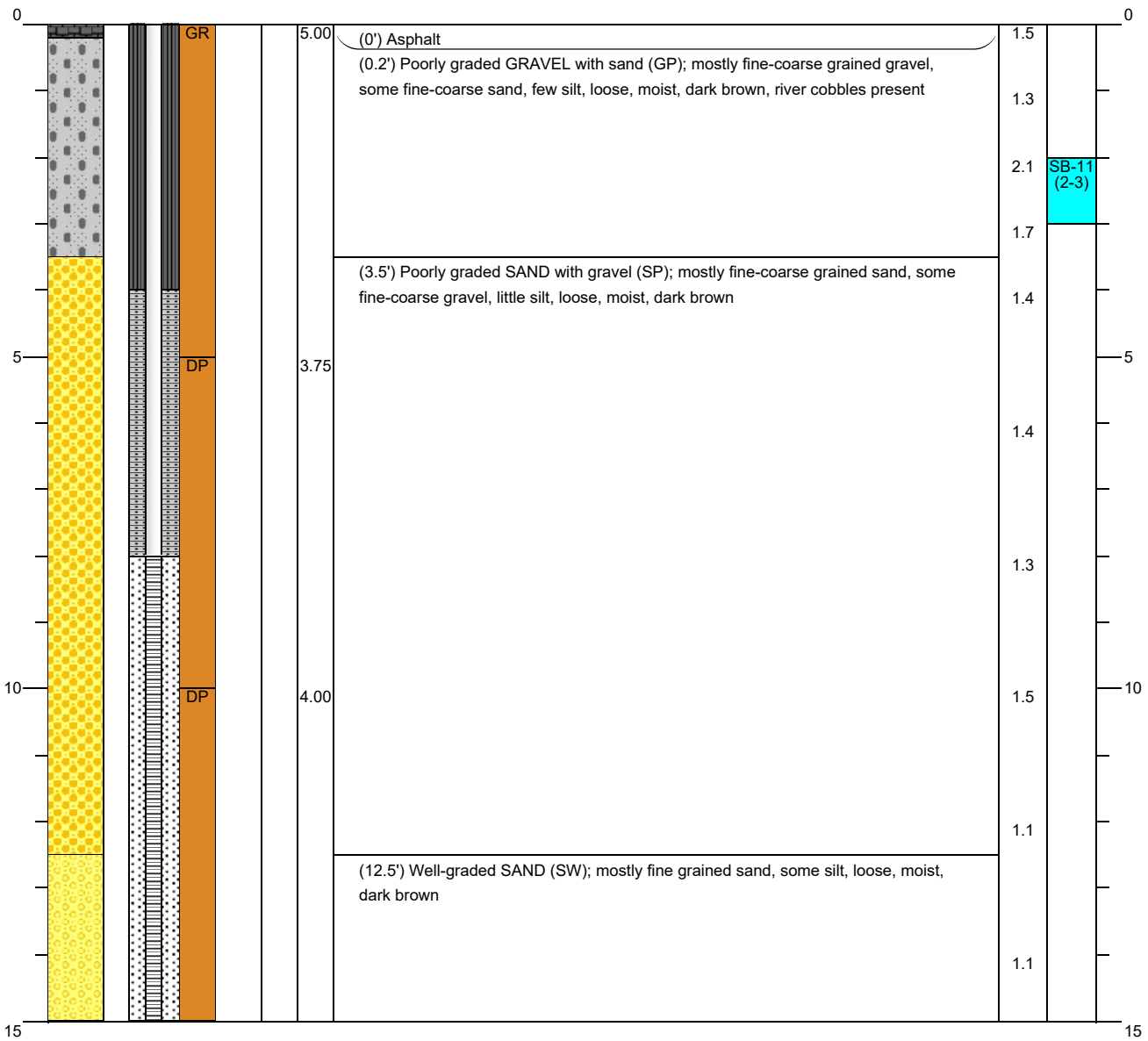
Drilling Start Date:	**10/5/22**	Boring Depth (ft):	**25.0**	Well Depth (ft):	**25.0**
Drilling End Date:	**10/5/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**18.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
15				DP			3.75	(6') Poorly graded SAND (SP); mostly fine-coarse grained sand, loose, moist, dark brown	0.9		15
		▽						(18') As Above: wet			
20				DP			4.50				20
								(22') SILT (ML); stiff, wet, light gray, putty-like			
25								(25') Boring terminated			25
30											30

NOTES: Hole precleared to 5' on 10/5/22 by Steadfast Services NW using hand auger.

hart hickman SMARTER ENVIRONMENTAL SOLUTIONS	**Client:** Sonic **Project:** SAI-384-13 **Address:** 400 River Road, Puyallup, WA	**WELL LOG** **Well No.** SB-11/MW-6 **Page:** 1 of 2

Drilling Start Date:	**10/6/22**	Boring Depth (ft):	**25.0**	Well Depth (ft):	**23.0**
Drilling End Date:	**10/7/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**18.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**



NOTES: Hole precleared to 5' on 10/6/22 by Steadfast Services NW using hand auger.

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SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**	**WELL LOG**	
Project:	**SAI-384-13**	**Well No.**	**SB-11/MW-6**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**2 of 2**

Drilling Start Date:	**10/6/22**	Boring Depth (ft):	**25.0**	Well Depth (ft):	**23.0**
Drilling End Date:	**10/7/22**	Boring Diameter (in):	**6.25**	Well Diameter (in):	**2.0**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**DP, GR**	Screen Slot (in):	**0.010**
Drilling Method:	**Hollow Stem Auger**	DTW During Drilling (ft):	**18.0**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):		Screen Material:	**Sch 40 PVC Slotted**
Driller:	**Vance Brewer**	Top of Casing Elev. (ft):		Seal Material(s):	**Bent.-Cement Grout/Bent. Chips**
Logged By:	**Adam Michalak**	Location (X,Y):		Filter Type:	**Sand Pack**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
15				DP			4.00	(12.5') Well-graded SAND (SW); mostly fine grained sand, some silt, loose, moist, dark brown	1.0		15
								(18') As Above: wet			
20				DP			3.75	(20') Well-graded GRAVEL with sand (GW); mostly coarse grained gravel, some coarse sand, loose, wet, dark gray			20
25								(25') Boring terminated			25
30											30

NOTES: Hole precleared to 5' on 10/6/22 by Steadfast Services NW using hand auger.

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SMARTER ENVIRONMENTAL SOLUTIONS

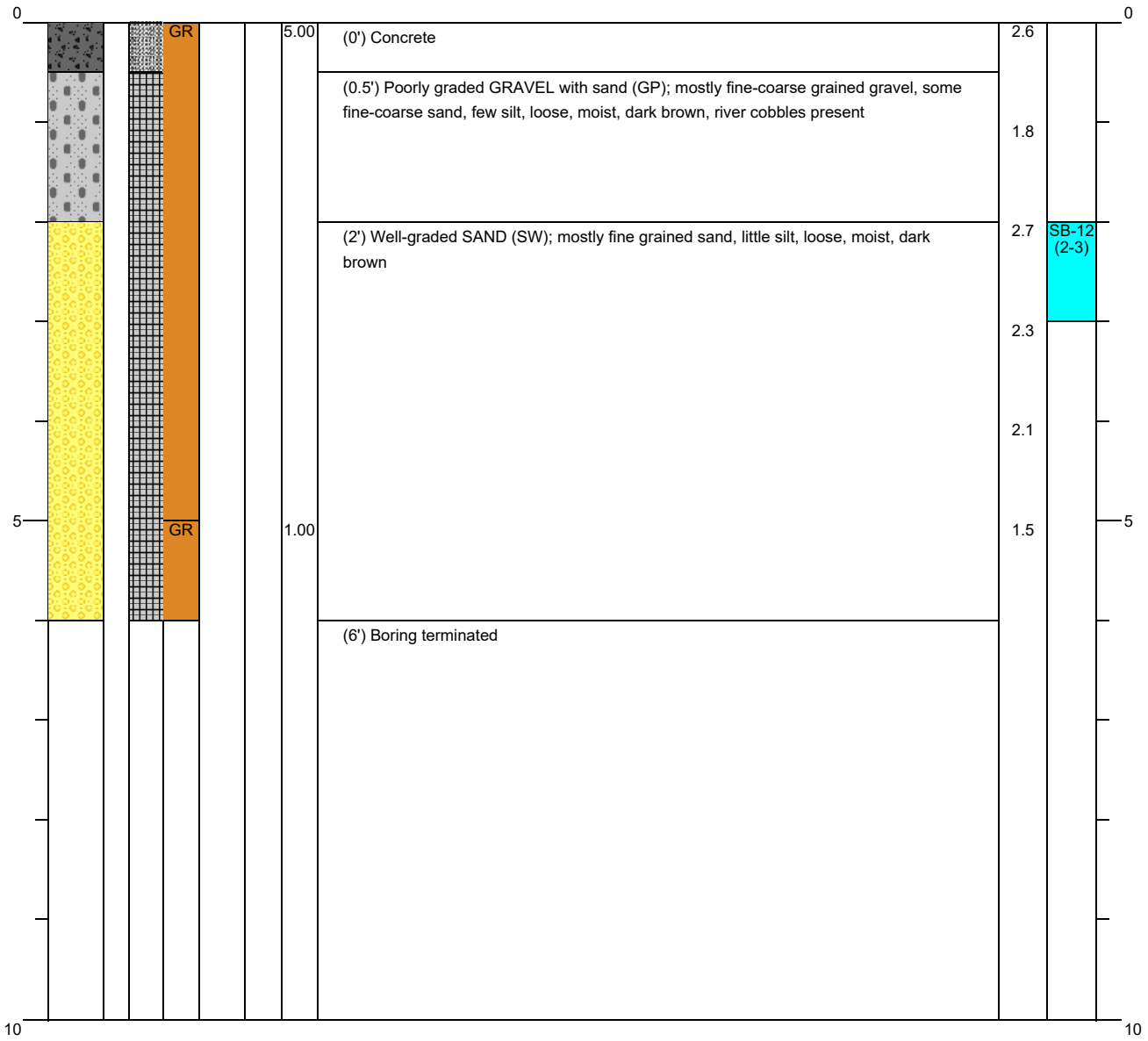
Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-12**

Page: **1 of 1**

Drilling Start Date:	**10/6/22**	Boring Depth (ft):	**6.0**
Drilling End Date:	**10/6/22**	Boring Diameter (in):	**3.25**
Drilling Company:	**Steadfast Services NW**	Sampling Method(s):	**Grab**
Drilling Method:	**Other**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand auger**	DTW After Drilling (ft):	
Driller:	**Vance Brewer**	Ground Surface Elev. (ft):	
Logged By:	**Adam Michalak**	Location (X,Y):	



Appendix C

Field Sampling Forms

Summa Canister Shut-in Test Field Form

Project No.: 3AI.384-13 Sampler: ABM 10/6/22

Sample ID	Date	Summa Pressure Check		Test Peiod	Shut-in Test				Shut-in Retest (if needed)			Notes
		Initial Pressure	Pass? (>-25.0 " Hg)		Time	Canister Pressure	Pass?	Regulator "Zero" Pressure	Time	Canister Pressure	Pass?	
	mm/dd/yy	" Hg	Yes/No		24-hr	" Hg	Yes/No	" Hg	24-hr	" Hg	Yes/No	
C: 2265 R: FC2879	10/06/22	-30	Yes	Start	1230	-30	Yes	0				
				Middle	1232	-30						
				End	1235	-29						
C: 4044 R: FC3196	↓	-29	↓	Start	1230	-29	↓	0				
				Middle	1232	-29						
				End	1235	-29						
C: 3252 R: FC1339		-27		Start	1233	-27		0				
				Middle	1235	-27						
				End	1238	-27						
C: 4076 R: FC3300		-29		Start	1233	-29		0				
				Middle	1235	-29						
				End	1238	-29						
C: 1136 R: FC3157		-28		Start	1240	-28		0				
				Middle	1242	-28						
				End	1245	-27						
C: 2459 R: FC2881		-29		Start	1240	-29		0				
				Middle	1242	-29						
				End	1245	-29						

C = canister ID; R = regulator ID; " Hg = inches of mercury

Last updated: 6/18/2020

Notes: Shut-In Test should be performed with matching canister with regulator as listed by laboratory on canister tag, and should last for a duration of at least 5 minutes.

Regulator "Zero" Pressure = pressure of regulator detached from Summa (if not 0 " Hg, then this needs to be accounted for during sampling).

Summa Initial Pressure = pressure of Summa immedietely after closing valve (pressure likely to decrease slighlty once valve is closed).

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SMARTER ENVIRONMENTAL SOLUTIONS

Summa Canister Shut-in Test Field Form

Project No.: SAI.384-13 Sampler: ABM 10/6/22

Sample ID	Date	Summa Pressure Check: Initial Pressure	Summa Pressure Check: Pass? (>-25.0 " Hg)	Test Peiod	Shut-in Test: Time	Shut-in Test: Canister Pressure	Shut-in Test: Pass?	Shut-in Test: Regulator "Zero" Pressure	Shut-in Retest (if needed): Time	Shut-in Retest (if needed): Canister Pressure	Shut-in Retest (if needed): Pass?	Notes
	mm/dd/yy	" Hg	Yes/No		24-hr	" Hg	Yes/No	" Hg	24-hr	" Hg	Yes/No	
C: 1930	10/06/22	-29	Yes	Start	1247	-29	Yes	0				
				Middle	1249	-29						
R: FC 1281				End	1252	-29						
C: 2849/0887	↓	-28	NO	Start	1247	-29	NO	0	1259	-29	NO	Called Pace Lab PM for troubleshooting - unable to resolve
				Middle	1249	0			1301	0		
R: FC 2992				End	1252	0			1304	0		
C:				Start								
				Middle								
R:				End								
C:				Start								
				Middle								
R:				End								
C:				Start								
				Middle								
R:				End								
C:				Start								
				Middle								
R:				End								

C = canister ID; R = regulator ID; " Hg = inches of mercury

Last updated: 6/18/2020

Notes: Shut-In Test should be performed with matching canister with regulator as listed by laboratory on canister tag, and should last for a duration of at least 5 minutes.

Regulator "Zero" Pressure = pressure of regulator detached from Summa (if not 0 " Hg, then this needs to be accounted for during sampling).

Summa Initial Pressure = pressure of Summa immedietely after closing valve (pressure likely to decrease slightly once valve is closed).

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SMARTER ENVIRONMENTAL SOLUTIONS

Sub-Slab / Soil Gas Vapor Sampling Field Form

Project No.: SAI.384-13 **Sampler:** ABM **Weather:** Sunny, 76°F

Sample ID		Sampling Information					Outdoor Parameters		Indoor Parameters	
		Date	Proposed Sampling Duration	Sampling Period	Time	Canister Pressure	Outdoor Temperature	Outdoor Humidity	Indoor Temperature	Indoor Humidity
		mm/dd/yy	Minutes		24-hr	" Hg	°F	%	°F	%
S: SSV-1	Size: 1.4L	10/7/22	10	Beginning	1426	-29	76	54		
C: 1430				Middle	1433	-17				
R: 1281	Flow Rate: 100mL/min			End	1440	-5				
S: SSV-4	Size: 1L	↓	10	Beginning	1454	-29	76	55		
C: 2459				Middle	1459	-17				
R: 2881	Flow Rate: 100mL/min			End	1504	-5				
S: SSV-7	Size: 1L	↓	10	Beginning	1517	-28	76	55		
C: 1136				Middle	1522	-17				
R: 3157	Flow Rate: 100mL/min			End	1527	-5				
S:	Size:			Beginning						
C:				Middle						
R:	Flow Rate:			End						
S:	Size:			Beginning						
C:				Middle						
R:	Flow Rate:			End						
S:	Size:			Beginning						
C:				Middle						
R:	Flow Rate:			End						

S = sample ID; C = canister ID; R = regulator ID; SS = sub-slab; SG = soil gas; Perm = permanent; Temp = temporary

" Hg = inches of mercury

Last updated: 6/16/2020

Notes: ______________________

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SMARTER ENVIRONMENTAL SOLUTIONS

Note:
Per NC DEQ DWM Vapor Intrusion Guidance, shut-in test and helium leak check must be passed before sampling.

Pg 1 of 2

Sub-Slab / Soil Gas Vapor Installation Field Form

Project No.: SAI.384-13 **Sampler:** ABM **Weather:** Sunny

Sample ID	Vapor Monitoring Point Construction						Helium Leak Test								
	Type		Surface Material	Slab Thickness (if appl.)	Material Below Slab (if appl.)	Depth of Screen (if appl.)	Type	Date & Time	Ambient Temp.	Purge Method	Volume Purged	Shroud Helium Conc.	Purge Helium Conc.	Leak Test Pass? (see note)
	SS, SG	Perm., Temp.	Concrete, soil, gravel, asphalt	Inches	Gravel, sand, clay, etc.	ft bgs	Full sample train or point-only	mm/dd/yy 24-hr	°F	Syringe, pump	Liters (see notes for calc.)	%	% or ppm (indicate units below)	Yes / No
S: SSV-1 C: R:	SS	Perm	Concrete	~4-6"	Gw/ f-vc SA.	—	Full	10/7/22 1415	76	pump	3.5L	21%	250ppm	Yes
S: SSV-2 C: R:						—								
S: SSV-3 C: R:						—								
S: SSV-4 C: R:						—	Full	10/7/22 1443	76	pump	3.5L	20%	275ppm	Yes
S: SSV-5 C: R:						—								
S: SSV-6 C: R:						—								

S = sample ID; C = canister ID; R = regulator ID; SS = sub-slab; SG = soil gas; Perm = permanent; Temp = temporary;

" Hg = inches of mercury. ppm = parts per million

Volume Purged = x3 purge volumes = 3*L*a

L = length of tubing/pipe (ft)

a = 0.163 for 2" diameter (L/ft)

= 0.010 for 0.25" diameter (L/ft)

Last updated: 6/18/2020

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

Note: Leak Test Requirements
Per NC DEQ DWM Vapor Intrusion Guidance, leak test passes if helium concentration in purge air is less than 10% of helium concentration in shroud.

Notes: ______

Sub-Slab / Soil Gas Vapor Installation Field Form

Project No.: SAI.384-13 Sampler: ABM Weather: Sunny

Sample ID	Vapor Monitoring Point Construction						Helium Leak Test							
	Type		Surface Material	Slab Thickness (if appl.)	Material Below Slab (if appl.)	Depth of Screen (if appl.)	Type	Date & Time	Ambient Temp.	Purge Method	Volume Purged	Shroud Helium Conc.	Purge Helium Conc.	Leak Test Pass? (see note)
	SS, SG	Perm., Temp.	Concrete, soil, gravel, asphalt	Inches	Gravel, sand, clay, etc.	ft bgs	Full sample train or point-only	mm/dd/yy 24-hr	°F	Syringe, pump	Liters (see notes for calc.)	%	% or ppm (indicate units below)	Yes / No
S: SSV-7 C: R:	SS	Perm.	Concrete	~4-6"	G.w/F-V.C. SA.	—	Full	10/7/22 1514	76	Pump	3.5	20%	0 ppm	Yes
S: SSV-8 C: R:	↓	↓	↓	↓	↓	—								
S: C: R:														
S: C: R:														
S: C: R:														
S: C: R:														

S = sample ID; C = canister ID; R = regulator ID; SS = sub-slab; SG = soil gas; Perm = permanent; Temp = temporary;
" Hg = inches of mercury; ppm = parts per million

Volume Purged = x3 purge volumes = 3*L*a
L = length of tubing/pipe (ft)
a = 0.163 for 2" diameter (L/ft)
= 0.010 for 0.25" diameter (L/ft)

Last updated: 6/18/2020

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SMARTER ENVIRONMENTAL SOLUTIONS

Note: Leak Test Requirements
Per NC DEQ DWM Vapor Intrusion Guidance, leak test passes if helium concentration in purge air is less than 10% of helium concentration in shroud.

Notes: _____

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUNDWATER SAMPLING RECORD

Stabilization Criteria

Primary:	Secondary:
pH +/- 0 1 unit	DO +/- 0.2 mg/L
S. Cond. +/- 5%	ORP +/- 10mV

Turb +/- 10% (<10 NTUs for metals)
Water Level: slight or stable drawdown during purging

Job No: SAI.384-13
Well ID: MW-1
Well Location:
Date: 10/6/22

Facility Name: NWMS Puyallup
Top of Casing Elevation (ft msl): ____ Casing Material: PVC Volume of Water Per Well Volume: ____
Total Well Depth (ft): 19.25 Depth to Water (ft): 15.60 Well Diameter: 2
Sampling Personnel: ABM Screen Interval (ft bgs): 9 - 19
Type of Pump: Peristaltic Tubing Material: Poly Pump/Tubing set at: 17.5 ft.
Weather Conditions: Sunny 70's NOTES: ____

GROUNDWATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1655	15.60	0.75L	150mL/min	0.37	15.5	154.4	6.14	19.6	20.0
1700	15.60	1.50L	" "	0.33	15.6	155.5	6.17	20.7	7.30
1705	15.60	2.25L	" "	0.31	15.6	154.7	6.17	21.5	4.36
1710	15.60	3.00L	" "	0.30	15.6	154.1	6.17	20.9	4.21

Other Sample Parameters: ____
Sampled at: 1710 Parameters taken with: YSI Pro Plus, Hach 2100Q
Sample Delivered to: Fed Ex by HJH at ____
Field Filtration: ○ Yes ◉ No If yes, which sample parameters were field filtered: ____
Sample Parameter Containers (Types, Number of Containers, Preservatives): ____

Stabilization criteria guidelines from the EPA SESD Operating Procedure for Groundwater Sampling, dated April 26, 2017

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SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUNDWATER SAMPLING RECORD

Stabilization Criteria

Primary:	Secondary:
pH +/- 0.1 unit	DO +/- 0.2 mg/L
S. Cond. +/- 5%	ORP +/- 10mV

Turb. +/- 10% (<10 NTUs for metals)
Water Level: slight or stable drawdown during purging

Job No: SAI-38413
Well ID: MW-2
Well Location:
Date: 10/7/22

Facility Name: NWMS recycling
Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: 0.68 gal
Total Well Depth (ft): 19.10 Depth to Water (ft): 15.15 Well Diameter: 2
Sampling Personnel: ABM _____ Screen Interval (ft bgs): 9 - 19
Type of Pump: peristaltic Tubing Material: poly Pump/Tubing set at: 17.5 ft.
Weather Conditions: Sunny, 50's NOTES: _____

GROUNDWATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
0855	15.16	0.75L	150mL/min	0.33	14.6	197.2	6.39	7.8	6.81
0900	15.16	1.50L	" "	0.31	14.6	195.7	6.38	6.8	7.12
0905	15.16	2.25L	" "	0.25	14.5	194.6	6.35	9.4	4.96
0910	15.16	3.00L	" "	0.22	14.5	194.1	6.34	9.7	3.92

Other Sample Parameters: _____
Sampled at: 0910 Parameters taken with: YSI Pro Plus, Hach 2100Q
Sample Delivered to: Fedex by ABH at _____
Field Filtration: ○ Yes ◉ No If yes, which sample parameters were field filtered: —
Sample Parameter Containers (Types, Number of Containers, Preservatives): _____

Stabilization criteria guidelines from the EPA SESD Operating Procedure for Groundwater Sampling, dated April 26, 2017

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SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUNDWATER SAMPLING RECORD

Stabilization Criteria

Primary:	Secondary:
pH +/- 0.1 unit	DO +/- 0.2 mg/L
S. Cond. +/- 5%	ORP +/- 10mV

Turb +/- 10% (<10 NTUs for metals)
Water Level: slight or stable drawdown during purging

Job No: SA1.384-13
Well ID: MW-3
Well Location:
Date: 10/7/22

Facility Name: NWMS Puyallup
Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____
Total Well Depth (ft): 20.90 Depth to Water (ft): 10.81 Well Diameter: 2
Sampling Personnel: ABM _____ Screen Interval (ft bgs): 6 - 21
Type of Pump: Peristaltic Tubing Material: Poly Pump/Tubing set at: 17.5 ft
Weather Conditions: Sunny, 60's NOTES: _____

GROUNDWATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1220	10.82	0.75L	150mL/min	0.15	17.0	142.8	6.29	7.0	63.5
1225	10.82	1.50L	" "	0.19	17.1	143.9	6.28	-0.1	44.8
1230	10.82	2.25L	" "	0.23	17.1	143.8	6.30	-7.9	42.6
1235	10.82	3.00L	" "	0.26	17.2	143.9	6.33	-9.3	40.9

Other Sample Parameters: —

Sampled at: 1235 Parameters taken with: YSI Pro Plus, Hach 2100Q

Sample Delivered to: Fedex by ABM at _____

Field Filtration: ○ Yes ◉ No If yes, which sample parameters were field filtered: —

Sample Parameter Containers (Types, Number of Containers, Preservatives): _____

Stabilization criteria guidelines from the EPA SESD Operating Procedure for Groundwater Sampling, dated April 26, 2017.

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SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUNDWATER SAMPLING RECORD

Stabilization Criteria

Primary:	Secondary:
pH +/- 0.1 unit	DO +/- 0.2 mg/L
S. Cond. +/- 5%	ORP +/- 10mV

Turb +/- 10% (<10 NTUs for metals)
Water Level: slight or stable drawdown during purging

Job No: SAI.384-13
Well ID: MW-4
Well Location:
Date: 10/7/22

Facility Name: NWMS Puyallup
Top of Casing Elevation (ft msl): ____ Casing Material: PVC Volume of Water Per Well Volume: ____
Total Well Depth (ft): 22.10 Depth to Water (ft): 16.22 Well Diameter: 2
Sampling Personnel: ABM ____ Screen Interval (ft bgs): 7 - 22
Type of Pump: Peristaltic Tubing Material: poly Pump/Tubing set at: 19.5 ft.
Weather Conditions: Sunny, 50's NOTES: ☆ DUP-1 parent ☆, purged ~1 gal prior to collecting readings

GROUNDWATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
0735	16.22	0.75L	150 mL/min	0.55	13.9	129.5	6.05	8.2	6.68
0740	16.22	1.50L	" "	0.50	13.9	122.2	6.12	-8.9	5.78
0745	16.22	2.25L	" "	0.48	13.9	118.7	6.19	-11.0	5.94
0750	16.22	3.00L	" "	0.41	13.9	120.1	6.20	-12.3	6.12

Other Sample Parameters: -
Sampled at: 0750 Parameters taken with: YSI Pro Plus, Hach 2100Q
Sample Delivered to: Fed EX by HJH at ____
Field Filtration: ○ Yes ◉ No If yes, which sample parameters were field filtered: —
Sample Parameter Containers (Types, Number of Containers, Preservatives): ____

Stabilization criteria guidelines from the EPA SESD Operating Procedure for Groundwater Sampling, dated April 26, 2017

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SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUNDWATER SAMPLING RECORD

Stabilization Criteria

Primary:	Secondary:
pH +/- 0.1 unit	DO +/- 0.2 mg/L
S. Cond. +/- 5%	ORP +/- 10mV

Turb. +/- 10% (<10 NTUs for metals)
Water Level: slight or stable drawdown during purging

Job No: SAI.384-13
Well ID: MW-5
Well Location:
Date: 10/7/22

Facility Name: NWMS pump/lmp
Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: 0.92 gal
Total Well Depth (ft): 23.31 Depth to Water (ft): 17.67 Well Diameter: 2
Sampling Personnel: ABM _____ Screen Interval (ft bgs): 8 - 23
Type of Pump: peristaltic Tubing Material: poly Pump/Tubing set at: 20 ft.
Weather Conditions: Sunny, 60's NOTES: well partially set in putty-like silts - may continue to have elevated turbidity

GROUNDWATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1020	17.67	0.75L	150 mL/min	0.23	15.7	190.7	6.36	-34.2	622
1025	17.67	1.50L	" "	0.22	16.1	194.4	6.42	-45.6	359
1030	17.67	2.25L	" "	0.23	16.2	195.6	6.40	-45.5	347
1035	17.67	3.00L	" "	0.23	16.2	196.1	6.38	-45.1	328

Other Sample Parameters: —
Sampled at: 1035 Parameters taken with: YSI Pro Plus, hach 2100Q
Sample Delivered to: Fedex by H&H at _____
Field Filtration: ○ Yes ◉ No If yes, which sample parameters were field filtered: —
Sample Parameter Containers (Types, Number of Containers, Preservatives): _____

Stabilization criteria guidelines from the EPA SESD Operating Procedure for Groundwater Sampling, dated April 26, 2017

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SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUNDWATER SAMPLING RECORD

Stabilization Criteria

Primary:	Secondary:
pH +/- 0.1 unit	DO +/- 0.2 mg/L
S. Cond. +/- 5%	ORP +/- 10mV

Turb. +/- 10% (<10 NTUs for metals)
Water Level: slight or stable drawdown during purging

Job No: SAI-384-13
Well ID: MW-6
Well Location:
Date: 10/7/22

Facility Name: NWMS Puyallup
Top of Casing Elevation (ft msl): ____ Casing Material: PVC Volume of Water Per Well Volume: 0.92 gal
Total Well Depth (ft): 22.55 Depth to Water (ft): 17.50 Well Diameter: 2
Sampling Personnel: ABM ____ Screen Interval (ft bgs): 6.5 - 22.5
Type of Pump: peristaltic Tubing Material: poly Pump/Tubing set at: 20 ft
Weather Conditions: Sunny, 70's NOTES: ____

GROUNDWATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1325	17.50	0.75L	150mL/min	0.31	18.1	298.9	6.23	14.5	19.2
1330	17.50	1.50L	" "	0.30	18.3	302.8	6.26	11.9	9.98
1335	17.50	2.25L	" "	0.29	18.4	307.1	6.27	10.0	8.72

Other Sample Parameters: —
Sampled at: 1335 Parameters taken with: YSI Proplus, Hach 2100Q
Sample Delivered to: Fed Ex by HBH at ____
Field Filtration: ○ Yes ◉ No If yes, which sample parameters were field filtered: —
Sample Parameter Containers (Types, Number of Containers, Preservatives): ____

Stabilization criteria guidelines from the EPA SESD Operating Procedure for Groundwater Sampling, dated April 26, 2017

Well Development Form
Hart & Hickman, PC

GENERAL INFORMATION

Job No.: SAI.384-13 Well No.: MW-1 Date: 10/6/22

Site Name: NWMS Puyallup Location: Puyallup, WA

Equipment ( ) Dedicated ( ) Decontaminated ( ) Bailer (X) Pump

Material (X) PVC ( ) Stainless Steel ( ) Teflon ( ) Other_____

Decontamination Method: Single-use dedicated tubing

WELL INFORMATION

Coordinates:_____ Top of Casing (TOC) Elevation_____ ft msl

Material (X) PVC ( ) Carbon Steel ( ) Stainless Steel ( ) Other:_____

Measurements from (TOC) Riser_____ ft Water Level 15.49 ft Bottom_____ ft

DEVELOPMENT INFORMATION

Method ( ) Bailing (X) Pumping ( ) Other _____

Volume	Rate	pH (SU)	Temp. (°C)	S. Cond. (umhos/cm)	Redox	Turbidity (NTU)
0.66 gal	400mL/min	5.98	15.5	154.5	627	357
1.35 gal	400 mL/min	5.93	15.3	154.4	40.4	15.9
1.99 gal	400mL/min	6.08	15.3	154.3	33.5	15.2

Weather Conditions: Sunny, 70's

Final Water Condition: (X) Clear ( ) Cloudy ( ) Other:_____ Odor:_____

Comments: _____

Performed by: ABM Date: 10/6/22 Time: 1650

Well Development Form
Hart & Hickman, PC

GENERAL INFORMATION

Job No.: SAI.384-13 Well No.: MW-2 Date: 10/7/22

Site Name: NWMS Puyallup Location: _____

Equipment ( ) Dedicated ( ) Decontaminated ( ) Bailer (X) Pump

Material (X) PVC ( ) Stainless Steel ( ) Teflon ( ) Other_____

Decontamination Method: dedicated single use tubing

WELL INFORMATION

Coordinates:_____ Top of Casing (TOC) Elevation_____ ft msl

Material (X) PVC ( ) Carbon Steel ( ) Stainless Steel ( ) Other:_____

Measurements from (TOC) Riser_____ ft Water Level 15.15 ft Bottom 19.10 ft

DEVELOPMENT INFORMATION

Method ( ) Bailing (X) Pumping ( ) Other _____

Volume	Rate	pH (SU)	Temp. (°C)	S. Cond. (umhos/cm)	Redox	Turbidity (NTU)
0.68 gal	500mL/min	6.42	14.2	281.4	52.3	>1,000
1.33	" "	6.30	14.2	193.6	24.7	48.0
1.99	" "	6.33	14.2	192.4	14.7	5.81

Weather Conditions: Sunny, 50's

Final Water Condition: (X) Clear ( ) Cloudy ( ) Other:_____ Odor:_____

Comments: _____

Performed by: ABM Date: 10/7/22 Time: 0850

Well Development Form
Hart & Hickman, PC

GENERAL INFORMATION

Job No.: SAI.381 Well No.: MW-3 Date: 10/7/22

Site Name: NWMS Puyallup Location: _____

Equipment ( ) Dedicated ( ) Decontaminated ( ) Bailer (X) Pump

Material (X) PVC ( ) Stainless Steel ( ) Teflon ( ) Other_____

Decontamination Method: single use dedicated tubing

WELL INFORMATION

Coordinates:_____ Top of Casing (TOC) Elevation_____ ft msl

Material (X) PVC ( ) Carbon Steel ( ) Stainless Steel ( ) Other:_____

Measurements from (TOC) Riser_____ ft Water Level 18.81 ft Bottom 20.90 ft

DEVELOPMENT INFORMATION

Method ( ) Bailing (X) Pumping ( ) Other _____

Volume	Rate	pH (SU)	Temp. (°C)	S. Cond. (umhos/cm)	Redox	Turbidity (NTU)
1.67 gal	800mL/min	6.39	16.1	159.1	11.0	>1000
3.34 gal	" "	6.23	16.3	154.4	-0.7	493
5.01 gal	" "	6.24	16.7	143.8	18.2	125

Weather Conditions: Sunny, 60's

Final Water Condition: ( ) Clear (X) Cloudy ( ) Other:_____ Odor: —

Comments: _____

Performed by: ABM Date: 10/7/22 Time: 1215

Well Development Form
Hart & Hickman, PC

GENERAL INFORMATION

Job No.: SAI-389.13 Well No.: MW-4 Date: 10/6/22

Site Name: NWMS Puyallup Location: Puyallup, WA

Equipment ( ) Dedicated ( ) Decontaminated ( ) Bailer (X) Pump

Material (X) PVC ( ) Stainless Steel ( ) Teflon ( ) Other_____

Decontamination Method: dedicated single use tubing

WELL INFORMATION

Coordinates:_____ Top of Casing (TOC) Elevation_____ ft msl

Material (X) PVC ( ) Carbon Steel ( ) Stainless Steel ( ) Other:_____

Measurements from (TOC) Riser_____ ft Water Level 16.20 ft Bottom 22.10 ft

DEVELOPMENT INFORMATION

Method ( ) Bailing (X) Pumping ( ) Other _____

Volume	Rate	pH (SU)	Temp. (°C)	S. Cond. (umhos/cm)	Redox	Turbidity (NTU)
1.00 gal	900mL/min	6.40	14.4	125.6	51.2	71000
2.00 gal	500mL/min	5.96	14.2	116.8	25.2	97.1
3.00 gal	500mL/min	6.07	14.2	121.0	10.8	25.1

Weather Conditions: Sunny, 60's

Final Water Condition: (X) Clear ( ) Cloudy ( ) Other:_____ Odor: —

Comments: _____

Performed by: ABM Date: 10/6/22 Time: 1315

Well Development Form
Hart & Hickman, PC

GENERAL INFORMATION

Job No.: SAI-38413 Well No.: MW-5 Date: 10/7/22

Site Name: NWMS Puyallup Location: _____

Equipment ( ) Dedicated ( ) Decontaminated ( ) Bailer (X) Pump

Material (X) PVC ( ) Stainless Steel ( ) Teflon ( ) Other_____

Decontamination Method: dedicated single use tubing

WELL INFORMATION

Coordinates:_____ Top of Casing (TOC) Elevation_____ ft msl

Material (X) PVC ( ) Carbon Steel ( ) Stainless Steel ( ) Other:_____

Measurements from (TOC) Riser_____ ft Water Level 17.67 ft Bottom 23.31 ft

DEVELOPMENT INFORMATION

Method ( ) Bailing (X) Pumping ( ) Other _____

Volume	Rate	pH (SU)	Temp. (°C)	S. Cond. (umhos/cm)	Redox	Turbidity (NTU)
1.00 gal	500 mL/min	6.28	15.6	191.7	~8.3	71000
2.00 gal	" "	6.20	15.4	196.5	-17.8	616
3.00 gal	" "	6.32	15.3	190.6	-37.4	613

Weather Conditions: Sunny, 60's

Final Water Condition: ( ) Clear (X) Cloudy ( ) Other:_____ Odor:_____

Comments: Set partially in a putty-like silt at bottom couple ft of screen - may not fully clear up...

Performed by: ABM Date: 10/7/22 Time: 1015

Well Development Form
Hart & Hickman, PC

GENERAL INFORMATION

Job No.: SAI.384-13 Well No.: MW-6 Date: 10/7/22

Site Name: NWMS Puyallup Location: _____

Equipment ( ) Dedicated ( ) Decontaminated ( ) Bailer (X) Pump

Material (X) PVC ( ) Stainless Steel ( ) Teflon ( ) Other_____

Decontamination Method: dedicated single use tubing

WELL INFORMATION

Coordinates:_____ Top of Casing (TOC) Elevation_____ ft msl

Material (X) PVC ( ) Carbon Steel ( ) Stainless Steel ( ) Other:_____

Measurements from (TOC) Riser_____ ft Water Level 17.50 ft Bottom 22.55 ft

DEVELOPMENT INFORMATION

Method ( ) Bailing (X) Pumping ( ) Other _____

Volume	Rate	pH (SU)	Temp. (°C)	S. Cond. (umhos/cm)	Redox	Turbidity (NTU)
0.92 gal	500ml/min	5.99	17.6	308.0	39.7	22.7
1.84 gal	" "	6.12	17.6	294.4	26.0	22.5
2.76 gal	" "	6.22	17.6	294.0	12.2	20.9

Weather Conditions: Sunny, 70's

Final Water Condition: (X) Clear ( ) Cloudy ( ) Other:_____ Odor: —

Comments: _____

Performed by: ABM Date: 10/7/22 Time: 1320

Appendix D

Laboratory Analytical Reports

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18915-1
Client Project/Site: NWMS Puyallup

For:
Hart & Hickman, PC
3921 Sunset Ridge Rd
Suite 301
Raleigh, North Carolina 27607

Attn: Carlin Slusher

Randee Arrington

Authorized for release by:
10/25/2022 4:06:41 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

Table of Contents

Job ID: 590-18915-1

Laboratory: Eurofins Spokane

Narrative

Receipt
The samples were received on 10/10/2022 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1º C.

Receipt Exceptions
The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): MW-1 (590-18915-17).

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-38486 recovered above the upper control limit for Dichlorodifluoromethane, Chloromethane, Vinyl chloride, Chloroethane, n-Butylbenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Hexachlorobutadiene and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-38562 recovered above the upper control limit for Chlorobromomethane, Chlorodibromomethane, Ethylene Dibromide, 1,1,2-Trichloroethane, Tetrachloroethene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Hexachlorobutadiene and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 590-38562 recovered outside control limits for the following analytes: Ethylene Dibromide and Tetrachloroethene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 590-38562 recovered outside control limits for the following analytes: Trichlorofluoromethane, Tetrachloroethene and 1,2,3-Trichlorobenzene.

Method 8260D: Surrogate recovery for the following samples were outside control limits: MW-2 (590-18915-10), DUP-1 (590-18915-15) and TB-1 (590-18915-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-38731 recovered outside acceptance criteria, low biased, for 2,2-Dichloropropane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-38731 recovered above the upper control limit for Dichlorodifluoromethane, Chloromethane, Bromomethane and Methylene Chloride. The samples associated with this CCV were non-detects or detected below the reporting limit for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for preparation batch 590-38494 and analytical batch 590-38731 recovered outside control limits for the following analytes: Chloromethane and Methylene Chloride. These analytes were biased high in the LCS and were not detected or detected below the reporting limit in the associated samples; therefore, the data have been reported.

Method 8260D: The following samples were analyzed outside of analytical holding time due to system outages. SB-6 (6-7) (590-18915-1), SB-7 (6-7) (590-18915-2), SB-8 (2-3) (590-18915-3), SB-9 (2-3) (590-18915-4), SB-10 (2-3) (590-18915-5), SB-11 (2-3) (590-18915-6), SB-12 (2-3) (590-18915-7), DUP-1 (590-18915-8) and TB-1 (590-18915-9)

Method 8260D: The initial calibration verification (ICV) result for batch 590-38740 was above the upper control limit for Bromomethane, Butadiene, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, and Vinyl chloride. Sample results were non-detects, and have been reported as qualified data.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-38740 recovered above the upper control limit for Methylene Chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 590-18915-1 (Continued)

Laboratory: Eurofins Spokane (Continued)

Method NWTPH-Gx: The method blank for preparation batch 590-38494 and analytical batch 590-38487 contained Gasoline above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method NWTPH-Gx: Surrogate recovery for the following sample was outside control limits: DUP-1 (590-18915-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC/MS Semi VOA
Method 8270E SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 590-38541 and analytical batch 590-38542 was outside control limits. Sample matrix interference is suspected.

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

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

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

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

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

Sample Summary

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18915-1	SB-6 (6-7)	Solid	10/03/22 12:15	10/10/22 09:00
590-18915-2	SB-7 (6-7)	Solid	10/03/22 14:45	10/10/22 09:00
590-18915-3	SB-8 (2-3)	Solid	10/04/22 16:30	10/10/22 09:00
590-18915-4	SB-9 (2-3)	Solid	10/05/22 10:00	10/10/22 09:00
590-18915-5	SB-10 (2-3)	Solid	10/05/22 16:50	10/10/22 09:00
590-18915-6	SB-11 (2-3)	Solid	10/06/22 10:30	10/10/22 09:00
590-18915-7	SB-12 (2-3)	Solid	10/06/22 13:45	10/10/22 09:00
590-18915-8	DUP-1	Solid	10/06/22 00:00	10/10/22 09:00
590-18915-9	TB-1	Solid	10/03/22 00:00	10/10/22 09:00
590-18915-10	MW-2	Water	10/07/22 09:10	10/10/22 09:00
590-18915-11	MW-3	Water	10/07/22 12:35	10/10/22 09:00
590-18915-12	MW-4	Water	10/07/22 07:50	10/10/22 09:00
590-18915-13	MW-5	Water	10/07/22 10:35	10/10/22 09:00
590-18915-14	MW-6	Water	10/07/22 13:35	10/10/22 09:00
590-18915-15	DUP-1	Water	10/07/22 00:00	10/10/22 09:00
590-18915-16	TB-1	Water	10/07/22 00:00	10/10/22 09:00
590-18915-17	MW-1	Water	10/06/22 17:10	10/10/22 09:00

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: SB-6 (6-7)
Date Collected: 10/03/22 12:15
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-1
Matrix: Solid
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.25	0.069	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Chloromethane	ND	H *+	1.2	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Vinyl chloride	ND	H	0.15	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Bromomethane	ND	H	1.2	0.081	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Chloroethane	ND	H	0.49	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Trichlorofluoromethane	ND	H	0.49	0.081	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,1-Dichloroethene	ND	H	0.25	0.084	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Methylene Chloride	**0.82**	**J H B *+**	0.86	0.49	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
trans-1,2-Dichloroethene	ND	H	0.25	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,1-Dichloroethane	ND	H	0.25	0.065	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
2,2-Dichloropropane	ND	H	0.25	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
cis-1,2-Dichloroethene	ND	H	0.25	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Bromochloromethane	ND	H	0.25	0.098	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Chloroform	ND	H	0.25	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,1,1-Trichloroethane	ND	H	0.25	0.043	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Carbon tetrachloride	ND	H	0.25	0.027	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,1-Dichloropropene	ND	H	0.25	0.043	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Benzene	ND	H	0.049	0.025	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2-Dichloroethane	ND	H	0.25	0.017	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Trichloroethene	ND	H	0.061	0.019	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2-Dichloropropane	ND	H	0.29	0.074	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Dibromomethane	ND	H	0.25	0.055	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Bromodichloromethane	ND	H	0.25	0.15	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
cis-1,3-Dichloropropene	ND	H	0.25	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Toluene	ND	H	0.25	0.033	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
trans-1,3-Dichloropropene	ND	H	0.25	0.065	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,1,2-Trichloroethane	ND	H	0.25	0.087	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Tetrachloroethene	ND	H	0.098	0.043	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,3-Dichloropropane	ND	H	0.25	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Dibromochloromethane	ND	H	0.49	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2-Dibromoethane (EDB)	ND	H	0.25	0.082	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Chlorobenzene	ND	H	0.25	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Ethylbenzene	ND	H	0.25	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,1,1,2-Tetrachloroethane	ND	H	0.25	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,1,2,2-Tetrachloroethane	ND	H	0.25	0.072	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
m,p-Xylene	ND	H	0.98	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
o-Xylene	ND	H	0.49	0.057	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Styrene	ND	H	0.25	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Bromoform	ND	H	0.49	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Isopropylbenzene	ND	H	0.25	0.076	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Bromobenzene	ND	H	0.25	0.055	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
N-Propylbenzene	ND	H	0.25	0.065	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2,3-Trichloropropane	ND	H	0.49	0.090	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
2-Chlorotoluene	ND	H	0.25	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,3,5-Trimethylbenzene	ND	H	0.25	0.079	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
4-Chlorotoluene	ND	H	0.25	0.021	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
tert-Butylbenzene	ND	H	0.25	0.048	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2,4-Trimethylbenzene	ND	H	0.25	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
sec-Butylbenzene	ND	H	0.25	0.046	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1

Client Sample ID: SB-6 (6-7)
Date Collected: 10/03/22 12:15
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-1
Matrix: Solid
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	H	0.25	0.031	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
p-Isopropyltoluene	ND	H	0.25	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,4-Dichlorobenzene	ND	H	0.25	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
n-Butylbenzene	ND	H	0.25	0.068	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2-Dichlorobenzene	ND	H	0.25	0.057	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2-Dibromo-3-Chloropropane	ND	H	1.2	0.15	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2,4-Trichlorobenzene	ND	H	0.25	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
1,2,3-Trichlorobenzene	ND	H	0.25	0.082	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Hexachlorobutadiene	ND	H	0.25	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Naphthalene	ND	H	0.49	0.069	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1
Methyl tert-butyl ether	ND	H	0.12	0.074	mg/Kg	☼	10/10/22 15:46	10/22/22 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*	*10/10/22 15:46*	*10/22/22 03:57*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 122*	*10/10/22 15:46*	*10/22/22 03:57*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*	*10/10/22 15:46*	*10/22/22 03:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 129*	*10/10/22 15:46*	*10/22/22 03:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		12	4.4	mg/Kg	☼	10/10/22 15:46	10/10/22 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 20:55*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
2-Methylnaphthalene	ND		11	3.3	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
1-Methylnaphthalene	ND		11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Acenaphthylene	ND		11	3.5	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Fluorene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Phenanthrene	**4.6**	**J**	11	3.9	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Anthracene	ND		11	2.1	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Fluoranthene	ND		11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Pyrene	ND	F2	11	4.0	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Benzo[a]anthracene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Chrysene	ND		11	1.6	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Benzo[b]fluoranthene	ND		11	3.7	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Benzo[k]fluoranthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Benzo[a]pyrene	ND		11	4.5	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Indeno[1,2,3-cd]pyrene	ND		11	3.2	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Dibenz(a,h)anthracene	ND		11	3.0	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1
Benzo[g,h,i]perylene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*44 - 120*	*10/12/22 11:20*	*10/12/22 15:05*	*1*
2-Fluorobiphenyl (Surr)	*68*		*47 - 120*	*10/12/22 11:20*	*10/12/22 15:05*	*1*
p-Terphenyl-d14	*76*		*54 - 132*	*10/12/22 11:20*	*10/12/22 15:05*	*1*

Client Sample ID: SB-6 (6-7)

Lab Sample ID: 590-18915-1
Date Collected: 10/03/22 12:15
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.5	mg/Kg	☼	10/11/22 10:42	10/11/22 16:12	1
Residual Range Organics (RRO) (C25-C36)	ND		27	5.3	mg/Kg	☼	10/11/22 10:42	10/11/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*10/11/22 10:42*	*10/11/22 16:12*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*10/11/22 10:42*	*10/11/22 16:12*	*1*

Client Sample ID: SB-7 (6-7)

Lab Sample ID: 590-18915-2
Date Collected: 10/03/22 14:45
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 96.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H F1	0.23	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Chloromethane	ND	H F1 *+	1.1	0.095	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Vinyl chloride	ND	H	0.14	0.046	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Bromomethane	ND	H	1.1	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Chloroethane	ND	H	0.46	0.13	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Trichlorofluoromethane	ND	H	0.46	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,1-Dichloroethene	ND	H	0.23	0.078	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Methylene Chloride	ND	H	0.80	0.46	mg/Kg	☼	10/10/22 15:46	10/24/22 21:11	1
trans-1,2-Dichloroethene	ND	H	0.23	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,1-Dichloroethane	ND	H	0.23	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
2,2-Dichloropropane	ND	H	0.23	0.055	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
cis-1,2-Dichloroethene	ND	H	0.23	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Bromochloromethane	ND	H	0.23	0.091	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Chloroform	ND	H	0.23	0.054	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,1,1-Trichloroethane	ND	H	0.23	0.039	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Carbon tetrachloride	ND	H	0.23	0.025	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,1-Dichloropropene	ND	H	0.23	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Benzene	ND	H	0.046	0.023	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2-Dichloroethane	ND	H	0.23	0.016	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Trichloroethene	ND	H	0.057	0.017	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2-Dichloropropane	ND	H	0.27	0.069	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Dibromomethane	ND	H	0.23	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Bromodichloromethane	ND	H	0.23	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
cis-1,3-Dichloropropene	ND	H	0.23	0.046	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Toluene	ND	H	0.23	0.030	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
trans-1,3-Dichloropropene	ND	H	0.23	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,1,2-Trichloroethane	ND	H	0.23	0.080	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Tetrachloroethene	ND	H	0.091	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,3-Dichloropropane	ND	H	0.23	0.068	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Dibromochloromethane	ND	H	0.46	0.037	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2-Dibromoethane (EDB)	ND	H	0.23	0.076	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Chlorobenzene	ND	H	0.23	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Ethylbenzene	ND	H	0.23	0.037	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,1,1,2-Tetrachloroethane	ND	H	0.23	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,1,2,2-Tetrachloroethane	ND	H	0.23	0.066	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
m,p-Xylene	ND	H	0.91	0.065	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1

Client Sample ID: SB-7 (6-7)
Date Collected: 10/03/22 14:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-2
Matrix: Solid
Percent Solids: 96.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND	H	0.46	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Styrene	ND	H	0.23	0.054	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Bromoform	ND	H	0.46	0.043	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Isopropylbenzene	ND	H	0.23	0.070	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Bromobenzene	ND	H	0.23	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
N-Propylbenzene	ND	H	0.23	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2,3-Trichloropropane	ND	H	0.46	0.083	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
2-Chlorotoluene	ND	H	0.23	0.037	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,3,5-Trimethylbenzene	ND	H	0.23	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
4-Chlorotoluene	ND	H	0.23	0.020	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
tert-Butylbenzene	ND	H	0.23	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2,4-Trimethylbenzene	ND	H	0.23	0.053	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
sec-Butylbenzene	ND	H	0.23	0.042	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,3-Dichlorobenzene	ND	H	0.23	0.029	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
p-Isopropyltoluene	ND	H	0.23	0.046	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,4-Dichlorobenzene	ND	H	0.23	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
n-Butylbenzene	ND	H	0.23	0.063	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2-Dichlorobenzene	ND	H	0.23	0.053	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2-Dibromo-3-Chloropropane	ND	H	1.1	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2,4-Trichlorobenzene	ND	H	0.23	0.042	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
1,2,3-Trichlorobenzene	ND	H	0.23	0.076	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Hexachlorobutadiene	ND	H	0.23	0.037	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Naphthalene	ND	H	0.46	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1
Methyl tert-butyl ether	ND	H	0.11	0.068	mg/Kg	☼	10/10/22 15:46	10/22/22 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*10/10/22 15:46*	*10/22/22 04:38*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*	*10/10/22 15:46*	*10/24/22 21:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 122*	*10/10/22 15:46*	*10/22/22 04:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 122*	*10/10/22 15:46*	*10/24/22 21:11*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*	*10/10/22 15:46*	*10/22/22 04:38*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*	*10/10/22 15:46*	*10/24/22 21:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 129*	*10/10/22 15:46*	*10/22/22 04:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 129*	*10/10/22 15:46*	*10/24/22 21:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		11	4.1	mg/Kg	☼	10/10/22 15:46	10/10/22 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 21:17*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
2-Methylnaphthalene	ND		10	3.2	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
1-Methylnaphthalene	ND		10	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Acenaphthylene	ND		10	3.4	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Acenaphthene	ND		10	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Fluorene	ND		10	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1

Client Sample ID: SB-7 (6-7)

Date Collected: 10/03/22 14:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-2

Matrix: Solid
Percent Solids: 96.5

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10	3.7	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Anthracene	ND		10	2.1	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Fluoranthene	ND		10	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Pyrene	ND		10	3.9	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Benzo[a]anthracene	ND		10	2.2	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Chrysene	ND		10	1.6	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Benzo[b]fluoranthene	ND		10	3.6	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Benzo[k]fluoranthene	ND		10	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Benzo[a]pyrene	ND		10	4.4	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Indeno[1,2,3-cd]pyrene	ND		10	3.1	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Dibenz(a,h)anthracene	ND		10	2.9	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*44 - 120*	*10/12/22 11:20*	*10/12/22 16:14*	*1*
2-Fluorobiphenyl (Surr)	*68*		*47 - 120*	*10/12/22 11:20*	*10/12/22 16:14*	*1*
p-Terphenyl-d14	*80*		*54 - 132*	*10/12/22 11:20*	*10/12/22 16:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg	☼	10/11/22 10:42	10/11/22 16:53	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.1	mg/Kg	☼	10/11/22 10:42	10/11/22 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*50 - 150*	*10/11/22 10:42*	*10/11/22 16:53*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*10/11/22 10:42*	*10/11/22 16:53*	*1*

Client Sample ID: SB-8 (2-3)

Date Collected: 10/04/22 16:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-3

Matrix: Solid
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.31	0.087	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Chloromethane	ND	H *+	1.5	0.13	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Vinyl chloride	ND	H	0.19	0.063	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Bromomethane	ND	H	1.5	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Chloroethane	ND	H	0.62	0.17	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Trichlorofluoromethane	ND	H	0.62	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,1-Dichloroethene	ND	H	0.31	0.11	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Methylene Chloride	ND	H *+	1.1	0.62	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
trans-1,2-Dichloroethene	ND	H	0.31	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,1-Dichloroethane	ND	H	0.31	0.082	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
2,2-Dichloropropane	ND	H	0.31	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
cis-1,2-Dichloroethene	ND	H	0.31	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Bromochloromethane	ND	H	0.31	0.12	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Chloroform	ND	H	0.31	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,1,1-Trichloroethane	ND	H	0.31	0.054	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Carbon tetrachloride	ND	H	0.31	0.034	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1

Client Sample ID: SB-8 (2-3)
Date Collected: 10/04/22 16:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-3
Matrix: Solid
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND	H	0.31	0.054	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Benzene	ND	H	0.062	0.031	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2-Dichloroethane	ND	H	0.31	0.022	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Trichloroethene	ND	H	0.077	0.024	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2-Dichloropropane	ND	H	0.37	0.094	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Dibromomethane	ND	H	0.31	0.069	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Bromodichloromethane	ND	H	0.31	0.19	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
cis-1,3-Dichloropropene	ND	H	0.31	0.063	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Toluene	ND	H	0.31	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
trans-1,3-Dichloropropene	ND	H	0.31	0.081	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,1,2-Trichloroethane	ND	H	0.31	0.11	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Tetrachloroethene	ND	H	0.12	0.054	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,3-Dichloropropane	ND	H	0.31	0.092	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Dibromochloromethane	ND	H	0.62	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2-Dibromoethane (EDB)	ND	H	0.31	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Chlorobenzene	ND	H	0.31	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Ethylbenzene	ND	H	0.31	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,1,1,2-Tetrachloroethane	ND	H	0.31	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,1,2,2-Tetrachloroethane	ND	H	0.31	0.090	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
m,p-Xylene	**0.13**	**J H**	1.2	0.089	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
o-Xylene	**0.092**	**J H**	0.62	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Styrene	ND	H	0.31	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Bromoform	ND	H	0.62	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Isopropylbenzene	ND	H	0.31	0.096	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Bromobenzene	ND	H	0.31	0.069	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
N-Propylbenzene	ND	H	0.31	0.082	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2,3-Trichloropropane	ND	H	0.62	0.11	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
2-Chlorotoluene	ND	H	0.31	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,3,5-Trimethylbenzene	ND	H	0.31	0.099	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
4-Chlorotoluene	ND	H	0.31	0.027	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
tert-Butylbenzene	ND	H	0.31	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2,4-Trimethylbenzene	**0.14**	**J H**	0.31	0.072	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
sec-Butylbenzene	ND	H	0.31	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,3-Dichlorobenzene	ND	H	0.31	0.039	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
p-Isopropyltoluene	ND	H	0.31	0.063	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,4-Dichlorobenzene	ND	H	0.31	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
n-Butylbenzene	ND	H	0.31	0.085	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2-Dichlorobenzene	ND	H	0.31	0.072	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2-Dibromo-3-Chloropropane	ND	H	1.5	0.19	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2,4-Trichlorobenzene	ND	H	0.31	0.057	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
1,2,3-Trichlorobenzene	ND	H	0.31	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Hexachlorobutadiene	ND	H	0.31	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Naphthalene	**0.21**	**J H**	0.62	0.087	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1
Methyl tert-butyl ether	ND	H	0.15	0.093	mg/Kg	☼	10/10/22 15:46	10/22/22 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*	*10/10/22 15:46*	*10/22/22 05:41*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 122*	*10/10/22 15:46*	*10/22/22 05:41*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*	*10/10/22 15:46*	*10/22/22 05:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*	*10/10/22 15:46*	*10/22/22 05:41*	*1*

Client Sample ID: SB-8 (2-3)

Date Collected: 10/04/22 16:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-3

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**12**	**J B**	15	5.6	mg/Kg	☼	10/10/22 15:46	10/10/22 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 21:38*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
2-Methylnaphthalene	**4.3**	**J**	11	3.5	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
1-Methylnaphthalene	**4.4**	**J**	11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Acenaphthylene	ND		11	3.7	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Acenaphthene	ND		11	2.8	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Fluorene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Phenanthrene	**14**		11	4.0	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Anthracene	ND		11	2.2	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Fluoranthene	**2.9**	**J**	11	2.8	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Pyrene	**4.6**	**J**	11	4.2	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Benzo[a]anthracene	**2.5**	**J**	11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Chrysene	**3.9**	**J**	11	1.7	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Benzo[b]fluoranthene	ND		11	3.9	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Benzo[k]fluoranthene	ND		11	2.8	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Benzo[a]pyrene	ND		11	4.7	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Indeno[1,2,3-cd]pyrene	ND		11	3.3	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Dibenz(a,h)anthracene	ND		11	3.2	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1
Benzo[g,h,i]perylene	ND		11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*60*		*44 - 120*	*10/12/22 11:20*	*10/12/22 16:38*	*1*
2-Fluorobiphenyl (Surr)	*66*		*47 - 120*	*10/12/22 11:20*	*10/12/22 16:38*	*1*
p-Terphenyl-d14	*74*		*54 - 132*	*10/12/22 11:20*	*10/12/22 16:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**15**		11	4.7	mg/Kg	☼	10/11/22 10:42	10/11/22 17:13	1
Residual Range Organics (RRO) (C25-C36)	**13**	**J**	28	5.6	mg/Kg	☼	10/11/22 10:42	10/11/22 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*10/11/22 10:42*	*10/11/22 17:13*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*10/11/22 10:42*	*10/11/22 17:13*	*1*

Client Sample ID: SB-9 (2-3)

Date Collected: 10/05/22 10:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-4

Matrix: Solid
Percent Solids: 89.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.24	0.068	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Chloromethane	ND	H *+	1.2	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Vinyl chloride	ND	H	0.15	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Bromomethane	ND	H	1.2	0.080	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1

Client Sample ID: SB-9 (2-3)
Date Collected: 10/05/22 10:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-4
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H	0.49	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Trichlorofluoromethane	ND	H	0.49	0.080	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,1-Dichloroethene	ND	H	0.24	0.083	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Methylene Chloride	ND	H *+	0.85	0.49	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
trans-1,2-Dichloroethene	ND	H	0.24	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,1-Dichloroethane	ND	H	0.24	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
2,2-Dichloropropane	ND	H	0.24	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
cis-1,2-Dichloroethene	ND	H	0.24	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Bromochloromethane	ND	H	0.24	0.097	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Chloroform	ND	H	0.24	0.057	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,1,1-Trichloroethane	ND	H	0.24	0.042	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Carbon tetrachloride	ND	H	0.24	0.027	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,1-Dichloropropene	ND	H	0.24	0.042	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Benzene	ND	H	0.049	0.024	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2-Dichloroethane	ND	H	0.24	0.017	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Trichloroethene	ND	H	0.061	0.018	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2-Dichloropropane	ND	H	0.29	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Dibromomethane	ND	H	0.24	0.054	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Bromodichloromethane	ND	H	0.24	0.15	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
cis-1,3-Dichloropropene	ND	H	0.24	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Toluene	ND	H	0.24	0.032	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
trans-1,3-Dichloropropene	ND	H	0.24	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,1,2-Trichloroethane	ND	H	0.24	0.086	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Tetrachloroethene	ND	H	0.097	0.043	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,3-Dichloropropane	ND	H	0.24	0.072	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Dibromochloromethane	ND	H	0.49	0.039	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2-Dibromoethane (EDB)	ND	H	0.24	0.081	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Chlorobenzene	ND	H	0.24	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Ethylbenzene	ND	H	0.24	0.039	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,1,1,2-Tetrachloroethane	ND	H	0.24	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,1,2,2-Tetrachloroethane	ND	H	0.24	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
m,p-Xylene	ND	H	0.97	0.070	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
o-Xylene	ND	H	0.49	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Styrene	ND	H	0.24	0.057	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Bromoform	ND	H	0.49	0.046	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Isopropylbenzene	ND	H	0.24	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Bromobenzene	ND	H	0.24	0.054	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
N-Propylbenzene	ND	H	0.24	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2,3-Trichloropropane	ND	H	0.49	0.089	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
2-Chlorotoluene	ND	H	0.24	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,3,5-Trimethylbenzene	ND	H	0.24	0.078	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
4-Chlorotoluene	ND	H	0.24	0.021	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
tert-Butylbenzene	ND	H	0.24	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2,4-Trimethylbenzene	ND	H	0.24	0.057	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
sec-Butylbenzene	ND	H	0.24	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,3-Dichlorobenzene	ND	H	0.24	0.031	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
p-Isopropyltoluene	ND	H	0.24	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,4-Dichlorobenzene	ND	H	0.24	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
n-Butylbenzene	ND	H	0.24	0.067	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1

Client Sample ID: SB-9 (2-3)
Date Collected: 10/05/22 10:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-4
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND	H	0.24	0.057	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2-Dibromo-3-Chloropropane	ND	H	1.2	0.15	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2,4-Trichlorobenzene	ND	H	0.24	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
1,2,3-Trichlorobenzene	ND	H	0.24	0.081	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Hexachlorobutadiene	ND	H	0.24	0.040	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Naphthalene	ND	H	0.49	0.068	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1
Methyl tert-butyl ether	ND	H	0.12	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*	*10/10/22 15:46*	*10/22/22 06:02*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 122*	*10/10/22 15:46*	*10/22/22 06:02*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*	*10/10/22 15:46*	*10/22/22 06:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 129*	*10/10/22 15:46*	*10/22/22 06:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		12	4.4	mg/Kg	☼	10/10/22 15:46	10/10/22 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 22:00*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
2-Methylnaphthalene	ND		11	3.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
1-Methylnaphthalene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Acenaphthylene	ND		11	3.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Acenaphthene	ND		11	2.8	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Fluorene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Phenanthrene	ND		11	4.1	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Anthracene	ND		11	2.2	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Fluoranthene	ND		11	2.8	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Pyrene	ND		11	4.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Benzo[a]anthracene	ND		11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Chrysene	ND		11	1.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Benzo[b]fluoranthene	ND		11	3.9	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Benzo[k]fluoranthene	ND		11	2.8	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Benzo[a]pyrene	ND		11	4.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Indeno[1,2,3-cd]pyrene	ND		11	3.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Dibenz(a,h)anthracene	ND		11	3.2	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1
Benzo[g,h,i]perylene	ND		11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*68*		*44 - 120*	*10/12/22 11:20*	*10/12/22 17:01*	*1*
2-Fluorobiphenyl (Surr)	*69*		*47 - 120*	*10/12/22 11:20*	*10/12/22 17:01*	*1*
p-Terphenyl-d14	*79*		*54 - 132*	*10/12/22 11:20*	*10/12/22 17:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.6	mg/Kg	☼	10/11/22 10:42	10/11/22 17:34	1

Client Sample ID: SB-9 (2-3)

Lab Sample ID: 590-18915-4
Date Collected: 10/05/22 10:00
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	ND		28	5.5	mg/Kg	☼	10/11/22 10:42	10/11/22 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*10/11/22 10:42*	*10/11/22 17:34*	*1*
n-Triacontane-d62	*97*		*50 - 150*	*10/11/22 10:42*	*10/11/22 17:34*	*1*

Client Sample ID: SB-10 (2-3)

Lab Sample ID: 590-18915-5
Date Collected: 10/05/22 16:50
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.25	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Chloromethane	ND	H *+	1.3	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Vinyl chloride	ND	H	0.15	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Bromomethane	ND	H	1.3	0.083	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Chloroethane	ND	H	0.50	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Trichlorofluoromethane	ND	H	0.50	0.082	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,1-Dichloroethene	ND	H	0.25	0.086	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Methylene Chloride	ND	H *+	0.88	0.50	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
trans-1,2-Dichloroethene	ND	H	0.25	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,1-Dichloroethane	ND	H	0.25	0.066	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
2,2-Dichloropropane	ND	H	0.25	0.061	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
cis-1,2-Dichloroethene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Bromochloromethane	ND	H	0.25	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Chloroform	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,1,1-Trichloroethane	ND	H	0.25	0.043	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Carbon tetrachloride	ND	H	0.25	0.028	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,1-Dichloropropene	ND	H	0.25	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Benzene	ND	H	0.050	0.025	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2-Dichloroethane	ND	H	0.25	0.018	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Trichloroethene	ND	H	0.063	0.019	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2-Dichloropropane	ND	H	0.30	0.076	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Dibromomethane	ND	H	0.25	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Bromodichloromethane	ND	H	0.25	0.16	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
cis-1,3-Dichloropropene	ND	H	0.25	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Toluene	ND	H	0.25	0.033	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
trans-1,3-Dichloropropene	ND	H	0.25	0.066	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,1,2-Trichloroethane	ND	H	0.25	0.089	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Tetrachloroethene	ND	H	0.10	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,3-Dichloropropane	ND	H	0.25	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Dibromochloromethane	ND	H	0.50	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2-Dibromoethane (EDB)	ND	H	0.25	0.084	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Chlorobenzene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Ethylbenzene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,1,1,2-Tetrachloroethane	ND	H	0.25	0.048	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,1,2,2-Tetrachloroethane	ND	H	0.25	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
m,p-Xylene	ND	H	1.0	0.072	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
o-Xylene	ND	H	0.50	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1

Client Sample ID: SB-10 (2-3)
Date Collected: 10/05/22 16:50
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-5
Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Bromoform	ND	H	0.50	0.048	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Isopropylbenzene	ND	H	0.25	0.078	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Bromobenzene	ND	H	0.25	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
N-Propylbenzene	ND	H	0.25	0.066	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2,3-Trichloropropane	ND	H	0.50	0.092	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
2-Chlorotoluene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,3,5-Trimethylbenzene	ND	H	0.25	0.080	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
4-Chlorotoluene	ND	H	0.25	0.022	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
tert-Butylbenzene	ND	H	0.25	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2,4-Trimethylbenzene	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
sec-Butylbenzene	ND	H	0.25	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,3-Dichlorobenzene	ND	H	0.25	0.032	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
p-Isopropyltoluene	ND	H	0.25	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,4-Dichlorobenzene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
n-Butylbenzene	ND	H	0.25	0.069	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2-Dichlorobenzene	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2-Dibromo-3-Chloropropane	ND	H	1.3	0.15	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2,4-Trichlorobenzene	ND	H	0.25	0.046	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
1,2,3-Trichlorobenzene	ND	H	0.25	0.084	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Hexachlorobutadiene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Naphthalene	ND	H	0.50	0.070	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1
Methyl tert-butyl ether	ND	H	0.13	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*	*10/10/22 15:46*	*10/22/22 06:22*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 122*	*10/10/22 15:46*	*10/22/22 06:22*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*	*10/10/22 15:46*	*10/22/22 06:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 129*	*10/10/22 15:46*	*10/22/22 06:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		13	4.5	mg/Kg	☼	10/10/22 15:46	10/10/22 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 22:22*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
2-Methylnaphthalene	ND		11	3.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
1-Methylnaphthalene	ND		11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Acenaphthylene	ND		11	3.6	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Fluorene	ND		11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Phenanthrene	ND		11	3.9	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Anthracene	ND		11	2.2	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Fluoranthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Pyrene	ND		11	4.1	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Benzo[a]anthracene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1

Client Sample ID: SB-10 (2-3)

Lab Sample ID: 590-18915-5
Date Collected: 10/05/22 16:50
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 93.0

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		11	1.6	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Benzo[b]fluoranthene	ND		11	3.8	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Benzo[k]fluoranthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Benzo[a]pyrene	ND		11	4.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Indeno[1,2,3-cd]pyrene	ND		11	3.2	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Dibenz(a,h)anthracene	ND		11	3.1	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1
Benzo[g,h,i]perylene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*57*		*44 - 120*	*10/12/22 11:20*	*10/12/22 17:24*	*1*
2-Fluorobiphenyl (Surr)	*59*		*47 - 120*	*10/12/22 11:20*	*10/12/22 17:24*	*1*
p-Terphenyl-d14	*74*		*54 - 132*	*10/12/22 11:20*	*10/12/22 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.5	mg/Kg	☼	10/11/22 10:42	10/11/22 17:54	1
Residual Range Organics (RRO) (C25-C36)	ND		27	5.3	mg/Kg	☼	10/11/22 10:42	10/11/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*50 - 150*	*10/11/22 10:42*	*10/11/22 17:54*	*1*
n-Triacontane-d62	*96*		*50 - 150*	*10/11/22 10:42*	*10/11/22 17:54*	*1*

Client Sample ID: SB-11 (2-3)

Lab Sample ID: 590-18915-6
Date Collected: 10/06/22 10:30
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.22	0.062	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Chloromethane	ND	H *+	1.1	0.091	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Vinyl chloride	ND	H	0.13	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Bromomethane	ND	H	1.1	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Chloroethane	ND	H	0.44	0.12	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Trichlorofluoromethane	ND	H	0.44	0.072	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,1-Dichloroethene	ND	H	0.22	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Methylene Chloride	ND	H *+	0.77	0.44	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
trans-1,2-Dichloroethene	ND	H	0.22	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,1-Dichloroethane	ND	H	0.22	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
2,2-Dichloropropane	ND	H	0.22	0.053	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
cis-1,2-Dichloroethene	ND	H	0.22	0.046	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Bromochloromethane	ND	H	0.22	0.088	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Chloroform	ND	H	0.22	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,1,1-Trichloroethane	ND	H	0.22	0.038	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Carbon tetrachloride	ND	H	0.22	0.024	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,1-Dichloropropene	ND	H	0.22	0.038	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Benzene	ND	H	0.044	0.022	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2-Dichloroethane	ND	H	0.22	0.015	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Trichloroethene	ND	H	0.055	0.017	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2-Dichloropropane	ND	H	0.26	0.066	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1

Client Sample ID: SB-11 (2-3)
Date Collected: 10/06/22 10:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-6
Matrix: Solid
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND	H	0.22	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Bromodichloromethane	ND	H	0.22	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
cis-1,3-Dichloropropene	ND	H	0.22	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Toluene	ND	H	0.22	0.029	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
trans-1,3-Dichloropropene	ND	H	0.22	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,1,2-Trichloroethane	ND	H	0.22	0.077	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Tetrachloroethene	ND	H	0.088	0.039	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,3-Dichloropropane	ND	H	0.22	0.065	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Dibromochloromethane	ND	H	0.44	0.036	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2-Dibromoethane (EDB)	ND	H	0.22	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Chlorobenzene	ND	H	0.22	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Ethylbenzene	ND	H	0.22	0.036	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,1,1,2-Tetrachloroethane	ND	H	0.22	0.042	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,1,2,2-Tetrachloroethane	ND	H	0.22	0.064	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
m,p-Xylene	ND	H	0.88	0.063	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
o-Xylene	ND	H	0.44	0.050	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Styrene	ND	H	0.22	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Bromoform	ND	H	0.44	0.042	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Isopropylbenzene	ND	H	0.22	0.068	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Bromobenzene	ND	H	0.22	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
N-Propylbenzene	ND	H	0.22	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2,3-Trichloropropane	ND	H	0.44	0.080	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
2-Chlorotoluene	ND	H	0.22	0.036	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,3,5-Trimethylbenzene	ND	H	0.22	0.070	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
4-Chlorotoluene	ND	H	0.22	0.019	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
tert-Butylbenzene	ND	H	0.22	0.043	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2,4-Trimethylbenzene	ND	H	0.22	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
sec-Butylbenzene	ND	H	0.22	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,3-Dichlorobenzene	ND	H	0.22	0.028	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
p-Isopropyltoluene	ND	H	0.22	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,4-Dichlorobenzene	ND	H	0.22	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
n-Butylbenzene	ND	H	0.22	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2-Dichlorobenzene	ND	H	0.22	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2-Dibromo-3-Chloropropane	ND	H	1.1	0.13	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2,4-Trichlorobenzene	ND	H	0.22	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
1,2,3-Trichlorobenzene	ND	H	0.22	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Hexachlorobutadiene	ND	H	0.22	0.036	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Naphthalene	ND	H	0.44	0.061	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1
Methyl tert-butyl ether	ND	H	0.11	0.066	mg/Kg	☼	10/10/22 15:46	10/22/22 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*	*10/10/22 15:46*	*10/22/22 06:43*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 122*	*10/10/22 15:46*	*10/22/22 06:43*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*	*10/10/22 15:46*	*10/22/22 06:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 129*	*10/10/22 15:46*	*10/22/22 06:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		11	3.9	mg/Kg	☼	10/10/22 15:46	10/10/22 23:05	1

Client Sample ID: SB-11 (2-3)

Date Collected: 10/06/22 10:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-6

Matrix: Solid
Percent Solids: 93.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		41.5 - 162	10/10/22 15:46	10/10/22 23:05	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
2-Methylnaphthalene	ND		11	3.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
1-Methylnaphthalene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Acenaphthylene	ND		11	3.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Fluorene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Phenanthrene	ND		11	3.8	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Anthracene	ND		11	2.1	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Fluoranthene	**5.6**	**J**	11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Pyrene	**5.2**	**J**	11	4.0	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Benzo[a]anthracene	**2.4**	**J**	11	2.2	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Chrysene	**3.3**	**J**	11	1.6	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Benzo[b]fluoranthene	**6.8**	**J**	11	3.7	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Benzo[k]fluoranthene	ND		11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Benzo[a]pyrene	ND		11	4.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Indeno[1,2,3-cd]pyrene	ND		11	3.1	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Dibenz(a,h)anthracene	ND		11	3.0	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1
Benzo[g,h,i]perylene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		44 - 120	10/12/22 11:20	10/12/22 17:47	1
2-Fluorobiphenyl (Surr)	65		47 - 120	10/12/22 11:20	10/12/22 17:47	1
p-Terphenyl-d14	81		54 - 132	10/12/22 11:20	10/12/22 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.5	mg/Kg	☼	10/11/22 10:42	10/11/22 18:14	1
Residual Range Organics (RRO) (C25-C36)	ND		27	5.3	mg/Kg	☼	10/11/22 10:42	10/11/22 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150	10/11/22 10:42	10/11/22 18:14	1
n-Triacontane-d62	98		50 - 150	10/11/22 10:42	10/11/22 18:14	1

Client Sample ID: SB-12 (2-3)

Date Collected: 10/06/22 13:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-7

Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.25	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Chloromethane	ND	H *+	1.3	0.11	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Vinyl chloride	ND	H	0.15	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Bromomethane	ND	H	1.3	0.083	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Chloroethane	ND	H	0.50	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Trichlorofluoromethane	ND	H	0.50	0.083	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,1-Dichloroethene	ND	H	0.25	0.086	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1

Client Sample ID: SB-12 (2-3)
Date Collected: 10/06/22 13:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-7
Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	H *+	0.88	0.50	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
trans-1,2-Dichloroethene	ND	H	0.25	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,1-Dichloroethane	ND	H	0.25	0.067	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
2,2-Dichloropropane	ND	H	0.25	0.061	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
cis-1,2-Dichloroethene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Bromochloromethane	ND	H	0.25	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Chloroform	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,1,1-Trichloroethane	ND	H	0.25	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Carbon tetrachloride	ND	H	0.25	0.028	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,1-Dichloropropene	ND	H	0.25	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Benzene	ND	H	0.050	0.025	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2-Dichloroethane	ND	H	0.25	0.018	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Trichloroethene	ND	H	0.063	0.019	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2-Dichloropropane	ND	H	0.30	0.076	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Dibromomethane	ND	H	0.25	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Bromodichloromethane	ND	H	0.25	0.16	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
cis-1,3-Dichloropropene	ND	H	0.25	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Toluene	ND	H	0.25	0.034	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
trans-1,3-Dichloropropene	ND	H	0.25	0.066	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,1,2-Trichloroethane	ND	H	0.25	0.089	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Tetrachloroethene	ND	H	0.10	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,3-Dichloropropane	ND	H	0.25	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Dibromochloromethane	ND	H	0.50	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2-Dibromoethane (EDB)	ND	H	0.25	0.084	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Chlorobenzene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Ethylbenzene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,1,1,2-Tetrachloroethane	ND	H	0.25	0.048	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,1,2,2-Tetrachloroethane	ND	H	0.25	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
m,p-Xylene	ND	H	1.0	0.072	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
o-Xylene	ND	H	0.50	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Styrene	ND	H	0.25	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Bromoform	ND	H	0.50	0.048	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Isopropylbenzene	ND	H	0.25	0.078	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Bromobenzene	ND	H	0.25	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
N-Propylbenzene	ND	H	0.25	0.067	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2,3-Trichloropropane	ND	H	0.50	0.092	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
2-Chlorotoluene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,3,5-Trimethylbenzene	ND	H	0.25	0.081	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
4-Chlorotoluene	ND	H	0.25	0.022	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
tert-Butylbenzene	ND	H	0.25	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2,4-Trimethylbenzene	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
sec-Butylbenzene	ND	H	0.25	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,3-Dichlorobenzene	ND	H	0.25	0.032	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
p-Isopropyltoluene	ND	H	0.25	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,4-Dichlorobenzene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
n-Butylbenzene	ND	H	0.25	0.069	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2-Dichlorobenzene	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2-Dibromo-3-Chloropropane	ND	H	1.3	0.15	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
1,2,4-Trichlorobenzene	ND	H	0.25	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1

Client Sample ID: SB-12 (2-3)
Date Collected: 10/06/22 13:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-7
Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	H	0.25	0.084	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Hexachlorobutadiene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Naphthalene	ND	H	0.50	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1
Methyl tert-butyl ether	ND	H	0.13	0.076	mg/Kg	☼	10/10/22 15:46	10/22/22 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*10/10/22 15:46*	*10/22/22 07:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 122*	*10/10/22 15:46*	*10/22/22 07:04*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/10/22 15:46*	*10/22/22 07:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*	*10/10/22 15:46*	*10/22/22 07:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		13	4.5	mg/Kg	☼	10/10/22 15:46	10/10/22 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 23:26*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
2-Methylnaphthalene	ND		11	3.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
1-Methylnaphthalene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Acenaphthylene	ND		11	3.5	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Fluorene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Phenanthrene	ND		11	3.8	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Anthracene	ND		11	2.1	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Fluoranthene	ND		11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Pyrene	ND		11	4.0	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Benzo[a]anthracene	ND		11	2.2	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Chrysene	ND		11	1.6	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Benzo[b]fluoranthene	ND		11	3.7	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Benzo[k]fluoranthene	ND		11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Benzo[a]pyrene	ND		11	4.5	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Indeno[1,2,3-cd]pyrene	ND		11	3.1	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Dibenz(a,h)anthracene	ND		11	3.0	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1
Benzo[g,h,i]perylene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*64*		*44 - 120*	*10/12/22 11:20*	*10/12/22 18:11*	*1*
2-Fluorobiphenyl (Surr)	*66*		*47 - 120*	*10/12/22 11:20*	*10/12/22 18:11*	*1*
p-Terphenyl-d14	*79*		*54 - 132*	*10/12/22 11:20*	*10/12/22 18:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.5	mg/Kg	☼	10/11/22 10:42	10/11/22 18:35	1
Residual Range Organics (RRO) (C25-C36)	ND		27	5.4	mg/Kg	☼	10/11/22 10:42	10/11/22 18:35	1

Client Sample ID: SB-12 (2-3)

Lab Sample ID: 590-18915-7
Date Collected: 10/06/22 13:45
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 92.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	10/11/22 10:42	10/11/22 18:35	1
n-Triacontane-d62	96		50 - 150	10/11/22 10:42	10/11/22 18:35	1

Client Sample ID: DUP-1

Lab Sample ID: 590-18915-8
Date Collected: 10/06/22 00:00
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.25	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Chloromethane	ND	H *+	1.3	0.11	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Vinyl chloride	ND	H	0.15	0.051	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Bromomethane	ND	H	1.3	0.084	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Chloroethane	ND	H	0.51	0.14	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Trichlorofluoromethane	**0.12**	**J H**	0.51	0.083	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,1-Dichloroethene	ND	H	0.25	0.086	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Methylene Chloride	ND	H *+	0.89	0.51	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
trans-1,2-Dichloroethene	ND	H	0.25	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,1-Dichloroethane	ND	H	0.25	0.067	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
2,2-Dichloropropane	ND	H	0.25	0.061	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
cis-1,2-Dichloroethene	ND	H	0.25	0.053	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Bromochloromethane	ND	H	0.25	0.10	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Chloroform	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,1,1-Trichloroethane	ND	H	0.25	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Carbon tetrachloride	ND	H	0.25	0.028	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,1-Dichloropropene	ND	H	0.25	0.044	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Benzene	ND	H	0.051	0.025	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2-Dichloroethane	ND	H	0.25	0.018	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Trichloroethene	ND	H	0.063	0.019	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2-Dichloropropane	ND	H	0.30	0.077	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Dibromomethane	ND	H	0.25	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Bromodichloromethane	ND	H	0.25	0.16	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
cis-1,3-Dichloropropene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Toluene	ND	H	0.25	0.034	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
trans-1,3-Dichloropropene	ND	H	0.25	0.067	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,1,2-Trichloroethane	ND	H	0.25	0.089	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Tetrachloroethene	ND	H	0.10	0.045	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,3-Dichloropropane	ND	H	0.25	0.075	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Dibromochloromethane	ND	H	0.51	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2-Dibromoethane (EDB)	ND	H	0.25	0.085	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Chlorobenzene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Ethylbenzene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,1,1,2-Tetrachloroethane	ND	H	0.25	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,1,2,2-Tetrachloroethane	ND	H	0.25	0.074	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
m,p-Xylene	ND	H	1.0	0.073	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
o-Xylene	ND	H	0.51	0.058	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Styrene	ND	H	0.25	0.060	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Bromoform	ND	H	0.51	0.048	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Isopropylbenzene	ND	H	0.25	0.078	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Bromobenzene	ND	H	0.25	0.056	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1

Client Sample ID: DUP-1
Date Collected: 10/06/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-8
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND	H	0.25	0.067	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2,3-Trichloropropane	ND	H	0.51	0.093	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
2-Chlorotoluene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,3,5-Trimethylbenzene	ND	H	0.25	0.081	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
4-Chlorotoluene	ND	H	0.25	0.022	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
tert-Butylbenzene	ND	H	0.25	0.049	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2,4-Trimethylbenzene	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
sec-Butylbenzene	ND	H	0.25	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,3-Dichlorobenzene	ND	H	0.25	0.032	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
p-Isopropyltoluene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,4-Dichlorobenzene	ND	H	0.25	0.052	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
n-Butylbenzene	ND	H	0.25	0.070	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2-Dichlorobenzene	ND	H	0.25	0.059	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2-Dibromo-3-Chloropropane	ND	H	1.3	0.15	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2,4-Trichlorobenzene	ND	H	0.25	0.047	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
1,2,3-Trichlorobenzene	ND	H	0.25	0.084	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Hexachlorobutadiene	ND	H	0.25	0.041	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Naphthalene	ND	H	0.51	0.071	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1
Methyl tert-butyl ether	ND	H	0.13	0.076	mg/Kg	☼	10/10/22 15:46	10/22/22 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*	*10/10/22 15:46*	*10/22/22 07:25*	*1*
4-Bromofluorobenzene (Surr)	*91*		*76 - 122*	*10/10/22 15:46*	*10/22/22 07:25*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*	*10/10/22 15:46*	*10/22/22 07:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 129*	*10/10/22 15:46*	*10/22/22 07:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		13	4.6	mg/Kg	☼	10/10/22 15:46	10/10/22 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 23:48*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
2-Methylnaphthalene	ND		11	3.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
1-Methylnaphthalene	ND		11	2.4	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Acenaphthylene	ND		11	3.5	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Fluorene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Phenanthrene	ND		11	3.9	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Anthracene	ND		11	2.1	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Fluoranthene	ND		11	2.6	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Pyrene	ND		11	4.0	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Benzo[a]anthracene	ND		11	2.3	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Chrysene	ND		11	1.6	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Benzo[b]fluoranthene	ND		11	3.7	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Benzo[k]fluoranthene	ND		11	2.7	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Benzo[a]pyrene	ND		11	4.5	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1

Client Sample ID: DUP-1

Lab Sample ID: 590-18915-8
Date Collected: 10/06/22 00:00
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 92.3

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		11	3.2	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Dibenz(a,h)anthracene	ND		11	3.0	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1
Benzo[g,h,i]perylene	ND		11	2.5	ug/Kg	☼	10/12/22 11:20	10/12/22 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*70*		*44 - 120*	*10/12/22 11:20*	*10/12/22 18:34*	*1*
2-Fluorobiphenyl (Surr)	*73*		*47 - 120*	*10/12/22 11:20*	*10/12/22 18:34*	*1*
p-Terphenyl-d14	*86*		*54 - 132*	*10/12/22 11:20*	*10/12/22 18:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.4	mg/Kg	☼	10/11/22 10:42	10/11/22 18:55	1
Residual Range Organics (RRO) (C25-C36)	ND		26	5.3	mg/Kg	☼	10/11/22 10:42	10/11/22 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*10/11/22 10:42*	*10/11/22 18:55*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*10/11/22 10:42*	*10/11/22 18:55*	*1*

Client Sample ID: TB-1

Lab Sample ID: 590-18915-9
Date Collected: 10/03/22 00:00
Matrix: Solid
Date Received: 10/10/22 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	0.10	0.028	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Chloromethane	ND	H *+	0.50	0.042	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Vinyl chloride	ND	H	0.060	0.020	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Bromomethane	ND	H	0.50	0.033	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Chloroethane	ND	H	0.20	0.056	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Trichlorofluoromethane	ND	H	0.20	0.033	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,1-Dichloroethene	ND	H	0.10	0.034	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Methylene Chloride	ND	H *+	0.35	0.20	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
trans-1,2-Dichloroethene	ND	H	0.10	0.023	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,1-Dichloroethane	ND	H	0.10	0.026	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
2,2-Dichloropropane	ND	H	0.10	0.024	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
cis-1,2-Dichloroethene	ND	H	0.10	0.021	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Bromochloromethane	ND	H	0.10	0.040	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Chloroform	ND	H	0.10	0.023	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,1,1-Trichloroethane	ND	H	0.10	0.017	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Carbon tetrachloride	ND	H	0.10	0.011	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,1-Dichloropropene	ND	H	0.10	0.017	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Benzene	ND	H	0.020	0.010	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2-Dichloroethane	ND	H	0.10	0.0070	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Trichloroethene	ND	H	0.025	0.0076	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2-Dichloropropane	ND	H	0.12	0.030	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Dibromomethane	ND	H	0.10	0.022	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Bromodichloromethane	ND	H	0.10	0.062	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
cis-1,3-Dichloropropene	ND	H	0.10	0.020	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Toluene	ND	H	0.10	0.013	mg/Kg		10/10/22 15:46	10/22/22 07:45	1

Client Sample ID: TB-1

Date Collected: 10/03/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-9
Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	H	0.10	0.026	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,1,2-Trichloroethane	ND	H	0.10	0.035	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Tetrachloroethene	ND	H	0.040	0.018	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,3-Dichloropropane	ND	H	0.10	0.030	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Dibromochloromethane	ND	H	0.20	0.016	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2-Dibromoethane (EDB)	ND	H	0.10	0.033	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Chlorobenzene	ND	H	0.10	0.021	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Ethylbenzene	ND	H	0.10	0.016	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,1,1,2-Tetrachloroethane	ND	H	0.10	0.019	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,1,2,2-Tetrachloroethane	ND	H	0.10	0.029	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
m,p-Xylene	ND	H	0.40	0.029	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
o-Xylene	ND	H	0.20	0.023	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Styrene	ND	H	0.10	0.024	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Bromoform	ND	H	0.20	0.019	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Isopropylbenzene	ND	H	0.10	0.031	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Bromobenzene	ND	H	0.10	0.022	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
N-Propylbenzene	ND	H	0.10	0.026	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2,3-Trichloropropane	ND	H	0.20	0.036	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
2-Chlorotoluene	ND	H	0.10	0.016	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,3,5-Trimethylbenzene	ND	H	0.10	0.032	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
4-Chlorotoluene	ND	H	0.10	0.0087	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
tert-Butylbenzene	ND	H	0.10	0.019	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2,4-Trimethylbenzene	ND	H	0.10	0.023	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
sec-Butylbenzene	ND	H	0.10	0.019	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,3-Dichlorobenzene	ND	H	0.10	0.013	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
p-Isopropyltoluene	ND	H	0.10	0.020	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,4-Dichlorobenzene	ND	H	0.10	0.021	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
n-Butylbenzene	ND	H	0.10	0.027	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2-Dichlorobenzene	ND	H	0.10	0.023	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2-Dibromo-3-Chloropropane	ND	H	0.50	0.060	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2,4-Trichlorobenzene	ND	H	0.10	0.018	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
1,2,3-Trichlorobenzene	ND	H	0.10	0.033	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Hexachlorobutadiene	ND	H	0.10	0.016	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Naphthalene	ND	H	0.20	0.028	mg/Kg		10/10/22 15:46	10/22/22 07:45	1
Methyl tert-butyl ether	ND	H	0.050	0.030	mg/Kg		10/10/22 15:46	10/22/22 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*10/10/22 15:46*	*10/22/22 07:45*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 122*	*10/10/22 15:46*	*10/22/22 07:45*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/10/22 15:46*	*10/22/22 07:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 129*	*10/10/22 15:46*	*10/22/22 07:45*	*1*

Client Sample ID: MW-2

Date Collected: 10/07/22 09:10
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 12:08	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 12:08	1

Client Sample ID: MW-2
Date Collected: 10/07/22 09:10
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 12:08	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 12:08	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 12:08	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 12:08	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 12:08	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 12:08	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 12:08	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 12:08	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 12:08	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 12:08	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 12:08	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 12:08	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 12:08	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 12:08	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 12:08	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 12:08	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 12:08	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 12:08	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 12:08	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 12:08	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 12:08	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 12:08	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 12:08	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 12:08	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 12:08	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 12:08	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 12:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 12:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 12:08	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 12:08	1
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 12:08	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 12:08	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 12:08	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 12:08	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 12:08	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 12:08	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 12:08	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 12:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 12:08	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 12:08	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 12:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 12:08	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 12:08	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 12:08	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 12:08	1

Client Sample ID: MW-2
Date Collected: 10/07/22 09:10
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 12:08	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 12:08	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 12:08	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 12:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 12:08	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 12:08	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 12:08	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 12:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*122*	*S1+*	*80 - 120*		*10/13/22 12:08*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*10/13/22 12:08*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*10/13/22 12:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/13/22 12:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**36**	**J**	150	31	ug/L			10/13/22 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*		*10/13/22 12:08*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.093	0.055	ug/L		10/10/22 12:44	10/10/22 17:45	1
2-Methylnaphthalene	ND		0.093	0.046	ug/L		10/10/22 12:44	10/10/22 17:45	1
1-Methylnaphthalene	ND		0.093	0.024	ug/L		10/10/22 12:44	10/10/22 17:45	1
Acenaphthylene	ND		0.093	0.017	ug/L		10/10/22 12:44	10/10/22 17:45	1
Acenaphthene	ND		0.093	0.023	ug/L		10/10/22 12:44	10/10/22 17:45	1
Fluorene	ND		0.093	0.017	ug/L		10/10/22 12:44	10/10/22 17:45	1
Phenanthrene	ND		0.093	0.058	ug/L		10/10/22 12:44	10/10/22 17:45	1
Anthracene	ND		0.093	0.026	ug/L		10/10/22 12:44	10/10/22 17:45	1
Fluoranthene	ND		0.093	0.018	ug/L		10/10/22 12:44	10/10/22 17:45	1
Pyrene	ND		0.093	0.027	ug/L		10/10/22 12:44	10/10/22 17:45	1
Benzo[a]anthracene	ND		0.093	0.012	ug/L		10/10/22 12:44	10/10/22 17:45	1
Chrysene	ND		0.093	0.010	ug/L		10/10/22 12:44	10/10/22 17:45	1
Benzo[b]fluoranthene	ND		0.093	0.026	ug/L		10/10/22 12:44	10/10/22 17:45	1
Benzo[k]fluoranthene	ND		0.093	0.016	ug/L		10/10/22 12:44	10/10/22 17:45	1
Benzo[a]pyrene	ND		0.093	0.012	ug/L		10/10/22 12:44	10/10/22 17:45	1
Indeno[1,2,3-cd]pyrene	ND		0.093	0.023	ug/L		10/10/22 12:44	10/10/22 17:45	1
Dibenz(a,h)anthracene	ND		0.093	0.014	ug/L		10/10/22 12:44	10/10/22 17:45	1
Benzo[g,h,i]perylene	ND		0.093	0.022	ug/L		10/10/22 12:44	10/10/22 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*65*		*42 - 121*	*10/10/22 12:44*	*10/10/22 17:45*	*1*
2-Fluorobiphenyl (Surr)	*60*		*50 - 120*	*10/10/22 12:44*	*10/10/22 17:45*	*1*
p-Terphenyl-d14	*70*		*51 - 121*	*10/10/22 12:44*	*10/10/22 17:45*	*1*

Client Sample ID: MW-2

Date Collected: 10/07/22 09:10
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		10/11/22 12:56	10/12/22 00:02	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		10/11/22 12:56	10/12/22 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*10/11/22 12:56*	*10/12/22 00:02*	*1*
n-Triacontane-d62	*78*		*50 - 150*	*10/11/22 12:56*	*10/12/22 00:02*	*1*

Client Sample ID: MW-3

Date Collected: 10/07/22 12:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 12:51	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 12:51	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 12:51	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 12:51	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 12:51	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 12:51	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 12:51	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 12:51	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 12:51	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 12:51	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 12:51	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 12:51	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 12:51	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 12:51	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 12:51	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 12:51	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 12:51	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 12:51	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 12:51	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 12:51	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 12:51	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 12:51	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 12:51	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 12:51	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 12:51	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 12:51	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 12:51	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 12:51	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 12:51	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 12:51	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 12:51	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 12:51	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 12:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 12:51	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 12:51	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 12:51	1

Client Sample ID: MW-3

Date Collected: 10/07/22 12:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 12:51	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 12:51	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 12:51	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 12:51	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 12:51	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 12:51	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 12:51	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 12:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 12:51	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 12:51	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 12:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 12:51	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 12:51	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 12:51	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 12:51	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 12:51	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 12:51	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 12:51	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 12:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 12:51	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 12:51	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 12:51	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 12:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/13/22 12:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/13/22 12:51*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*10/13/22 12:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*10/13/22 12:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**33**	**J**	150	31	ug/L			10/13/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*68.7 - 141*		*10/13/22 12:51*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.094	0.056	ug/L		10/10/22 12:44	10/10/22 18:09	1
2-Methylnaphthalene	ND		0.094	0.046	ug/L		10/10/22 12:44	10/10/22 18:09	1
1-Methylnaphthalene	ND		0.094	0.024	ug/L		10/10/22 12:44	10/10/22 18:09	1
Acenaphthylene	ND		0.094	0.017	ug/L		10/10/22 12:44	10/10/22 18:09	1
Acenaphthene	ND		0.094	0.023	ug/L		10/10/22 12:44	10/10/22 18:09	1
Fluorene	ND		0.094	0.017	ug/L		10/10/22 12:44	10/10/22 18:09	1
Phenanthrene	ND		0.094	0.059	ug/L		10/10/22 12:44	10/10/22 18:09	1
Anthracene	ND		0.094	0.026	ug/L		10/10/22 12:44	10/10/22 18:09	1
Fluoranthene	ND		0.094	0.018	ug/L		10/10/22 12:44	10/10/22 18:09	1
Pyrene	ND		0.094	0.027	ug/L		10/10/22 12:44	10/10/22 18:09	1

Client Sample ID: MW-3

Date Collected: 10/07/22 12:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-11
Matrix: Water

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.094	0.013	ug/L		10/10/22 12:44	10/10/22 18:09	1
Chrysene	ND		0.094	0.010	ug/L		10/10/22 12:44	10/10/22 18:09	1
Benzo[b]fluoranthene	ND		0.094	0.026	ug/L		10/10/22 12:44	10/10/22 18:09	1
Benzo[k]fluoranthene	ND		0.094	0.016	ug/L		10/10/22 12:44	10/10/22 18:09	1
Benzo[a]pyrene	ND		0.094	0.013	ug/L		10/10/22 12:44	10/10/22 18:09	1
Indeno[1,2,3-cd]pyrene	ND		0.094	0.023	ug/L		10/10/22 12:44	10/10/22 18:09	1
Dibenz(a,h)anthracene	ND		0.094	0.014	ug/L		10/10/22 12:44	10/10/22 18:09	1
Benzo[g,h,i]perylene	ND		0.094	0.022	ug/L		10/10/22 12:44	10/10/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*42 - 121*	*10/10/22 12:44*	*10/10/22 18:09*	*1*
2-Fluorobiphenyl (Surr)	*67*		*50 - 120*	*10/10/22 12:44*	*10/10/22 18:09*	*1*
p-Terphenyl-d14	*80*		*51 - 121*	*10/10/22 12:44*	*10/10/22 18:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		10/11/22 12:56	10/12/22 00:22	1
Residual Range Organics (RRO) (C25-C36)	**0.15**	**J**	0.40	0.12	mg/L		10/11/22 12:56	10/12/22 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*10/11/22 12:56*	*10/12/22 00:22*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*10/11/22 12:56*	*10/12/22 00:22*	*1*

Client Sample ID: MW-4

Date Collected: 10/07/22 07:50
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 13:13	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 13:13	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 13:13	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 13:13	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 13:13	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 13:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:13	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:13	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 13:13	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 13:13	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 13:13	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 13:13	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 13:13	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 13:13	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 13:13	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 13:13	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 13:13	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:13	1

Client Sample ID: MW-4
Date Collected: 10/07/22 07:50
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 13:13	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 13:13	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 13:13	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 13:13	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 13:13	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 13:13	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 13:13	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 13:13	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 13:13	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 13:13	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 13:13	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 13:13	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 13:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 13:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 13:13	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 13:13	1
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 13:13	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 13:13	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 13:13	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 13:13	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 13:13	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 13:13	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 13:13	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 13:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 13:13	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 13:13	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 13:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 13:13	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 13:13	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 13:13	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 13:13	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 13:13	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 13:13	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 13:13	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 13:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 13:13	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 13:13	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 13:13	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 13:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*10/13/22 13:13*	*1*
4-Bromofluorobenzene (Surr)	*84*		*80 - 120*		*10/13/22 13:13*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*10/13/22 13:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*10/13/22 13:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	31	ug/L			10/13/22 13:13	1

Client Sample ID: MW-4

Date Collected: 10/07/22 07:50
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-12

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*84*		*68.7 - 141*		*10/13/22 13:13*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.093	0.055	ug/L		10/10/22 12:44	10/10/22 18:32	1
2-Methylnaphthalene	ND		0.093	0.045	ug/L		10/10/22 12:44	10/10/22 18:32	1
1-Methylnaphthalene	ND		0.093	0.024	ug/L		10/10/22 12:44	10/10/22 18:32	1
Acenaphthylene	ND		0.093	0.017	ug/L		10/10/22 12:44	10/10/22 18:32	1
Acenaphthene	ND		0.093	0.023	ug/L		10/10/22 12:44	10/10/22 18:32	1
Fluorene	ND		0.093	0.017	ug/L		10/10/22 12:44	10/10/22 18:32	1
Phenanthrene	ND		0.093	0.058	ug/L		10/10/22 12:44	10/10/22 18:32	1
Anthracene	ND		0.093	0.026	ug/L		10/10/22 12:44	10/10/22 18:32	1
Fluoranthene	ND		0.093	0.018	ug/L		10/10/22 12:44	10/10/22 18:32	1
Pyrene	ND		0.093	0.027	ug/L		10/10/22 12:44	10/10/22 18:32	1
Benzo[a]anthracene	ND		0.093	0.012	ug/L		10/10/22 12:44	10/10/22 18:32	1
Chrysene	ND		0.093	0.010	ug/L		10/10/22 12:44	10/10/22 18:32	1
Benzo[b]fluoranthene	ND		0.093	0.026	ug/L		10/10/22 12:44	10/10/22 18:32	1
Benzo[k]fluoranthene	ND		0.093	0.015	ug/L		10/10/22 12:44	10/10/22 18:32	1
Benzo[a]pyrene	ND		0.093	0.012	ug/L		10/10/22 12:44	10/10/22 18:32	1
Indeno[1,2,3-cd]pyrene	ND		0.093	0.023	ug/L		10/10/22 12:44	10/10/22 18:32	1
Dibenz(a,h)anthracene	ND		0.093	0.013	ug/L		10/10/22 12:44	10/10/22 18:32	1
Benzo[g,h,i]perylene	ND		0.093	0.022	ug/L		10/10/22 12:44	10/10/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*72*		*42 - 121*	*10/10/22 12:44*	*10/10/22 18:32*	*1*
2-Fluorobiphenyl (Surr)	*62*		*50 - 120*	*10/10/22 12:44*	*10/10/22 18:32*	*1*
p-Terphenyl-d14	*73*		*51 - 121*	*10/10/22 12:44*	*10/10/22 18:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		10/11/22 12:56	10/12/22 00:43	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		10/11/22 12:56	10/12/22 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*85*		*50 - 150*	*10/11/22 12:56*	*10/12/22 00:43*	*1*
n-Triacontane-d62	*81*		*50 - 150*	*10/11/22 12:56*	*10/12/22 00:43*	*1*

Client Sample ID: MW-5

Date Collected: 10/07/22 10:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-13

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 13:35	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 13:35	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 13:35	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 13:35	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 13:35	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 13:35	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:35	1

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: MW-5
Date Collected: 10/07/22 10:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 13:35	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:35	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 13:35	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 13:35	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 13:35	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 13:35	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 13:35	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 13:35	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 13:35	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 13:35	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 13:35	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 13:35	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:35	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 13:35	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 13:35	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 13:35	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 13:35	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 13:35	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 13:35	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 13:35	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 13:35	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 13:35	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 13:35	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 13:35	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 13:35	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 13:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 13:35	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 13:35	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 13:35	1
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 13:35	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 13:35	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 13:35	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 13:35	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 13:35	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 13:35	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 13:35	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 13:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 13:35	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 13:35	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 13:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 13:35	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 13:35	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 13:35	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 13:35	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 13:35	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 13:35	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 13:35	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 13:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 13:35	1

Client Sample ID: MW-5

Date Collected: 10/07/22 10:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-13

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 13:35	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 13:35	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 13:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*83*		*80 - 120*		*10/13/22 13:35*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*10/13/22 13:35*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*10/13/22 13:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/13/22 13:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	32	J	150	31	ug/L			10/13/22 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*68.7 - 141*		*10/13/22 13:35*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.091	0.053	ug/L		10/10/22 12:44	10/10/22 18:55	1
2-Methylnaphthalene	ND		0.091	0.044	ug/L		10/10/22 12:44	10/10/22 18:55	1
1-Methylnaphthalene	ND		0.091	0.023	ug/L		10/10/22 12:44	10/10/22 18:55	1
Acenaphthylene	ND		0.091	0.016	ug/L		10/10/22 12:44	10/10/22 18:55	1
Acenaphthene	ND		0.091	0.022	ug/L		10/10/22 12:44	10/10/22 18:55	1
Fluorene	ND		0.091	0.016	ug/L		10/10/22 12:44	10/10/22 18:55	1
Phenanthrene	ND		0.091	0.056	ug/L		10/10/22 12:44	10/10/22 18:55	1
Anthracene	ND		0.091	0.025	ug/L		10/10/22 12:44	10/10/22 18:55	1
Fluoranthene	ND		0.091	0.017	ug/L		10/10/22 12:44	10/10/22 18:55	1
Pyrene	ND		0.091	0.026	ug/L		10/10/22 12:44	10/10/22 18:55	1
Benzo[a]anthracene	ND		0.091	0.012	ug/L		10/10/22 12:44	10/10/22 18:55	1
Chrysene	ND		0.091	0.010	ug/L		10/10/22 12:44	10/10/22 18:55	1
Benzo[b]fluoranthene	ND		0.091	0.025	ug/L		10/10/22 12:44	10/10/22 18:55	1
Benzo[k]fluoranthene	ND		0.091	0.015	ug/L		10/10/22 12:44	10/10/22 18:55	1
Benzo[a]pyrene	ND		0.091	0.012	ug/L		10/10/22 12:44	10/10/22 18:55	1
Indeno[1,2,3-cd]pyrene	ND		0.091	0.022	ug/L		10/10/22 12:44	10/10/22 18:55	1
Dibenz(a,h)anthracene	ND		0.091	0.013	ug/L		10/10/22 12:44	10/10/22 18:55	1
Benzo[g,h,i]perylene	ND		0.091	0.021	ug/L		10/10/22 12:44	10/10/22 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*68*		*42 - 121*	*10/10/22 12:44*	*10/10/22 18:55*	*1*
2-Fluorobiphenyl (Surr)	*64*		*50 - 120*	*10/10/22 12:44*	*10/10/22 18:55*	*1*
p-Terphenyl-d14	*73*		*51 - 121*	*10/10/22 12:44*	*10/10/22 18:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		10/11/22 12:56	10/12/22 01:03	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		10/11/22 12:56	10/12/22 01:03	1

Client Sample ID: MW-5

Lab Sample ID: 590-18915-13

Date Collected: 10/07/22 10:35

Matrix: Water

Date Received: 10/10/22 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*10/11/22 12:56*	*10/12/22 01:03*	*1*
n-Triacontane-d62	*79*		*50 - 150*	*10/11/22 12:56*	*10/12/22 01:03*	*1*

Client Sample ID: MW-6

Lab Sample ID: 590-18915-14

Date Collected: 10/07/22 13:35

Matrix: Water

Date Received: 10/10/22 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 13:56	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 13:56	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 13:56	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 13:56	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 13:56	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 13:56	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:56	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 13:56	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:56	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 13:56	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 13:56	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 13:56	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 13:56	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 13:56	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 13:56	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 13:56	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 13:56	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 13:56	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 13:56	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 13:56	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 13:56	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 13:56	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 13:56	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 13:56	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 13:56	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 13:56	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 13:56	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 13:56	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 13:56	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 13:56	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 13:56	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 13:56	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 13:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 13:56	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 13:56	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 13:56	1
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 13:56	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 13:56	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 13:56	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 13:56	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 13:56	1

Client Sample ID: MW-6

Date Collected: 10/07/22 13:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-14

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 13:56	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 13:56	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 13:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 13:56	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 13:56	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 13:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 13:56	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 13:56	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 13:56	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 13:56	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 13:56	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 13:56	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 13:56	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 13:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 13:56	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 13:56	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 13:56	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 13:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/13/22 13:56*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/13/22 13:56*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/13/22 13:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/13/22 13:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**33**	**J**	150	31	ug/L			10/13/22 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*68.7 - 141*		*10/13/22 13:56*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.093	0.055	ug/L		10/10/22 12:44	10/10/22 19:19	1
2-Methylnaphthalene	ND		0.093	0.046	ug/L		10/10/22 12:44	10/10/22 19:19	1
1-Methylnaphthalene	ND		0.093	0.024	ug/L		10/10/22 12:44	10/10/22 19:19	1
Acenaphthylene	ND		0.093	0.017	ug/L		10/10/22 12:44	10/10/22 19:19	1
Acenaphthene	ND		0.093	0.023	ug/L		10/10/22 12:44	10/10/22 19:19	1
Fluorene	ND		0.093	0.017	ug/L		10/10/22 12:44	10/10/22 19:19	1
Phenanthrene	ND		0.093	0.058	ug/L		10/10/22 12:44	10/10/22 19:19	1
Anthracene	ND		0.093	0.026	ug/L		10/10/22 12:44	10/10/22 19:19	1
Fluoranthene	ND		0.093	0.018	ug/L		10/10/22 12:44	10/10/22 19:19	1
Pyrene	ND		0.093	0.027	ug/L		10/10/22 12:44	10/10/22 19:19	1
Benzo[a]anthracene	ND		0.093	0.012	ug/L		10/10/22 12:44	10/10/22 19:19	1
Chrysene	ND		0.093	0.010	ug/L		10/10/22 12:44	10/10/22 19:19	1
Benzo[b]fluoranthene	ND		0.093	0.026	ug/L		10/10/22 12:44	10/10/22 19:19	1
Benzo[k]fluoranthene	ND		0.093	0.016	ug/L		10/10/22 12:44	10/10/22 19:19	1
Benzo[a]pyrene	ND		0.093	0.012	ug/L		10/10/22 12:44	10/10/22 19:19	1

Client Sample ID: MW-6

Date Collected: 10/07/22 13:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-14

Matrix: Water

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.093	0.023	ug/L		10/10/22 12:44	10/10/22 19:19	1
Dibenz(a,h)anthracene	ND		0.093	0.013	ug/L		10/10/22 12:44	10/10/22 19:19	1
Benzo[g,h,i]perylene	ND		0.093	0.022	ug/L		10/10/22 12:44	10/10/22 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*72*		*42 - 121*	*10/10/22 12:44*	*10/10/22 19:19*	*1*
2-Fluorobiphenyl (Surr)	*65*		*50 - 120*	*10/10/22 12:44*	*10/10/22 19:19*	*1*
p-Terphenyl-d14	*73*		*51 - 121*	*10/10/22 12:44*	*10/10/22 19:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		10/11/22 12:56	10/12/22 01:24	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		10/11/22 12:56	10/12/22 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*10/11/22 12:56*	*10/12/22 01:24*	*1*
n-Triacontane-d62	*76*		*50 - 150*	*10/11/22 12:56*	*10/12/22 01:24*	*1*

Client Sample ID: DUP-1

Date Collected: 10/07/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-15

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 14:18	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 14:18	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 14:18	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 14:18	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 14:18	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 14:18	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 14:18	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 14:18	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 14:18	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 14:18	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 14:18	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 14:18	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 14:18	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 14:18	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 14:18	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 14:18	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 14:18	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 14:18	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 14:18	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 14:18	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 14:18	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 14:18	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 14:18	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 14:18	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 14:18	1

Client Sample ID: DUP-1
Date Collected: 10/07/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 14:18	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 14:18	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 14:18	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 14:18	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 14:18	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 14:18	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 14:18	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 14:18	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 14:18	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 14:18	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 14:18	1
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 14:18	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 14:18	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 14:18	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 14:18	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 14:18	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 14:18	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 14:18	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 14:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 14:18	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 14:18	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 14:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 14:18	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 14:18	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 14:18	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 14:18	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 14:18	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 14:18	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 14:18	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 14:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 14:18	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 14:18	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 14:18	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 14:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*82*		*80 - 120*		*10/13/22 14:18*	*1*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*80 - 120*		*10/13/22 14:18*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/13/22 14:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/13/22 14:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	38	J	150	31	ug/L			10/13/22 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*68.7 - 141*		*10/13/22 14:18*	*1*

Client Sample ID: DUP-1

Date Collected: 10/07/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-15
Matrix: Water

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.096	0.056	ug/L		10/10/22 12:44	10/10/22 19:42	1
2-Methylnaphthalene	ND		0.096	0.047	ug/L		10/10/22 12:44	10/10/22 19:42	1
1-Methylnaphthalene	ND		0.096	0.024	ug/L		10/10/22 12:44	10/10/22 19:42	1
Acenaphthylene	ND		0.096	0.017	ug/L		10/10/22 12:44	10/10/22 19:42	1
Acenaphthene	ND		0.096	0.023	ug/L		10/10/22 12:44	10/10/22 19:42	1
Fluorene	ND		0.096	0.017	ug/L		10/10/22 12:44	10/10/22 19:42	1
Phenanthrene	ND		0.096	0.060	ug/L		10/10/22 12:44	10/10/22 19:42	1
Anthracene	ND		0.096	0.027	ug/L		10/10/22 12:44	10/10/22 19:42	1
Fluoranthene	ND		0.096	0.018	ug/L		10/10/22 12:44	10/10/22 19:42	1
Pyrene	ND		0.096	0.028	ug/L		10/10/22 12:44	10/10/22 19:42	1
Benzo[a]anthracene	ND		0.096	0.013	ug/L		10/10/22 12:44	10/10/22 19:42	1
Chrysene	ND		0.096	0.011	ug/L		10/10/22 12:44	10/10/22 19:42	1
Benzo[b]fluoranthene	ND		0.096	0.027	ug/L		10/10/22 12:44	10/10/22 19:42	1
Benzo[k]fluoranthene	ND		0.096	0.016	ug/L		10/10/22 12:44	10/10/22 19:42	1
Benzo[a]pyrene	ND		0.096	0.013	ug/L		10/10/22 12:44	10/10/22 19:42	1
Indeno[1,2,3-cd]pyrene	ND		0.096	0.023	ug/L		10/10/22 12:44	10/10/22 19:42	1
Dibenz(a,h)anthracene	ND		0.096	0.014	ug/L		10/10/22 12:44	10/10/22 19:42	1
Benzo[g,h,i]perylene	ND		0.096	0.022	ug/L		10/10/22 12:44	10/10/22 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*75*		*42 - 121*	*10/10/22 12:44*	*10/10/22 19:42*	*1*
2-Fluorobiphenyl (Surr)	*68*		*50 - 120*	*10/10/22 12:44*	*10/10/22 19:42*	*1*
p-Terphenyl-d14	*69*		*51 - 121*	*10/10/22 12:44*	*10/10/22 19:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		10/11/22 12:56	10/12/22 01:44	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		10/11/22 12:56	10/12/22 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*10/11/22 12:56*	*10/12/22 01:44*	*1*
n-Triacontane-d62	*78*		*50 - 150*	*10/11/22 12:56*	*10/12/22 01:44*	*1*

Client Sample ID: TB-1

Date Collected: 10/07/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 14:39	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 14:39	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 14:39	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 14:39	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 14:39	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 14:39	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 14:39	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 14:39	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 14:39	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 14:39	1

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: TB-1
Date Collected: 10/07/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 14:39	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 14:39	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 14:39	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 14:39	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 14:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 14:39	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 14:39	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 14:39	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 14:39	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 14:39	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 14:39	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 14:39	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 14:39	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 14:39	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 14:39	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 14:39	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 14:39	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 14:39	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 14:39	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 14:39	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 14:39	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 14:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 14:39	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 14:39	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 14:39	1
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 14:39	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 14:39	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 14:39	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 14:39	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 14:39	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 14:39	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 14:39	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 14:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 14:39	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 14:39	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 14:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 14:39	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 14:39	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 14:39	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 14:39	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 14:39	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 14:39	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 14:39	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 14:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 14:39	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 14:39	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 14:39	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 14:39	1

Client Sample ID: TB-1

Lab Sample ID: 590-18915-16

Date Collected: 10/07/22 00:00

Matrix: Water

Date Received: 10/10/22 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*10/13/22 14:39*	*1*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*80 - 120*		*10/13/22 14:39*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*10/13/22 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/13/22 14:39*	*1*

Client Sample ID: MW-1

Lab Sample ID: 590-18915-17

Date Collected: 10/06/22 17:10

Matrix: Water

Date Received: 10/10/22 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 15:01	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 15:01	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 15:01	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 15:01	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 15:01	1
Trichlorofluoromethane	ND	*1	1.0	0.20	ug/L			10/13/22 15:01	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 15:01	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 15:01	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 15:01	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 15:01	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 15:01	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 15:01	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 15:01	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 15:01	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 15:01	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 15:01	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 15:01	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 15:01	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 15:01	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 15:01	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 15:01	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 15:01	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 15:01	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 15:01	1
Toluene	ND	*1	1.0	0.31	ug/L			10/13/22 15:01	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 15:01	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 15:01	1
Tetrachloroethene	ND	*+ *1	1.0	0.22	ug/L			10/13/22 15:01	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 15:01	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 15:01	1
1,2-Dibromoethane (EDB)	ND	*+	1.0	0.20	ug/L			10/13/22 15:01	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 15:01	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 15:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 15:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 15:01	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 15:01	1

Client Sample ID: MW-1
Date Collected: 10/06/22 17:10
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 15:01	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 15:01	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 15:01	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 15:01	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 15:01	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 15:01	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 15:01	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 15:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 15:01	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 15:01	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 15:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 15:01	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 15:01	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 15:01	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 15:01	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 15:01	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 15:01	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 15:01	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 15:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 15:01	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.33	ug/L			10/13/22 15:01	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 15:01	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 15:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*10/13/22 15:01*	*1*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*		*10/13/22 15:01*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/13/22 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*10/13/22 15:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	31	ug/L			10/13/22 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*68.7 - 141*		*10/13/22 15:01*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.088	0.052	ug/L		10/10/22 12:44	10/10/22 20:05	1
2-Methylnaphthalene	ND		0.088	0.043	ug/L		10/10/22 12:44	10/10/22 20:05	1
1-Methylnaphthalene	ND		0.088	0.023	ug/L		10/10/22 12:44	10/10/22 20:05	1
Acenaphthylene	ND		0.088	0.016	ug/L		10/10/22 12:44	10/10/22 20:05	1
Acenaphthene	ND		0.088	0.022	ug/L		10/10/22 12:44	10/10/22 20:05	1
Fluorene	ND		0.088	0.016	ug/L		10/10/22 12:44	10/10/22 20:05	1
Phenanthrene	ND		0.088	0.055	ug/L		10/10/22 12:44	10/10/22 20:05	1
Anthracene	ND		0.088	0.025	ug/L		10/10/22 12:44	10/10/22 20:05	1
Fluoranthene	ND		0.088	0.017	ug/L		10/10/22 12:44	10/10/22 20:05	1
Pyrene	ND		0.088	0.026	ug/L		10/10/22 12:44	10/10/22 20:05	1

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: MW-1
Date Collected: 10/06/22 17:10
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-17
Matrix: Water

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.088	0.012	ug/L		10/10/22 12:44	10/10/22 20:05	1
Chrysene	ND		0.088	0.0098	ug/L		10/10/22 12:44	10/10/22 20:05	1
Benzo[b]fluoranthene	ND		0.088	0.025	ug/L		10/10/22 12:44	10/10/22 20:05	1
Benzo[k]fluoranthene	ND		0.088	0.015	ug/L		10/10/22 12:44	10/10/22 20:05	1
Benzo[a]pyrene	ND		0.088	0.012	ug/L		10/10/22 12:44	10/10/22 20:05	1
Indeno[1,2,3-cd]pyrene	ND		0.088	0.022	ug/L		10/10/22 12:44	10/10/22 20:05	1
Dibenz(a,h)anthracene	ND		0.088	0.013	ug/L		10/10/22 12:44	10/10/22 20:05	1
Benzo[g,h,i]perylene	ND		0.088	0.021	ug/L		10/10/22 12:44	10/10/22 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*74*		*42 - 121*	*10/10/22 12:44*	*10/10/22 20:05*	*1*
2-Fluorobiphenyl (Surr)	*68*		*50 - 120*	*10/10/22 12:44*	*10/10/22 20:05*	*1*
p-Terphenyl-d14	*73*		*51 - 121*	*10/10/22 12:44*	*10/10/22 20:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		10/11/22 13:00	10/12/22 03:06	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		10/11/22 13:00	10/12/22 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*10/11/22 13:00*	*10/12/22 03:06*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*10/11/22 13:00*	*10/12/22 03:06*	*1*

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

Lab Sample ID: MB 590-38494/1-A
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Chloromethane	ND		0.50	0.042	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Bromomethane	ND		0.50	0.033	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Chloroethane	ND		0.20	0.056	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,1-Dichloroethene	ND		0.10	0.034	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Methylene Chloride	0.363		0.35	0.20	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,1-Dichloroethane	ND		0.10	0.026	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
2,2-Dichloropropane	ND		0.10	0.024	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Chloroform	ND		0.10	0.024	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,1,1-Trichloroethane	ND		0.10	0.017	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,1-Dichloropropene	ND		0.10	0.017	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Benzene	ND		0.020	0.010	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2-Dichloroethane	ND		0.10	0.0070	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Trichloroethene	ND		0.025	0.0076	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Dibromomethane	ND		0.10	0.022	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Bromodichloromethane	ND		0.10	0.062	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
cis-1,3-Dichloropropene	ND		0.10	0.020	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Toluene	ND		0.10	0.013	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
trans-1,3-Dichloropropene	ND		0.10	0.026	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,1,2-Trichloroethane	ND		0.10	0.035	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Tetrachloroethene	ND		0.040	0.018	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
o-Xylene	ND		0.20	0.023	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Styrene	ND		0.10	0.024	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Bromoform	ND		0.20	0.019	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Bromobenzene	ND		0.10	0.022	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
N-Propylbenzene	ND		0.10	0.026	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
2-Chlorotoluene	ND		0.10	0.016	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
4-Chlorotoluene	ND		0.10	0.0087	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2,4-Trimethylbenzene	ND		0.10	0.023	mg/Kg		10/10/22 15:46	10/22/22 03:15	1

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

Lab Sample ID: MB 590-38494/1-A
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
p-Isopropyltoluene	ND		0.10	0.020	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2-Dichlorobenzene	ND		0.10	0.023	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
1,2,3-Trichlorobenzene	ND		0.10	0.033	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Hexachlorobutadiene	ND		0.10	0.016	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Naphthalene	ND		0.20	0.028	mg/Kg		10/10/22 15:46	10/22/22 03:15	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		10/10/22 15:46	10/22/22 03:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*10/10/22 15:46*	*10/22/22 03:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 122*	*10/10/22 15:46*	*10/22/22 03:15*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*	*10/10/22 15:46*	*10/22/22 03:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 129*	*10/10/22 15:46*	*10/22/22 03:15*	*1*

Lab Sample ID: LCS 590-38494/2-B
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	0.500	0.409		mg/Kg		82	34 - 120
Chloromethane	0.500	0.622	*+	mg/Kg		124	42 - 120
Vinyl chloride	0.500	0.573		mg/Kg		115	66 - 129
Bromomethane	0.500	0.630		mg/Kg		126	56 - 138
Chloroethane	0.500	0.606		mg/Kg		121	50 - 150
Trichlorofluoromethane	0.500	0.572		mg/Kg		114	64 - 143
1,1-Dichloroethene	0.500	0.557		mg/Kg		111	63 - 150
Methylene Chloride	0.500	0.855	*+	mg/Kg		171	47 - 150
trans-1,2-Dichloroethene	0.500	0.585		mg/Kg		117	80 - 138
1,1-Dichloroethane	0.500	0.570		mg/Kg		114	80 - 136
2,2-Dichloropropane	0.500	0.447		mg/Kg		89	73 - 150
cis-1,2-Dichloroethene	0.500	0.562		mg/Kg		112	80 - 144
Bromochloromethane	0.500	0.554		mg/Kg		111	75 - 148
Chloroform	0.500	0.553		mg/Kg		111	80 - 150
1,1,1-Trichloroethane	0.500	0.501		mg/Kg		100	80 - 150
Carbon tetrachloride	0.500	0.505		mg/Kg		101	72 - 150
1,1-Dichloropropene	0.500	0.562		mg/Kg		112	78 - 145
Benzene	0.500	0.574		mg/Kg		115	76 - 139
1,2-Dichloroethane	0.500	0.531		mg/Kg		106	73 - 150
Trichloroethene	0.500	0.557		mg/Kg		111	79 - 144
1,2-Dichloropropane	0.500	0.566		mg/Kg		113	75 - 135
Dibromomethane	0.500	0.510		mg/Kg		102	80 - 140
Bromodichloromethane	0.500	0.489		mg/Kg		98	80 - 146
cis-1,3-Dichloropropene	0.500	0.475		mg/Kg		95	80 - 136

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

Lab Sample ID: LCS 590-38494/2-B
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.500	0.557		mg/Kg		111	77 - 131
trans-1,3-Dichloropropene	0.500	0.506		mg/Kg		101	80 - 124
1,1,2-Trichloroethane	0.500	0.538		mg/Kg		108	80 - 132
Tetrachloroethene	0.500	0.605		mg/Kg		121	77 - 149
1,3-Dichloropropane	0.500	0.535		mg/Kg		107	76 - 125
Dibromochloromethane	0.500	0.499		mg/Kg		100	78 - 136
1,2-Dibromoethane (EDB)	0.500	0.533		mg/Kg		107	75 - 129
Chlorobenzene	0.500	0.547		mg/Kg		109	80 - 136
Ethylbenzene	0.500	0.562		mg/Kg		112	77 - 135
1,1,1,2-Tetrachloroethane	0.500	0.527		mg/Kg		105	80 - 128
1,1,2,2-Tetrachloroethane	0.500	0.531		mg/Kg		106	75 - 137
m,p-Xylene	0.500	0.556		mg/Kg		111	78 - 130
o-Xylene	0.500	0.551		mg/Kg		110	77 - 129
Styrene	0.500	0.544		mg/Kg		109	80 - 128
Bromoform	0.500	0.449		mg/Kg		90	72 - 133
Isopropylbenzene	0.500	0.569		mg/Kg		114	78 - 139
Bromobenzene	0.500	0.537		mg/Kg		107	75 - 142
N-Propylbenzene	0.500	0.584		mg/Kg		117	77 - 140
1,2,3-Trichloropropane	0.500	0.530		mg/Kg		106	67 - 144
2-Chlorotoluene	0.500	0.560		mg/Kg		112	77 - 135
1,3,5-Trimethylbenzene	0.500	0.576		mg/Kg		115	76 - 133
4-Chlorotoluene	0.500	0.565		mg/Kg		113	77 - 133
tert-Butylbenzene	0.500	0.569		mg/Kg		114	76 - 130
1,2,4-Trimethylbenzene	0.500	0.571		mg/Kg		114	76 - 139
sec-Butylbenzene	0.500	0.575		mg/Kg		115	76 - 139
1,3-Dichlorobenzene	0.500	0.532		mg/Kg		106	80 - 133
p-Isopropyltoluene	0.500	0.558		mg/Kg		112	80 - 140
1,4-Dichlorobenzene	0.500	0.537		mg/Kg		107	80 - 133
n-Butylbenzene	0.500	0.535		mg/Kg		107	80 - 131
1,2-Dichlorobenzene	0.500	0.522		mg/Kg		104	80 - 135
1,2-Dibromo-3-Chloropropane	0.500	0.474	J	mg/Kg		95	65 - 139
1,2,4-Trichlorobenzene	0.500	0.515		mg/Kg		103	67 - 140
1,2,3-Trichlorobenzene	0.500	0.495		mg/Kg		99	66 - 143
Hexachlorobutadiene	0.500	0.522		mg/Kg		104	59 - 150
Naphthalene	0.500	0.499		mg/Kg		100	67 - 129
Methyl tert-butyl ether	0.500	0.528		mg/Kg		106	80 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*76 - 122*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 129*

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

Lab Sample ID: 590-18915-2 MS
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: SB-7 (6-7)
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	ND	H F1	1.14	1.53	F1	mg/Kg	☼	134	34 - 120
Chloromethane	ND	H F1 *+	1.14	1.47	F1	mg/Kg	☼	129	42 - 120
Vinyl chloride	ND	H	1.14	1.29		mg/Kg	☼	113	66 - 129
Bromomethane	ND	H	1.14	1.36		mg/Kg	☼	119	56 - 138
Chloroethane	ND	H	1.14	1.29		mg/Kg	☼	113	50 - 150
Trichlorofluoromethane	ND	H	1.14	1.27		mg/Kg	☼	111	64 - 143
1,1-Dichloroethene	ND	H	1.14	1.18		mg/Kg	☼	104	63 - 150
Methylene Chloride	0.83	H B *+	1.14	1.79		mg/Kg	☼	84	47 - 150
trans-1,2-Dichloroethene	ND	H	1.14	1.26		mg/Kg	☼	111	80 - 138
1,1-Dichloroethane	ND	H	1.14	1.29		mg/Kg	☼	113	80 - 136
2,2-Dichloropropane	ND	H	1.14	0.909		mg/Kg	☼	80	73 - 150
cis-1,2-Dichloroethene	ND	H	1.14	1.23		mg/Kg	☼	108	80 - 144
Bromochloromethane	ND	H	1.14	1.24		mg/Kg	☼	109	75 - 148
Chloroform	ND	H	1.14	1.24		mg/Kg	☼	109	80 - 150
1,1,1-Trichloroethane	ND	H	1.14	1.07		mg/Kg	☼	94	80 - 150
Carbon tetrachloride	ND	H	1.14	1.09		mg/Kg	☼	96	72 - 150
1,1-Dichloropropene	ND	H	1.14	1.26		mg/Kg	☼	110	78 - 145
Benzene	ND	H	1.14	1.24		mg/Kg	☼	109	76 - 139
1,2-Dichloroethane	ND	H	1.14	1.19		mg/Kg	☼	104	73 - 150
Trichloroethene	ND	H	1.14	1.17		mg/Kg	☼	102	79 - 144
1,2-Dichloropropane	ND	H	1.14	1.23		mg/Kg	☼	108	75 - 135
Dibromomethane	ND	H	1.14	1.11		mg/Kg	☼	97	80 - 140
Bromodichloromethane	ND	H	1.14	1.02		mg/Kg	☼	89	80 - 146
cis-1,3-Dichloropropene	ND	H	1.14	1.03		mg/Kg	☼	90	80 - 136
Toluene	ND	H	1.14	1.22		mg/Kg	☼	107	77 - 131
trans-1,3-Dichloropropene	ND	H	1.14	1.12		mg/Kg	☼	98	80 - 124
1,1,2-Trichloroethane	ND	H	1.14	1.20		mg/Kg	☼	105	80 - 132
Tetrachloroethene	ND	H	1.14	1.29		mg/Kg	☼	113	77 - 149
1,3-Dichloropropane	ND	H	1.14	1.18		mg/Kg	☼	104	76 - 125
Dibromochloromethane	ND	H	1.14	1.05		mg/Kg	☼	92	78 - 136
1,2-Dibromoethane (EDB)	ND	H	1.14	1.16		mg/Kg	☼	101	75 - 129
Chlorobenzene	ND	H	1.14	1.16		mg/Kg	☼	102	80 - 136
Ethylbenzene	ND	H	1.14	1.18		mg/Kg	☼	103	77 - 135
1,1,1,2-Tetrachloroethane	ND	H	1.14	1.12		mg/Kg	☼	98	80 - 128
1,1,2,2-Tetrachloroethane	ND	H	1.14	1.13		mg/Kg	☼	99	75 - 137
m,p-Xylene	ND	H	1.14	1.18		mg/Kg	☼	104	78 - 130
o-Xylene	ND	H	1.14	1.16		mg/Kg	☼	102	77 - 129
Styrene	ND	H	1.14	1.15		mg/Kg	☼	101	80 - 128
Bromoform	ND	H	1.14	0.964		mg/Kg	☼	85	72 - 133
Isopropylbenzene	ND	H	1.14	1.21		mg/Kg	☼	107	78 - 139
Bromobenzene	ND	H	1.14	1.15		mg/Kg	☼	101	75 - 142
N-Propylbenzene	ND	H	1.14	1.22		mg/Kg	☼	107	77 - 140
1,2,3-Trichloropropane	ND	H	1.14	1.31		mg/Kg	☼	115	67 - 144
2-Chlorotoluene	ND	H	1.14	1.19		mg/Kg	☼	104	77 - 135
1,3,5-Trimethylbenzene	ND	H	1.14	1.21		mg/Kg	☼	106	76 - 133
4-Chlorotoluene	ND	H	1.14	1.17		mg/Kg	☼	103	77 - 133
tert-Butylbenzene	ND	H	1.14	1.18		mg/Kg	☼	104	76 - 130
1,2,4-Trimethylbenzene	ND	H	1.14	1.20		mg/Kg	☼	105	76 - 139

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

Lab Sample ID: 590-18915-2 MS
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: SB-7 (6-7)
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	ND	H	1.14	1.19		mg/Kg	☼	104	76 - 139
1,3-Dichlorobenzene	ND	H	1.14	1.13		mg/Kg	☼	99	80 - 133
p-Isopropyltoluene	ND	H	1.14	1.18		mg/Kg	☼	104	80 - 140
1,4-Dichlorobenzene	ND	H	1.14	1.13		mg/Kg	☼	100	80 - 133
n-Butylbenzene	ND	H	1.14	1.15		mg/Kg	☼	101	80 - 131
1,2-Dichlorobenzene	ND	H	1.14	1.14		mg/Kg	☼	100	80 - 135
1,2-Dibromo-3-Chloropropane	ND	H	1.14	0.976	J	mg/Kg	☼	86	65 - 139
1,2,4-Trichlorobenzene	ND	H	1.14	1.15		mg/Kg	☼	101	67 - 140
1,2,3-Trichlorobenzene	ND	H	1.14	1.13		mg/Kg	☼	100	66 - 143
Hexachlorobutadiene	ND	H	1.14	1.18		mg/Kg	☼	104	59 - 150
Naphthalene	ND	H	1.14	1.12		mg/Kg	☼	98	67 - 129
Methyl tert-butyl ether	ND	H	1.14	1.16		mg/Kg	☼	102	80 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*76 - 122*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 129*

Lab Sample ID: 590-18915-2 MSD
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: SB-7 (6-7)
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	H F1	1.14	1.44	F1	mg/Kg	☼	126	34 - 120	6	13
Chloromethane	ND	H F1 *+	1.14	1.40	F1	mg/Kg	☼	123	42 - 120	5	12
Vinyl chloride	ND	H	1.14	1.31		mg/Kg	☼	115	66 - 129	2	20
Bromomethane	ND	H	1.14	1.32		mg/Kg	☼	116	56 - 138	3	14
Chloroethane	ND	H	1.14	1.22		mg/Kg	☼	107	50 - 150	6	17
Trichlorofluoromethane	ND	H	1.14	1.29		mg/Kg	☼	113	64 - 143	2	10
1,1-Dichloroethene	ND	H	1.14	1.19		mg/Kg	☼	104	63 - 150	0	40
Methylene Chloride	0.83	H B *+	1.14	1.78		mg/Kg	☼	83	47 - 150	1	40
trans-1,2-Dichloroethene	ND	H	1.14	1.31		mg/Kg	☼	115	80 - 138	4	16
1,1-Dichloroethane	ND	H	1.14	1.27		mg/Kg	☼	111	80 - 136	2	16
2,2-Dichloropropane	ND	H	1.14	0.847		mg/Kg	☼	74	73 - 150	7	13
cis-1,2-Dichloroethene	ND	H	1.14	1.24		mg/Kg	☼	109	80 - 144	1	15
Bromochloromethane	ND	H	1.14	1.24		mg/Kg	☼	109	75 - 148	0	32
Chloroform	ND	H	1.14	1.24		mg/Kg	☼	109	80 - 150	0	15
1,1,1-Trichloroethane	ND	H	1.14	1.04		mg/Kg	☼	92	80 - 150	2	10
Carbon tetrachloride	ND	H	1.14	1.09		mg/Kg	☼	95	72 - 150	1	17
1,1-Dichloropropene	ND	H	1.14	1.25		mg/Kg	☼	110	78 - 145	0	14
Benzene	ND	H	1.14	1.21		mg/Kg	☼	106	76 - 139	3	14
1,2-Dichloroethane	ND	H	1.14	1.15		mg/Kg	☼	101	73 - 150	3	25
Trichloroethene	ND	H	1.14	1.14		mg/Kg	☼	100	79 - 144	2	13
1,2-Dichloropropane	ND	H	1.14	1.22		mg/Kg	☼	107	75 - 135	0	20
Dibromomethane	ND	H	1.14	1.05		mg/Kg	☼	92	80 - 140	6	24
Bromodichloromethane	ND	H	1.14	1.04		mg/Kg	☼	91	80 - 146	2	19
cis-1,3-Dichloropropene	ND	H	1.14	1.00		mg/Kg	☼	88	80 - 136	3	17

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

Lab Sample ID: 590-18915-2 MSD
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: SB-7 (6-7)
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	ND	H	1.14	1.16		mg/Kg	☼	102	77 - 131	5	14
trans-1,3-Dichloropropene	ND	H	1.14	1.04		mg/Kg	☼	92	80 - 124	7	14
1,1,2-Trichloroethane	ND	H	1.14	1.16		mg/Kg	☼	101	80 - 132	4	12
Tetrachloroethene	ND	H	1.14	1.24		mg/Kg	☼	109	77 - 149	3	10
1,3-Dichloropropane	ND	H	1.14	1.12		mg/Kg	☼	98	76 - 125	6	24
Dibromochloromethane	ND	H	1.14	1.04		mg/Kg	☼	91	78 - 136	1	18
1,2-Dibromoethane (EDB)	ND	H	1.14	1.07		mg/Kg	☼	94	75 - 129	8	18
Chlorobenzene	ND	H	1.14	1.13		mg/Kg	☼	99	80 - 136	3	10
Ethylbenzene	ND	H	1.14	1.14		mg/Kg	☼	100	77 - 135	3	13
1,1,1,2-Tetrachloroethane	ND	H	1.14	1.12		mg/Kg	☼	98	80 - 128	0	25
1,1,2,2-Tetrachloroethane	ND	H	1.14	1.10		mg/Kg	☼	96	75 - 137	3	15
m,p-Xylene	ND	H	1.14	1.12		mg/Kg	☼	99	78 - 130	5	23
o-Xylene	ND	H	1.14	1.10		mg/Kg	☼	96	77 - 129	6	15
Styrene	ND	H	1.14	1.07		mg/Kg	☼	94	80 - 128	7	25
Bromoform	ND	H	1.14	0.906		mg/Kg	☼	80	72 - 133	6	10
Isopropylbenzene	ND	H	1.14	1.17		mg/Kg	☼	103	78 - 139	4	10
Bromobenzene	ND	H	1.14	1.10		mg/Kg	☼	97	75 - 142	5	25
N-Propylbenzene	ND	H	1.14	1.14		mg/Kg	☼	100	77 - 140	6	25
1,2,3-Trichloropropane	ND	H	1.14	1.25		mg/Kg	☼	110	67 - 144	5	40
2-Chlorotoluene	ND	H	1.14	1.11		mg/Kg	☼	97	77 - 135	7	35
1,3,5-Trimethylbenzene	ND	H	1.14	1.17		mg/Kg	☼	103	76 - 133	3	20
4-Chlorotoluene	ND	H	1.14	1.11		mg/Kg	☼	98	77 - 133	5	17
tert-Butylbenzene	ND	H	1.14	1.13		mg/Kg	☼	100	76 - 130	4	16
1,2,4-Trimethylbenzene	ND	H	1.14	1.15		mg/Kg	☼	101	76 - 139	4	21
sec-Butylbenzene	ND	H	1.14	1.18		mg/Kg	☼	103	76 - 139	1	18
1,3-Dichlorobenzene	ND	H	1.14	1.10		mg/Kg	☼	97	80 - 133	3	18
p-Isopropyltoluene	ND	H	1.14	1.15		mg/Kg	☼	101	80 - 140	3	19
1,4-Dichlorobenzene	ND	H	1.14	1.11		mg/Kg	☼	98	80 - 133	2	16
n-Butylbenzene	ND	H	1.14	1.10		mg/Kg	☼	97	80 - 131	4	20
1,2-Dichlorobenzene	ND	H	1.14	1.09		mg/Kg	☼	96	80 - 135	5	17
1,2-Dibromo-3-Chloropropane	ND	H	1.14	1.00	J	mg/Kg	☼	88	65 - 139	3	27
1,2,4-Trichlorobenzene	ND	H	1.14	1.04		mg/Kg	☼	91	67 - 140	10	25
1,2,3-Trichlorobenzene	ND	H	1.14	1.04		mg/Kg	☼	91	66 - 143	9	16
Hexachlorobutadiene	ND	H	1.14	1.06		mg/Kg	☼	93	59 - 150	11	19
Naphthalene	ND	H	1.14	1.05		mg/Kg	☼	92	67 - 129	7	15
Methyl tert-butyl ether	ND	H	1.14	1.16		mg/Kg	☼	102	80 - 144	0	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*76 - 122*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 129*

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

Lab Sample ID: 590-18915-1 DU
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: SB-6 (6-7)
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	ND	H	ND		mg/Kg	☼	NC	24
Chloromethane	ND	H *+	ND	*+	mg/Kg	☼	NC	22
Vinyl chloride	ND	H	ND		mg/Kg	☼	NC	20
Bromomethane	ND	H	ND		mg/Kg	☼	NC	21
Chloroethane	ND	H	ND		mg/Kg	☼	NC	25
Trichlorofluoromethane	ND	H	ND		mg/Kg	☼	NC	25
1,1-Dichloroethene	ND	H	ND		mg/Kg	☼	NC	18
Methylene Chloride	0.82	J H B *+	0.920	*+	mg/Kg	☼	11	40
trans-1,2-Dichloroethene	ND	H	ND		mg/Kg	☼	NC	25
1,1-Dichloroethane	ND	H	ND		mg/Kg	☼	NC	25
2,2-Dichloropropane	ND	H	ND		mg/Kg	☼	NC	22
cis-1,2-Dichloroethene	ND	H	ND		mg/Kg	☼	NC	23
Bromochloromethane	ND	H	ND		mg/Kg	☼	NC	25
Chloroform	ND	H	ND		mg/Kg	☼	NC	25
1,1,1-Trichloroethane	ND	H	ND		mg/Kg	☼	NC	19
Carbon tetrachloride	ND	H	ND		mg/Kg	☼	NC	25
1,1-Dichloropropene	ND	H	ND		mg/Kg	☼	NC	24
Benzene	ND	H	ND		mg/Kg	☼	NC	25
1,2-Dichloroethane	ND	H	ND		mg/Kg	☼	NC	25
Trichloroethene	ND	H	ND		mg/Kg	☼	NC	25
1,2-Dichloropropane	ND	H	ND		mg/Kg	☼	NC	20
Dibromomethane	ND	H	ND		mg/Kg	☼	NC	24
Bromodichloromethane	ND	H	ND		mg/Kg	☼	NC	26
cis-1,3-Dichloropropene	ND	H	ND		mg/Kg	☼	NC	24
Toluene	ND	H	ND		mg/Kg	☼	NC	25
trans-1,3-Dichloropropene	ND	H	ND		mg/Kg	☼	NC	28
1,1,2-Trichloroethane	ND	H	ND		mg/Kg	☼	NC	31
Tetrachloroethene	ND	H	ND		mg/Kg	☼	NC	24
1,3-Dichloropropane	ND	H	ND		mg/Kg	☼	NC	16
Dibromochloromethane	ND	H	ND		mg/Kg	☼	NC	25
1,2-Dibromoethane (EDB)	ND	H	ND		mg/Kg	☼	NC	18
Chlorobenzene	ND	H	ND		mg/Kg	☼	NC	25
Ethylbenzene	ND	H	ND		mg/Kg	☼	NC	25
1,1,1,2-Tetrachloroethane	ND	H	ND		mg/Kg	☼	NC	25
1,1,2,2-Tetrachloroethane	ND	H	ND		mg/Kg	☼	NC	22
m,p-Xylene	ND	H	ND		mg/Kg	☼	NC	23
o-Xylene	ND	H	ND		mg/Kg	☼	NC	25
Styrene	ND	H	ND		mg/Kg	☼	NC	25
Bromoform	ND	H	ND		mg/Kg	☼	NC	34
Isopropylbenzene	ND	H	ND		mg/Kg	☼	NC	24
Bromobenzene	ND	H	ND		mg/Kg	☼	NC	25
N-Propylbenzene	ND	H	ND		mg/Kg	☼	NC	25
1,2,3-Trichloropropane	ND	H	ND		mg/Kg	☼	NC	27
2-Chlorotoluene	ND	H	ND		mg/Kg	☼	NC	20
1,3,5-Trimethylbenzene	ND	H	ND		mg/Kg	☼	NC	20
4-Chlorotoluene	ND	H	ND		mg/Kg	☼	NC	25
tert-Butylbenzene	ND	H	ND		mg/Kg	☼	NC	16
1,2,4-Trimethylbenzene	ND	H	ND		mg/Kg	☼	NC	21

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

Lab Sample ID: 590-18915-1 DU
Matrix: Solid
Analysis Batch: 38731

Client Sample ID: SB-6 (6-7)
Prep Type: Total/NA
Prep Batch: 38494

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
sec-Butylbenzene	ND	H		ND		mg/Kg	☼			NC	34
1,3-Dichlorobenzene	ND	H		ND		mg/Kg	☼			NC	18
p-Isopropyltoluene	ND	H		ND		mg/Kg	☼			NC	26
1,4-Dichlorobenzene	ND	H		ND		mg/Kg	☼			NC	16
n-Butylbenzene	ND	H		ND		mg/Kg	☼			NC	20
1,2-Dichlorobenzene	ND	H		ND		mg/Kg	☼			NC	25
1,2-Dibromo-3-Chloropropane	ND	H		ND		mg/Kg	☼			NC	40
1,2,4-Trichlorobenzene	ND	H		ND		mg/Kg	☼			NC	25
1,2,3-Trichlorobenzene	ND	H		ND		mg/Kg	☼			NC	25
Hexachlorobutadiene	ND	H		ND		mg/Kg	☼			NC	25
Naphthalene	ND	H		ND		mg/Kg	☼			NC	36
Methyl tert-butyl ether	ND	H		ND		mg/Kg	☼			NC	25

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*76 - 122*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 129*

Lab Sample ID: MB 590-38562/7
Matrix: Water
Analysis Batch: 38562

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/13/22 11:46	1
Chloromethane	ND		3.0	0.50	ug/L			10/13/22 11:46	1
Vinyl chloride	ND		0.40	0.13	ug/L			10/13/22 11:46	1
Bromomethane	ND		5.0	0.76	ug/L			10/13/22 11:46	1
Chloroethane	ND		2.0	0.40	ug/L			10/13/22 11:46	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			10/13/22 11:46	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 11:46	1
Methylene Chloride	ND		5.0	2.2	ug/L			10/13/22 11:46	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/13/22 11:46	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			10/13/22 11:46	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			10/13/22 11:46	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			10/13/22 11:46	1
Bromochloromethane	ND		2.0	0.44	ug/L			10/13/22 11:46	1
Chloroform	ND		1.0	0.24	ug/L			10/13/22 11:46	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			10/13/22 11:46	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			10/13/22 11:46	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			10/13/22 11:46	1
Benzene	ND		0.40	0.093	ug/L			10/13/22 11:46	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			10/13/22 11:46	1
Trichloroethene	ND		1.0	0.20	ug/L			10/13/22 11:46	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			10/13/22 11:46	1
Dibromomethane	ND		2.0	0.50	ug/L			10/13/22 11:46	1
Bromodichloromethane	ND		1.0	0.29	ug/L			10/13/22 11:46	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			10/13/22 11:46	1

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

Lab Sample ID: MB 590-38562/7
Matrix: Water
Analysis Batch: 38562

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.31	ug/L			10/13/22 11:46	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			10/13/22 11:46	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			10/13/22 11:46	1
Tetrachloroethene	ND		1.0	0.22	ug/L			10/13/22 11:46	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			10/13/22 11:46	1
Dibromochloromethane	ND		2.0	0.33	ug/L			10/13/22 11:46	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/13/22 11:46	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/13/22 11:46	1
Ethylbenzene	ND		1.0	0.20	ug/L			10/13/22 11:46	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			10/13/22 11:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			10/13/22 11:46	1
m,p-Xylene	ND		2.0	0.28	ug/L			10/13/22 11:46	1
o-Xylene	ND		1.0	0.16	ug/L			10/13/22 11:46	1
Styrene	ND		1.0	0.24	ug/L			10/13/22 11:46	1
Bromoform	ND		5.0	0.66	ug/L			10/13/22 11:46	1
Isopropylbenzene	ND		1.0	0.24	ug/L			10/13/22 11:46	1
Bromobenzene	ND		1.0	0.28	ug/L			10/13/22 11:46	1
N-Propylbenzene	ND		1.0	0.25	ug/L			10/13/22 11:46	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			10/13/22 11:46	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			10/13/22 11:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			10/13/22 11:46	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			10/13/22 11:46	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			10/13/22 11:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			10/13/22 11:46	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			10/13/22 11:46	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/13/22 11:46	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			10/13/22 11:46	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			10/13/22 11:46	1
n-Butylbenzene	ND		1.0	0.20	ug/L			10/13/22 11:46	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			10/13/22 11:46	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			10/13/22 11:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			10/13/22 11:46	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			10/13/22 11:46	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			10/13/22 11:46	1
Naphthalene	ND		2.0	0.63	ug/L			10/13/22 11:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/22 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*80 - 120*		*10/13/22 11:46*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*10/13/22 11:46*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/13/22 11:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*10/13/22 11:46*	*1*

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

Lab Sample ID: LCS 590-38562/5
Matrix: Water
Analysis Batch: 38562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	7.71		ug/L		77	31 - 150
Chloromethane	10.0	9.48		ug/L		95	40 - 150
Vinyl chloride	10.0	8.53		ug/L		85	47 - 150
Bromomethane	10.0	7.48		ug/L		75	54 - 143
Chloroethane	10.0	7.38		ug/L		74	56 - 145
Trichlorofluoromethane	10.0	8.32		ug/L		83	60 - 150
1,1-Dichloroethene	10.0	9.61		ug/L		96	75 - 140
Methylene Chloride	10.0	9.13		ug/L		91	57 - 150
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	75 - 132
1,1-Dichloroethane	10.0	10.7		ug/L		107	79 - 121
2,2-Dichloropropane	10.0	8.48		ug/L		85	69 - 143
cis-1,2-Dichloroethene	10.0	11.0		ug/L		110	80 - 121
Bromochloromethane	10.0	11.1		ug/L		111	70 - 140
Chloroform	10.0	10.6		ug/L		106	80 - 126
1,1,1-Trichloroethane	10.0	8.93		ug/L		89	80 - 130
Carbon tetrachloride	10.0	9.47		ug/L		95	75 - 126
1,1-Dichloropropene	10.0	10.1		ug/L		101	76 - 125
Benzene	10.0	10.2		ug/L		102	80 - 126
1,2-Dichloroethane	10.0	10.3		ug/L		103	76 - 127
Trichloroethene	10.0	9.90		ug/L		99	75 - 129
1,2-Dichloropropane	10.0	9.73		ug/L		97	80 - 121
Dibromomethane	10.0	10.3		ug/L		103	70 - 126
Bromodichloromethane	10.0	9.52		ug/L		95	73 - 135
cis-1,3-Dichloropropene	10.0	9.36		ug/L		94	72 - 129
Toluene	10.0	8.48		ug/L		85	80 - 129
trans-1,3-Dichloropropene	10.0	10.4		ug/L		104	74 - 120
1,1,2-Trichloroethane	10.0	11.2		ug/L		112	80 - 126
Tetrachloroethene	10.0	10.4		ug/L		104	77 - 124
1,3-Dichloropropane	10.0	10.5		ug/L		105	73 - 126
Dibromochloromethane	10.0	11.1		ug/L		111	72 - 122
1,2-Dibromoethane (EDB)	10.0	11.1		ug/L		111	74 - 120
Chlorobenzene	10.0	9.87		ug/L		99	79 - 125
Ethylbenzene	10.0	9.77		ug/L		98	80 - 128
1,1,1,2-Tetrachloroethane	10.0	9.68		ug/L		97	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.3		ug/L		103	75 - 121
m,p-Xylene	10.0	9.40		ug/L		94	80 - 127
o-Xylene	10.0	8.66		ug/L		87	80 - 126
Styrene	10.0	10.2		ug/L		102	75 - 136
Bromoform	10.0	10.1		ug/L		101	46 - 134
Isopropylbenzene	10.0	8.71		ug/L		87	77 - 123
Bromobenzene	10.0	10.1		ug/L		101	77 - 128
N-Propylbenzene	10.0	9.44		ug/L		94	67 - 138
1,2,3-Trichloropropane	10.0	10.8		ug/L		108	72 - 128
2-Chlorotoluene	10.0	9.14		ug/L		91	76 - 131
1,3,5-Trimethylbenzene	10.0	9.17		ug/L		92	69 - 134
4-Chlorotoluene	10.0	8.62		ug/L		86	70 - 132
tert-Butylbenzene	10.0	9.51		ug/L		95	68 - 122
1,2,4-Trimethylbenzene	10.0	9.71		ug/L		97	78 - 123

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

Lab Sample ID: LCS 590-38562/5
Matrix: Water
Analysis Batch: 38562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
sec-Butylbenzene			10.0	9.62		ug/L		96	67 - 131		
1,3-Dichlorobenzene			10.0	9.78		ug/L		98	74 - 128		
p-Isopropyltoluene			10.0	8.89		ug/L		89	72 - 127		
1,4-Dichlorobenzene			10.0	9.60		ug/L		96	74 - 121		
n-Butylbenzene			10.0	9.35		ug/L		94	71 - 127		
1,2-Dichlorobenzene			10.0	9.54		ug/L		95	73 - 127		
1,2-Dibromo-3-Chloropropane			10.0	11.1		ug/L		111	47 - 136		
1,2,4-Trichlorobenzene			10.0	12.0		ug/L		120	75 - 136		
1,2,3-Trichlorobenzene			10.0	9.21		ug/L		92	74 - 135		
Hexachlorobutadiene			10.0	13.1		ug/L		131	65 - 150		
Naphthalene			10.0	9.99		ug/L		100	60 - 130		
Methyl tert-butyl ether			10.0	10.7		ug/L		107	77 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*85*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 590-38562/1004
Matrix: Water
Analysis Batch: 38562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane			10.0	8.51		ug/L		85	31 - 150	10	25
Chloromethane			10.0	8.22		ug/L		82	40 - 150	14	28
Vinyl chloride			10.0	8.36		ug/L		84	47 - 150	2	18
Bromomethane			10.0	8.59		ug/L		86	54 - 143	14	25
Chloroethane			10.0	8.04		ug/L		80	56 - 145	9	25
Trichlorofluoromethane			10.0	10.3	*1	ug/L		103	60 - 150	22	19
1,1-Dichloroethene			10.0	10.4		ug/L		104	75 - 140	8	24
Methylene Chloride			10.0	9.68		ug/L		97	57 - 150	6	24
trans-1,2-Dichloroethene			10.0	11.3		ug/L		113	75 - 132	8	17
1,1-Dichloroethane			10.0	11.0		ug/L		110	79 - 121	3	16
2,2-Dichloropropane			10.0	9.20		ug/L		92	69 - 143	8	25
cis-1,2-Dichloroethene			10.0	11.0		ug/L		110	80 - 121	0	18
Bromochloromethane			10.0	12.7		ug/L		127	70 - 140	14	18
Chloroform			10.0	10.9		ug/L		109	80 - 126	3	18
1,1,1-Trichloroethane			10.0	9.26		ug/L		93	80 - 130	4	18
Carbon tetrachloride			10.0	8.77		ug/L		88	75 - 126	8	17
1,1-Dichloropropene			10.0	10.5		ug/L		105	76 - 125	4	15
Benzene			10.0	10.1		ug/L		101	80 - 126	1	18
1,2-Dichloroethane			10.0	10.4		ug/L		104	76 - 127	1	16
Trichloroethene			10.0	9.53		ug/L		95	75 - 129	4	17
1,2-Dichloropropane			10.0	9.68		ug/L		97	80 - 121	1	18
Dibromomethane			10.0	9.97		ug/L		100	70 - 126	3	21
Bromodichloromethane			10.0	11.5		ug/L		115	73 - 135	19	19
cis-1,3-Dichloropropene			10.0	11.4		ug/L		114	72 - 129	19	20

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

Lab Sample ID: LCSD 590-38562/1004
Matrix: Water
Analysis Batch: 38562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			10.0	11.9	*1	ug/L		119	80 - 129	34	18
trans-1,3-Dichloropropene			10.0	11.9		ug/L		119	74 - 120	13	17
1,1,2-Trichloroethane			10.0	12.1		ug/L		121	80 - 126	8	16
Tetrachloroethene			10.0	13.2	*+ *1	ug/L		132	77 - 124	24	22
1,3-Dichloropropane			10.0	11.6		ug/L		116	73 - 126	9	23
Dibromochloromethane			10.0	12.1		ug/L		121	72 - 122	8	19
1,2-Dibromoethane (EDB)			10.0	12.3	*+	ug/L		123	74 - 120	10	17
Chlorobenzene			10.0	10.3		ug/L		103	79 - 125	4	17
Ethylbenzene			10.0	9.82		ug/L		98	80 - 128	0	18
1,1,1,2-Tetrachloroethane			10.0	11.1		ug/L		111	75 - 125	14	15
1,1,2,2-Tetrachloroethane			10.0	12.0		ug/L		120	75 - 121	15	21
m,p-Xylene			10.0	10.1		ug/L		101	80 - 127	7	18
o-Xylene			10.0	9.38		ug/L		94	80 - 126	8	17
Styrene			10.0	9.26		ug/L		93	75 - 136	10	17
Bromoform			10.0	10.0		ug/L		100	46 - 134	1	20
Isopropylbenzene			10.0	9.45		ug/L		94	77 - 123	8	17
Bromobenzene			10.0	9.67		ug/L		97	77 - 128	5	18
N-Propylbenzene			10.0	9.15		ug/L		91	67 - 138	3	18
1,2,3-Trichloropropane			10.0	10.7		ug/L		107	72 - 128	1	25
2-Chlorotoluene			10.0	9.45		ug/L		95	76 - 131	3	25
1,3,5-Trimethylbenzene			10.0	8.96		ug/L		90	69 - 134	2	17
4-Chlorotoluene			10.0	9.16		ug/L		92	70 - 132	6	18
tert-Butylbenzene			10.0	8.59		ug/L		86	68 - 122	10	19
1,2,4-Trimethylbenzene			10.0	8.77		ug/L		88	78 - 123	10	17
sec-Butylbenzene			10.0	9.06		ug/L		91	67 - 131	6	19
1,3-Dichlorobenzene			10.0	9.88		ug/L		99	74 - 128	1	17
p-Isopropyltoluene			10.0	9.07		ug/L		91	72 - 127	2	18
1,4-Dichlorobenzene			10.0	10.5		ug/L		105	74 - 121	9	18
n-Butylbenzene			10.0	9.45		ug/L		95	71 - 127	1	19
1,2-Dichlorobenzene			10.0	10.0		ug/L		100	73 - 127	5	16
1,2-Dibromo-3-Chloropropane			10.0	11.9		ug/L		119	47 - 136	8	34
1,2,4-Trichlorobenzene			10.0	12.9		ug/L		129	75 - 136	8	26
1,2,3-Trichlorobenzene			10.0	12.8	*1	ug/L		128	74 - 135	33	27
Hexachlorobutadiene			10.0	13.9		ug/L		139	65 - 150	6	22
Naphthalene			10.0	12.2		ug/L		122	60 - 130	20	32
Methyl tert-butyl ether			10.0	11.3		ug/L		113	77 - 128	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*114*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: 590-18915-10 DU
Matrix: Water
Analysis Batch: 38562

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	ND		ND		ug/L		NC	25
Chloromethane	ND		ND		ug/L		NC	21
Vinyl chloride	ND		ND		ug/L		NC	25
Bromomethane	ND		ND		ug/L		NC	25
Chloroethane	ND		ND		ug/L		NC	25
Trichlorofluoromethane	ND	*1	ND	*1	ug/L		NC	19
1,1-Dichloroethene	ND		ND		ug/L		NC	24
Methylene Chloride	ND		ND		ug/L		NC	32
trans-1,2-Dichloroethene	ND		ND		ug/L		NC	17
1,1-Dichloroethane	ND		ND		ug/L		NC	16
2,2-Dichloropropane	ND		ND		ug/L		NC	25
cis-1,2-Dichloroethene	ND		ND		ug/L		NC	18
Bromochloromethane	ND		ND		ug/L		NC	25
Chloroform	ND		ND		ug/L		NC	18
1,1,1-Trichloroethane	ND		ND		ug/L		NC	18
Carbon tetrachloride	ND		ND		ug/L		NC	17
1,1-Dichloropropene	ND		ND		ug/L		NC	24
Benzene	ND		ND		ug/L		NC	18
1,2-Dichloroethane	ND		ND		ug/L		NC	16
Trichloroethene	ND		ND		ug/L		NC	17
1,2-Dichloropropane	ND		ND		ug/L		NC	18
Dibromomethane	ND		ND		ug/L		NC	21
Bromodichloromethane	ND		ND		ug/L		NC	19
cis-1,3-Dichloropropene	ND		ND		ug/L		NC	20
Toluene	ND	*1	ND	*1	ug/L		NC	18
trans-1,3-Dichloropropene	ND		ND		ug/L		NC	35
1,1,2-Trichloroethane	ND		ND		ug/L		NC	16
Tetrachloroethene	ND	*+ *1	ND	*+ *1	ug/L		NC	22
1,3-Dichloropropane	ND		ND		ug/L		NC	23
Dibromochloromethane	ND		ND		ug/L		NC	19
1,2-Dibromoethane (EDB)	ND	*+	ND	*+	ug/L		NC	17
Chlorobenzene	ND		ND		ug/L		NC	17
Ethylbenzene	ND		ND		ug/L		NC	18
1,1,1,2-Tetrachloroethane	ND		ND		ug/L		NC	23
1,1,2,2-Tetrachloroethane	ND		ND		ug/L		NC	21
m,p-Xylene	ND		ND		ug/L		NC	18
o-Xylene	ND		ND		ug/L		NC	17
Styrene	ND		ND		ug/L		NC	17
Bromoform	ND		ND		ug/L		NC	20
Isopropylbenzene	ND		ND		ug/L		NC	17
Bromobenzene	ND		ND		ug/L		NC	18
N-Propylbenzene	ND		ND		ug/L		NC	18
1,2,3-Trichloropropane	ND		ND		ug/L		NC	32
2-Chlorotoluene	ND		ND		ug/L		NC	25
1,3,5-Trimethylbenzene	ND		ND		ug/L		NC	17
4-Chlorotoluene	ND		ND		ug/L		NC	18
tert-Butylbenzene	ND		ND		ug/L		NC	19
1,2,4-Trimethylbenzene	ND		ND		ug/L		NC	17

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

Lab Sample ID: 590-18915-10 DU
Matrix: Water
Analysis Batch: 38562

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
sec-Butylbenzene	ND			ND		ug/L				NC	19
1,3-Dichlorobenzene	ND			ND		ug/L				NC	17
p-Isopropyltoluene	ND			ND		ug/L				NC	18
1,4-Dichlorobenzene	ND			ND		ug/L				NC	18
n-Butylbenzene	ND			ND		ug/L				NC	19
1,2-Dichlorobenzene	ND			ND		ug/L				NC	16
1,2-Dibromo-3-Chloropropane	ND			ND		ug/L				NC	34
1,2,4-Trichlorobenzene	ND			ND		ug/L				NC	26
1,2,3-Trichlorobenzene	ND	*1		ND	*1	ug/L				NC	35
Hexachlorobutadiene	ND			ND		ug/L				NC	22
Naphthalene	ND			ND		ug/L				NC	32
Methyl tert-butyl ether	ND			ND		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*87*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 590-38663/1-A
Matrix: Solid
Analysis Batch: 38740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.35	0.20	mg/Kg		10/18/22 17:15	10/24/22 19:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*80 - 120*	*10/18/22 17:15*	*10/24/22 19:04*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*	*10/18/22 17:15*	*10/24/22 19:04*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*	*10/18/22 17:15*	*10/24/22 19:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 129*	*10/18/22 17:15*	*10/24/22 19:04*	*1*

Lab Sample ID: LCS 590-38663/2-A
Matrix: Solid
Analysis Batch: 38740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38663

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			0.500	0.627		mg/Kg		125	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 129*

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

Lab Sample ID: MB 590-38494/1-A
Matrix: Solid
Analysis Batch: 38487

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2.04	J	5.0	1.8	mg/Kg		10/10/22 15:46	10/10/22 15:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*	*10/10/22 15:46*	*10/10/22 15:52*	*1*

Lab Sample ID: LCS 590-38494/3-B
Matrix: Solid
Analysis Batch: 38487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38494

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			50.2	61.6		mg/Kg		123	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*41.5 - 162*

Lab Sample ID: MB 590-38563/7
Matrix: Water
Analysis Batch: 38563

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	31	ug/L			10/13/22 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*68.7 - 141*		*10/13/22 11:46*	*1*

Lab Sample ID: LCS 590-38563/1006
Matrix: Water
Analysis Batch: 38563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1000	897		ug/L		89	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*

Lab Sample ID: LCSD 590-38563/1017
Matrix: Water
Analysis Batch: 38563

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			1000	1010		ug/L		101	80 - 120	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*

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

Lab Sample ID: 590-18915-10 DU
Matrix: Water
Analysis Batch: 38563

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	36	J		ND		ug/L				NC	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*68.7 - 141*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-38484/1-A
Matrix: Water
Analysis Batch: 38485

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090	0.053	ug/L		10/10/22 12:44	10/10/22 14:39	1
2-Methylnaphthalene	ND		0.090	0.044	ug/L		10/10/22 12:44	10/10/22 14:39	1
1-Methylnaphthalene	ND		0.090	0.023	ug/L		10/10/22 12:44	10/10/22 14:39	1
Acenaphthylene	ND		0.090	0.016	ug/L		10/10/22 12:44	10/10/22 14:39	1
Acenaphthene	ND		0.090	0.022	ug/L		10/10/22 12:44	10/10/22 14:39	1
Fluorene	ND		0.090	0.016	ug/L		10/10/22 12:44	10/10/22 14:39	1
Phenanthrene	ND		0.090	0.056	ug/L		10/10/22 12:44	10/10/22 14:39	1
Anthracene	ND		0.090	0.025	ug/L		10/10/22 12:44	10/10/22 14:39	1
Fluoranthene	ND		0.090	0.017	ug/L		10/10/22 12:44	10/10/22 14:39	1
Pyrene	ND		0.090	0.026	ug/L		10/10/22 12:44	10/10/22 14:39	1
Benzo[a]anthracene	ND		0.090	0.012	ug/L		10/10/22 12:44	10/10/22 14:39	1
Chrysene	ND		0.090	0.010	ug/L		10/10/22 12:44	10/10/22 14:39	1
Benzo[b]fluoranthene	ND		0.090	0.025	ug/L		10/10/22 12:44	10/10/22 14:39	1
Benzo[k]fluoranthene	ND		0.090	0.015	ug/L		10/10/22 12:44	10/10/22 14:39	1
Benzo[a]pyrene	ND		0.090	0.012	ug/L		10/10/22 12:44	10/10/22 14:39	1
Indeno[1,2,3-cd]pyrene	ND		0.090	0.022	ug/L		10/10/22 12:44	10/10/22 14:39	1
Dibenz(a,h)anthracene	ND		0.090	0.013	ug/L		10/10/22 12:44	10/10/22 14:39	1
Benzo[g,h,i]perylene	ND		0.090	0.021	ug/L		10/10/22 12:44	10/10/22 14:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*80*		*42 - 121*	*10/10/22 12:44*	*10/10/22 14:39*	*1*
2-Fluorobiphenyl (Surr)	*70*		*50 - 120*	*10/10/22 12:44*	*10/10/22 14:39*	*1*
p-Terphenyl-d14	*77*		*51 - 121*	*10/10/22 12:44*	*10/10/22 14:39*	*1*

Lab Sample ID: LCS 590-38484/2-A
Matrix: Water
Analysis Batch: 38485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38484

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			1.60	1.15		ug/L		72	52 - 120		
2-Methylnaphthalene			1.60	1.10		ug/L		69	44 - 120		
1-Methylnaphthalene			1.60	1.13		ug/L		71	49 - 120		
Acenaphthylene			1.60	1.20		ug/L		75	50 - 120		
Acenaphthene			1.60	1.19		ug/L		74	54 - 120		
Fluorene			1.60	1.21		ug/L		76	53 - 120		
Phenanthrene			1.60	1.41		ug/L		88	55 - 120		

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-38484/2-A
Matrix: Water
Analysis Batch: 38485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38484

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Anthracene			1.60	1.20		ug/L		75	59 - 120		
Fluoranthene			1.60	1.28		ug/L		80	61 - 120		
Pyrene			1.60	1.44		ug/L		90	61 - 126		
Benzo[a]anthracene			1.60	1.30		ug/L		81	60 - 120		
Chrysene			1.60	1.35		ug/L		84	58 - 126		
Benzo[b]fluoranthene			1.60	1.12		ug/L		70	51 - 125		
Benzo[k]fluoranthene			1.60	1.36		ug/L		85	58 - 120		
Benzo[a]pyrene			1.60	1.27		ug/L		79	54 - 120		
Indeno[1,2,3-cd]pyrene			1.60	1.35		ug/L		84	59 - 120		
Dibenz(a,h)anthracene			1.60	1.35		ug/L		84	62 - 120		
Benzo[g,h,i]perylene			1.60	1.37		ug/L		85	55 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*72*		*42 - 121*
2-Fluorobiphenyl (Surr)	*65*		*50 - 120*
p-Terphenyl-d14	*71*		*51 - 121*

Lab Sample ID: LCSD 590-38484/3-A
Matrix: Water
Analysis Batch: 38485

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38484

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			1.60	1.17		ug/L		73	52 - 120	1	21
2-Methylnaphthalene			1.60	1.08		ug/L		68	44 - 120	2	16
1-Methylnaphthalene			1.60	1.11		ug/L		69	49 - 120	2	15
Acenaphthylene			1.60	1.24		ug/L		78	50 - 120	4	15
Acenaphthene			1.60	1.19		ug/L		74	54 - 120	0	15
Fluorene			1.60	1.23		ug/L		77	53 - 120	2	15
Phenanthrene			1.60	1.44		ug/L		90	55 - 120	2	16
Anthracene			1.60	1.19		ug/L		75	59 - 120	1	15
Fluoranthene			1.60	1.29		ug/L		81	61 - 120	1	15
Pyrene			1.60	1.43		ug/L		89	61 - 126	1	15
Benzo[a]anthracene			1.60	1.32		ug/L		83	60 - 120	2	15
Chrysene			1.60	1.39		ug/L		87	58 - 126	3	15
Benzo[b]fluoranthene			1.60	1.12		ug/L		70	51 - 125	1	15
Benzo[k]fluoranthene			1.60	1.41		ug/L		88	58 - 120	4	15
Benzo[a]pyrene			1.60	1.28		ug/L		80	54 - 120	1	15
Indeno[1,2,3-cd]pyrene			1.60	1.32		ug/L		82	59 - 120	2	18
Dibenz(a,h)anthracene			1.60	1.34		ug/L		84	62 - 120	1	18
Benzo[g,h,i]perylene			1.60	1.36		ug/L		85	55 - 120	0	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*70*		*42 - 121*
2-Fluorobiphenyl (Surr)	*64*		*50 - 120*
p-Terphenyl-d14	*72*		*51 - 121*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 590-38541/1-A
Matrix: Solid
Analysis Batch: 38542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
2-Methylnaphthalene	ND		10	3.1	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
1-Methylnaphthalene	ND		10	2.2	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Acenaphthylene	ND		10	3.3	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Acenaphthene	ND		10	2.5	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Fluorene	ND		10	2.2	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Phenanthrene	ND		10	3.6	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Anthracene	ND		10	2.0	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Fluoranthene	ND		10	2.5	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Pyrene	ND		10	3.8	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Benzo[a]anthracene	ND		10	2.1	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Chrysene	ND		10	1.5	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Benzo[b]fluoranthene	ND		10	3.5	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Benzo[k]fluoranthene	ND		10	2.5	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Benzo[a]pyrene	ND		10	4.2	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Indeno[1,2,3-cd]pyrene	ND		10	3.0	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Dibenz(a,h)anthracene	ND		10	2.8	ug/Kg		10/12/22 11:20	10/12/22 14:18	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg		10/12/22 11:20	10/12/22 14:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*66*		*44 - 120*	*10/12/22 11:20*	*10/12/22 14:18*	*1*
2-Fluorobiphenyl (Surr)	*66*		*47 - 120*	*10/12/22 11:20*	*10/12/22 14:18*	*1*
p-Terphenyl-d14	*78*		*54 - 132*	*10/12/22 11:20*	*10/12/22 14:18*	*1*

Lab Sample ID: LCS 590-38541/2-A
Matrix: Solid
Analysis Batch: 38542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	267	166		ug/Kg		62	45 - 120
2-Methylnaphthalene	267	171		ug/Kg		64	48 - 120
1-Methylnaphthalene	267	172		ug/Kg		64	52 - 120
Acenaphthylene	267	185		ug/Kg		69	52 - 120
Acenaphthene	267	186		ug/Kg		70	53 - 120
Fluorene	267	191		ug/Kg		72	55 - 120
Phenanthrene	267	215		ug/Kg		81	57 - 121
Anthracene	267	184		ug/Kg		69	51 - 120
Fluoranthene	267	215		ug/Kg		81	63 - 127
Pyrene	267	222		ug/Kg		83	50 - 125
Benzo[a]anthracene	267	218		ug/Kg		82	61 - 131
Chrysene	267	189		ug/Kg		71	57 - 127
Benzo[b]fluoranthene	267	182		ug/Kg		68	61 - 127
Benzo[k]fluoranthene	267	205		ug/Kg		77	55 - 127
Benzo[a]pyrene	267	198		ug/Kg		74	60 - 126
Indeno[1,2,3-cd]pyrene	267	195		ug/Kg		73	54 - 128
Dibenz(a,h)anthracene	267	196		ug/Kg		74	60 - 121
Benzo[g,h,i]perylene	267	212		ug/Kg		80	58 - 129

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-38541/2-A
Matrix: Solid
Analysis Batch: 38542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38541

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	*61*		*44 - 120*
2-Fluorobiphenyl (Surr)	*64*		*47 - 120*
p-Terphenyl-d14	*76*		*54 - 132*

Lab Sample ID: 590-18915-1 MS
Matrix: Solid
Analysis Batch: 38542

Client Sample ID: SB-6 (6-7)
Prep Type: Total/NA
Prep Batch: 38541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	ND		282	200		ug/Kg	☼	71	45 - 120
2-Methylnaphthalene	ND		282	202		ug/Kg	☼	72	48 - 120
1-Methylnaphthalene	ND		282	203		ug/Kg	☼	72	52 - 120
Acenaphthylene	ND		282	219		ug/Kg	☼	78	52 - 120
Acenaphthene	ND		282	218		ug/Kg	☼	78	53 - 120
Fluorene	ND		282	225		ug/Kg	☼	80	55 - 120
Phenanthrene	4.6	J	282	256		ug/Kg	☼	89	57 - 121
Anthracene	ND		282	209		ug/Kg	☼	74	51 - 120
Fluoranthene	ND		282	256		ug/Kg	☼	91	63 - 127
Pyrene	ND	F2	282	260		ug/Kg	☼	92	50 - 125
Benzo[a]anthracene	ND		282	257		ug/Kg	☼	91	61 - 131
Chrysene	ND		282	229		ug/Kg	☼	81	57 - 127
Benzo[b]fluoranthene	ND		282	206		ug/Kg	☼	73	61 - 127
Benzo[k]fluoranthene	ND		282	236		ug/Kg	☼	84	55 - 127
Benzo[a]pyrene	ND		282	232		ug/Kg	☼	83	60 - 126
Indeno[1,2,3-cd]pyrene	ND		282	235		ug/Kg	☼	84	54 - 128
Dibenz(a,h)anthracene	ND		282	237		ug/Kg	☼	84	60 - 121
Benzo[g,h,i]perylene	ND		282	240		ug/Kg	☼	85	58 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	*69*		*44 - 120*
2-Fluorobiphenyl (Surr)	*70*		*47 - 120*
p-Terphenyl-d14	*82*		*54 - 132*

Lab Sample ID: 590-18915-1 MSD
Matrix: Solid
Analysis Batch: 38542

Client Sample ID: SB-6 (6-7)
Prep Type: Total/NA
Prep Batch: 38541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	ND		283	173		ug/Kg	☼	61	45 - 120	14	20
2-Methylnaphthalene	ND		283	180		ug/Kg	☼	64	48 - 120	12	20
1-Methylnaphthalene	ND		283	182		ug/Kg	☼	64	52 - 120	11	15
Acenaphthylene	ND		283	196		ug/Kg	☼	69	52 - 120	11	20
Acenaphthene	ND		283	197		ug/Kg	☼	69	53 - 120	10	15
Fluorene	ND		283	210		ug/Kg	☼	74	55 - 120	7	21
Phenanthrene	4.6	J	283	231		ug/Kg	☼	80	57 - 121	11	18
Anthracene	ND		283	186		ug/Kg	☼	66	51 - 120	12	18
Fluoranthene	ND		283	218		ug/Kg	☼	77	63 - 127	16	18
Pyrene	ND	F2	283	214	F2	ug/Kg	☼	75	50 - 125	20	18

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-18915-1 MSD
Matrix: Solid
Analysis Batch: 38542

Client Sample ID: SB-6 (6-7)
Prep Type: Total/NA
Prep Batch: 38541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		283	222		ug/Kg	☼	78	61 - 131	15	16
Chrysene	ND		283	206		ug/Kg	☼	73	57 - 127	11	15
Benzo[b]fluoranthene	ND		283	200		ug/Kg	☼	71	61 - 127	3	16
Benzo[k]fluoranthene	ND		283	225		ug/Kg	☼	80	55 - 127	5	16
Benzo[a]pyrene	ND		283	207		ug/Kg	☼	73	60 - 126	12	20
Indeno[1,2,3-cd]pyrene	ND		283	213		ug/Kg	☼	75	54 - 128	10	31
Dibenz(a,h)anthracene	ND		283	210		ug/Kg	☼	74	60 - 121	12	31
Benzo[g,h,i]perylene	ND		283	204		ug/Kg	☼	72	58 - 129	16	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*59*		*44 - 120*
2-Fluorobiphenyl (Surr)	*63*		*47 - 120*
p-Terphenyl-d14	*68*		*54 - 132*

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

Lab Sample ID: MB 590-38499/1-A
Matrix: Solid
Analysis Batch: 38505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		10/11/22 10:42	10/11/22 12:46	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		10/11/22 10:42	10/11/22 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*10/11/22 10:42*	*10/11/22 12:46*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*10/11/22 10:42*	*10/11/22 12:46*	*1*

Lab Sample ID: LCS 590-38499/2-A
Matrix: Solid
Analysis Batch: 38505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38499

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	64.8		mg/Kg		97	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	67.7		mg/Kg		102	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*104*		*50 - 150*
n-Triacontane-d62	*98*		*50 - 150*

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

Lab Sample ID: 590-18915-1 DU
Matrix: Solid
Analysis Batch: 38505

Client Sample ID: SB-6 (6-7)
Prep Type: Total/NA
Prep Batch: 38499

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*94*		*50 - 150*
n-Triacontane-d62	*94*		*50 - 150*

Lab Sample ID: MB 590-38507/1-A
Matrix: Water
Analysis Batch: 38505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		10/11/22 12:56	10/11/22 19:36	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		10/11/22 12:56	10/11/22 19:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*10/11/22 12:56*	*10/11/22 19:36*	*1*
n-Triacontane-d62	*78*		*50 - 150*	*10/11/22 12:56*	*10/11/22 19:36*	*1*

Lab Sample ID: LCS 590-38507/2-A
Matrix: Water
Analysis Batch: 38505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.21		mg/L		76	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.49		mg/L		93	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*88*		*50 - 150*
n-Triacontane-d62	*90*		*50 - 150*

Lab Sample ID: LCSD 590-38507/3-A
Matrix: Water
Analysis Batch: 38505

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.32		mg/L		82	50 - 150	8	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.54		mg/L		96	50 - 150	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*93*		*50 - 150*

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

Lab Sample ID: LCSD 590-38507/3-A
Matrix: Water
Analysis Batch: 38505

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38507

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Triacontane-d62	95		50 - 150

Lab Chronicle

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: SB-6 (6-7)
Date Collected: 10/03/22 12:15
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: SB-6 (6-7)
Date Collected: 10/03/22 12:15
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-1
Matrix: Solid
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.472 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 03:57	JSP	EET SPK
Total/NA	Prep	5035			4.472 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 20:55	JSP	EET SPK
Total/NA	Prep	3550C			15.11 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 15:05	NMI	EET SPK
Total/NA	Prep	3550C			15.06 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 16:12	NMI	EET SPK

Client Sample ID: SB-7 (6-7)
Date Collected: 10/03/22 14:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: SB-7 (6-7)
Date Collected: 10/03/22 14:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-2
Matrix: Solid
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.622 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 04:38	JSP	EET SPK
Total/NA	Prep	5035			4.622 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38740	10/24/22 21:11	JSP	EET SPK
Total/NA	Prep	5035			4.622 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 21:17	JSP	EET SPK
Total/NA	Prep	3550C			15.10 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 16:14	NMI	EET SPK
Total/NA	Prep	3550C			15.33 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 16:53	NMI	EET SPK

Client Sample ID: SB-8 (2-3)
Date Collected: 10/04/22 16:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: SB-8 (2-3)

Lab Sample ID: 590-18915-3
Date Collected: 10/04/22 16:30
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.84 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 05:41	JSP	EET SPK
Total/NA	Prep	5035			3.84 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 21:38	JSP	EET SPK
Total/NA	Prep	3550C			15.32 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 16:38	NMI	EET SPK
Total/NA	Prep	3550C			15.16 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 17:13	NMI	EET SPK

Client Sample ID: SB-9 (2-3)

Lab Sample ID: 590-18915-4
Date Collected: 10/05/22 10:00
Matrix: Solid
Date Received: 10/10/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: SB-9 (2-3)

Lab Sample ID: 590-18915-4
Date Collected: 10/05/22 10:00
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.864 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 06:02	JSP	EET SPK
Total/NA	Prep	5035			4.864 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 22:00	JSP	EET SPK
Total/NA	Prep	3550C			15.00 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 17:01	NMI	EET SPK
Total/NA	Prep	3550C			15.18 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 17:34	NMI	EET SPK

Client Sample ID: SB-10 (2-3)

Lab Sample ID: 590-18915-5
Date Collected: 10/05/22 16:50
Matrix: Solid
Date Received: 10/10/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: SB-10 (2-3)

Lab Sample ID: 590-18915-5
Date Collected: 10/05/22 16:50
Matrix: Solid
Date Received: 10/10/22 09:00
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.413 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 06:22	JSP	EET SPK
Total/NA	Prep	5035			4.413 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 22:22	JSP	EET SPK

Lab Chronicle

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: SB-10 (2-3)
Date Collected: 10/05/22 16:50
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-5
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.00 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 17:24	NMI	EET SPK
Total/NA	Prep	3550C			15.14 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 17:54	NMI	EET SPK

Client Sample ID: SB-11 (2-3)
Date Collected: 10/06/22 10:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: SB-11 (2-3)
Date Collected: 10/06/22 10:30
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-6
Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.052 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 06:43	JSP	EET SPK
Total/NA	Prep	5035			5.052 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 23:05	JSP	EET SPK
Total/NA	Prep	3550C			15.23 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 17:47	NMI	EET SPK
Total/NA	Prep	3550C			15.10 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 18:14	NMI	EET SPK

Client Sample ID: SB-12 (2-3)
Date Collected: 10/06/22 13:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: SB-12 (2-3)
Date Collected: 10/06/22 13:45
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-7
Matrix: Solid
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.458 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 07:04	JSP	EET SPK
Total/NA	Prep	5035			4.458 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 23:26	JSP	EET SPK
Total/NA	Prep	3550C			15.47 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 18:11	NMI	EET SPK
Total/NA	Prep	3550C			15.14 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 18:35	NMI	EET SPK

Client Sample ID: DUP-1
Date Collected: 10/06/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38496	10/11/22 08:56	NMI	EET SPK

Client Sample ID: DUP-1
Date Collected: 10/06/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-8
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.43 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 07:25	JSP	EET SPK
Total/NA	Prep	5035			4.43 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	38487	10/10/22 23:48	JSP	EET SPK
Total/NA	Prep	3550C			15.30 g	2 mL	38541	10/12/22 11:20	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38542	10/12/22 18:34	NMI	EET SPK
Total/NA	Prep	3550C			15.40 g	5 mL	38499	10/11/22 10:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/11/22 18:55	NMI	EET SPK

Client Sample ID: TB-1
Date Collected: 10/03/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.042 g	10 mL	38494	10/10/22 15:46	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	38731	10/22/22 07:45	JSP	EET SPK

Client Sample ID: MW-2
Date Collected: 10/07/22 09:10
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 12:08	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38563	10/13/22 12:08	JSP	EET SPK
Total/NA	Prep	3510C			240.7 mL	2 mL	38484	10/10/22 12:44	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38485	10/10/22 17:45	NMI	EET SPK
Total/NA	Prep	3510C			242 mL	2 mL	38507	10/11/22 12:56	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/12/22 00:02	NMI	EET SPK

Client Sample ID: MW-3
Date Collected: 10/07/22 12:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 12:51	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38563	10/13/22 12:51	JSP	EET SPK
Total/NA	Prep	3510C			238.7 mL	2 mL	38484	10/10/22 12:44	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38485	10/10/22 18:09	NMI	EET SPK

Lab Chronicle

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: MW-3
Date Collected: 10/07/22 12:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250.2 mL	2 mL	38507	10/11/22 12:56	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/12/22 00:22	NMI	EET SPK

Client Sample ID: MW-4
Date Collected: 10/07/22 07:50
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 13:13	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38563	10/13/22 13:13	JSP	EET SPK
Total/NA	Prep	3510C			242.1 mL	2 mL	38484	10/10/22 12:44	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38485	10/10/22 18:32	NMI	EET SPK
Total/NA	Prep	3510C			248.6 mL	2 mL	38507	10/11/22 12:56	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/12/22 00:43	NMI	EET SPK

Client Sample ID: MW-5
Date Collected: 10/07/22 10:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 13:35	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38563	10/13/22 13:35	JSP	EET SPK
Total/NA	Prep	3510C			248.4 mL	2 mL	38484	10/10/22 12:44	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38485	10/10/22 18:55	NMI	EET SPK
Total/NA	Prep	3510C			243 mL	2 mL	38507	10/11/22 12:56	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/12/22 01:03	NMI	EET SPK

Client Sample ID: MW-6
Date Collected: 10/07/22 13:35
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 13:56	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38563	10/13/22 13:56	JSP	EET SPK
Total/NA	Prep	3510C			241 mL	2 mL	38484	10/10/22 12:44	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38485	10/10/22 19:19	NMI	EET SPK
Total/NA	Prep	3510C			242.3 mL	2 mL	38507	10/11/22 12:56	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/12/22 01:24	NMI	EET SPK

Client Sample ID: DUP-1
Date Collected: 10/07/22 00:00
Date Received: 10/10/22 09:00

Lab Sample ID: 590-18915-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 14:18	JSP	EET SPK

Lab Chronicle

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Client Sample ID: DUP-1

Lab Sample ID: 590-18915-15

Date Collected: 10/07/22 00:00

Matrix: Water

Date Received: 10/10/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38563	10/13/22 14:18	JSP	EET SPK
Total/NA	Prep	3510C			235 mL	2 mL	38484	10/10/22 12:44	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38485	10/10/22 19:42	NMI	EET SPK
Total/NA	Prep	3510C			243.5 mL	2 mL	38507	10/11/22 12:56	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/12/22 01:44	NMI	EET SPK

Client Sample ID: TB-1

Lab Sample ID: 590-18915-16

Date Collected: 10/07/22 00:00

Matrix: Water

Date Received: 10/10/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 14:39	JSP	EET SPK

Client Sample ID: MW-1

Lab Sample ID: 590-18915-17

Date Collected: 10/06/22 17:10

Matrix: Water

Date Received: 10/10/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	38562	10/13/22 15:01	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	38563	10/13/22 15:01	JSP	EET SPK
Total/NA	Prep	3510C			254.4 mL	2 mL	38484	10/10/22 12:44	NMI	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	38485	10/10/22 20:05	NMI	EET SPK
Total/NA	Prep	3510C			250.3 mL	2 mL	38507	10/11/22 13:00	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38505	10/12/22 03:06	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Hart & Hickman, PC
Project/Site: NWMS Puyallup

Job ID: 590-18915-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
5030C	Purge and Trap	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Adam Michalak	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-7873-2297 1
Client Contact: Nathan O'Leary	Phone: 916-616-7368	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: WA	Page: Page 1 of 2
Company: Hart & Hickman, PC	PWSID:			Job #:

Address: 2923 S Tyron St, STE 100	Due Date Requested:
City: Charlotte	TAT Requested (days): 5 day TAT
State, Zip: NC, 28203	Compliance Project: Δ Yes Δ No
Phone: 704-887 7197 (Tel)	PO #: Purchase Order not required
Email: noleary@harthickman.com	WO #:
Project Name: NWMS Puyallup	Project #: 59002274
Site:	SSOW#:

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Y	Trizma
		Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	8260D Standard Analyte List	8260D, NWTPH_Gx_MS	8270E_SIM Polycyclic Aromatic Hydrocarbons	NWTPH_Dx DRO and RRO	8260D Standard Analyte List	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	F	F	A	N	A	A		
SB-6 (6-7)	10/3/22	1215	G	Solid			X	X							Report to MDLs and J flags
SB-7 (6-7)	10/3/22	1445	G	Solid			X	X							
SB-8 (2-3)	10/4/22	1630	G	Solid			X	X							
SB-9 (2-3)	10/5/22	1000	G	Solid			X	X							
SB-10 (2-3)	10/5/22	1650	G	Solid			X	X							
SB-11 (2-3)	10/6/22	1030	G	Solid			X	X							
SB-12 (2-3)	10/6/22	1345	G	Solid			X	X							
DUP-1	10/6/22		G	Solid			X	X							
TB-1	9/29/22		G	Solid					X						
MW-2	10/7/22	0910	G	Water						X	X	X			
MW-3	10/7/22	1235	G	Water						X	X	X			

590-18915 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ■ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III, IV Other (specify) Level II

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Adam Michalak	10/7/22 1720	H&H	FedEx		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/10/22 0900	Company EET88
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.1 / 1.1 IR005

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Adam Michalak	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-7873-2297 1
Client Contact: Nathan O'Leary	Phone: 916-616-7368	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: WA	Page: Page 2 of 2
Company: Hart & Hickman, PC	PWSID:			Job #:
Address: 2923 S Tyron St, STE 100	Due Date Requested:			
City: Charlotte	TAT Requested (days): 5 day TAT			
State, Zip: NC, 28203	Compliance Project: Δ Yes Δ No			
Phone: 704-887 7197 (Tel)	PO #: Purchase Order not required			
Email: noleary@harthickman.com	WO #:			
Project Name: NWMS Puyallup	Project #: 59002274			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	8260D Standard Analyte List	8260D, NWTPH_Gx_MS	8270E_SIM Polycyclic Aromatic Hydrocarbons	NWTPH_Dx DRO and RRO	8260D Standard Analyte List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	F	A	N	A	A		
MW-4	10/7/22	0750	G	Water						X	X	X			Report to MDLs and J flags
MW-5	10/7/22	1035	G	Water						X	X	X			
MW-6	10/7/22	1335	G	Water						X	X	X			
DUP-1	10/7/22		G	Water						X	X	X			
TB-1	10/7/22		G	Water									X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ■ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify) Level II

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Adam Michalak	10/7/22 1720	H&H	FedEX		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Adam Michalak	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-7873-2297 1
Client Contact: Nathan O'Leary	Phone: 916-616-7368	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: WA	Page: Page 1 of 2
Company: Hart & Hickman PC	PWSID:			Job #:
Address: 2923 S Tyron St, STE 100	Due Date Requested:			
City: Charlotte	TAT Requested (days): 5 day TAT			
State, Zip: NC, 28203	Compliance Project: Δ Yes Δ No			
Phone: 704-887 7197 (Tel)	PO #: Purchase Order not required			
Email: noleary@harthickman.com	WO #:			
Project Name: NWMS Puyallup	Project #: 59002274			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Y	Trizma
		Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	8260D Standard Analyte List	8260D, NWTPH_Gx_MS	8270E_SIM Polycyclic Aromatic Hydrocarbons	NWTPH_Dx DRO and RRO	8260D Standard Analyte List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	F	A	N	A	A		
SB-6 (6-7)	10/3/22	1215	G	Solid			X	X							Report to MDLs and J flags
SB-7 (6-7)	10/3/22	1445	G	Solid			X	X							
SB-8 (2-3)	10/4/22	1630	G	Solid			X	X							
SB-9 (2-3)	10/5/22	1000	G	Solid			X	X							
SB-10 (2-3)	10/5/22	1650	G	Solid			X	X							
SB-11 (2-3)	10/6/22	1030	G	Solid			X	X							
SB-12 (2-3)	10/6/22	1345	G	Solid			X	X							
DUP-1	10/6/22		G	Solid			X	X							
TB-1	9/29/22		G	Solid					X						
MW-2	10/7/22	0910	G	Water						X	X	X			
MW-3	10/7/22	1235	G	Water						X	X	X			

590-18915 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ■ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify) Level II

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time	Method of Shipment:

Relinquished by: Adam Michalak	Date/Time: 10/7/22 1720	Company H&H	Received by: FedEX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/10/22 0900	Company EET885
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.1 C IR005

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Adam Michalak	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-7873-2297 1
Client Contact: Nathan O'Leary	Phone: 916-616-7368	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: WA	Page: Page 2 of 2
Company: Hart & Hickman, PC	PWSID:			Job #:
Address: 2923 S Tyron St, STE 100	Due Date Requested:			
City: Charlotte	TAT Requested (days): 5 day TAT			
State, Zip: NC, 28203	Compliance Project: Δ Yes Δ No			
Phone: 704-887 7197 (Tel)	PO #: Purchase Order not required			
Email: noleary@harthickman.com	WO #:			
Project Name: NWMS Puyallup	Project #: 59002274			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM, NWTPH_Dx	8260D_NWTPH_Gx_MS	8260D Standard Analyte List	8260D_NWTPH_Gx_MS	8270E_SIM Polycyclic Aromatic Hydrocarbons	NWTPH_Dx DRO and RRO	8260D Standard Analyte List							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	F	A	N	A	A								
MW-4	10/7/22	0750	G	Water						X	X	X									Report to MDLs and J flags
MW-5	10/7/22	1035	G	Water						X	X	X									
MW-6	10/7/22	1335	G	Water						X	X	X									
DUP-1	10/7/22		G	Water						X	X	X									
TB-1	10/7/22		G	Water									X								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ■ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III, IV Other (specify) Level II

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Adam Michalak	10/7/22 1720	H&H	FedEx		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Hart & Hickman, PC

Job Number: 590-18915-1

Login Number: 18915
List Number: 1
Creator: Fettig, Riley

List Source: Eurofins Spokane

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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 18, 2022

Nathan O'Leary
Hart & Hickman
2923 S. Tryon St
Charlotte, NC 28203

RE: Project: SAI.389-13
Pace Project No.: 92630655

Dear Nathan O'Leary:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Taylor M Cannon
taylor.cannon@pacelabs.com
(704)875-9092
Project Manager

Enclosures

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: SAI.389-13
Pace Project No.: 92630655

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: SAI.389-13
Pace Project No.: 92630655

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92630655001	**SSV-1**	Air	10/07/22 14:40	10/11/22 09:06
92630655002	**SSV-4**	Air	10/07/22 15:09	10/11/22 09:06
92630655003	**SSV-7**	Air	10/07/22 15:27	10/11/22 09:06
92630655004	**Unused Can #0887**	Air	10/07/22 00:00	10/11/22 09:06
92630655005	**Unused Can #2265**	Air	10/07/22 00:00	10/11/22 09:06
92630655006	**Unused Can #2849**	Air	10/07/22 00:00	10/11/22 09:06
92630655007	**Unused Can #3252**	Air	10/07/22 00:00	10/11/22 09:06
92630655008	**Unused Can #4044**	Air	10/07/22 00:00	10/11/22 09:06
92630655009	**Unused Can #4076**	Air	10/07/22 00:00	10/11/22 09:06

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: SAI.389-13
Pace Project No.: 92630655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92630655001	**SSV-1**	TO-15	SW	61	PASI-M
92630655002	**SSV-4**	TO-15	SW	61	PASI-M
92630655003	**SSV-7**	TO-15	SW	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: SAI.389-13
Pace Project No.: 92630655

Sample: SSV-1 **Lab ID: 92630655001** Collected: 10/07/22 14:40 Received: 10/11/22 09:06 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
Acetone	**32.3**	ug/m3	11.1	1.83		10/17/22 21:27	67-64-1	
Benzene	**0.77**	ug/m3	0.59	1.83		10/17/22 21:27	71-43-2	
Benzyl chloride	ND	ug/m3	4.8	1.83		10/17/22 21:27	100-44-7	
Bromodichloromethane	ND	ug/m3	2.5	1.83		10/17/22 21:27	75-27-4	
Bromoform	ND	ug/m3	9.6	1.83		10/17/22 21:27	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.83		10/17/22 21:27	74-83-9	
1,3-Butadiene	ND	ug/m3	0.82	1.83		10/17/22 21:27	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		10/17/22 21:27	78-93-3	
Carbon disulfide	**17.1**	ug/m3	1.2	1.83		10/17/22 21:27	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.3	1.83		10/17/22 21:27	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83		10/17/22 21:27	108-90-7	
Chloroethane	ND	ug/m3	0.98	1.83		10/17/22 21:27	75-00-3	
Chloroform	ND	ug/m3	0.91	1.83		10/17/22 21:27	67-66-3	
Chloromethane	ND	ug/m3	0.77	1.83		10/17/22 21:27	74-87-3	
Cyclohexane	ND	ug/m3	3.2	1.83		10/17/22 21:27	110-82-7	
Dibromochloromethane	ND	ug/m3	3.2	1.83		10/17/22 21:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		10/17/22 21:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.6	1.83		10/17/22 21:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.6	1.83		10/17/22 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.6	1.83		10/17/22 21:27	106-46-7	
Dichlorodifluoromethane	**6.4**	ug/m3	1.8	1.83		10/17/22 21:27	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		10/17/22 21:27	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.5	1.83		10/17/22 21:27	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		10/17/22 21:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		10/17/22 21:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		10/17/22 21:27	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		10/17/22 21:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		10/17/22 21:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		10/17/22 21:27	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		10/17/22 21:27	76-14-2	
Ethanol	**95.4**	ug/m3	3.5	1.83		10/17/22 21:27	64-17-5	
Ethyl acetate	ND	ug/m3	1.3	1.83		10/17/22 21:27	141-78-6	
Ethylbenzene	**2.3**	ug/m3	1.6	1.83		10/17/22 21:27	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.6	1.83		10/17/22 21:27	622-96-8	
n-Heptane	**5.6**	ug/m3	1.5	1.83		10/17/22 21:27	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83		10/17/22 21:27	87-68-3	
n-Hexane	ND	ug/m3	1.3	1.83		10/17/22 21:27	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.83		10/17/22 21:27	591-78-6	
Methylene Chloride	ND	ug/m3	6.5	1.83		10/17/22 21:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		10/17/22 21:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		10/17/22 21:27	1634-04-4	
Naphthalene	ND	ug/m3	4.9	1.83		10/17/22 21:27	91-20-3	
2-Propanol	**8.4**	ug/m3	4.6	1.83		10/17/22 21:27	67-63-0	
Propylene	ND	ug/m3	1.6	1.83		10/17/22 21:27	115-07-1	
Styrene	ND	ug/m3	1.6	1.83		10/17/22 21:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.6	1.83		10/17/22 21:27	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: SAI.389-13
Pace Project No.: 92630655

Sample: SSV-1 **Lab ID: 92630655001** Collected: 10/07/22 14:40 Received: 10/11/22 09:06 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Tetrachloroethene	**2.8**	ug/m3	2.5	1.83		10/17/22 21:27	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.1	1.83		10/17/22 21:27	109-99-9	
Toluene	**7.1**	ug/m3	1.4	1.83		10/17/22 21:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		10/17/22 21:27	120-82-1	
1,1,1-Trichloroethane	**125**	ug/m3	2.0	1.83		10/17/22 21:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		10/17/22 21:27	79-00-5	
Trichloroethene	ND	ug/m3	1.0	1.83		10/17/22 21:27	79-01-6	
Trichlorofluoromethane	**12.9**	ug/m3	2.1	1.83		10/17/22 21:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		10/17/22 21:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		10/17/22 21:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		10/17/22 21:27	108-67-8	
Vinyl acetate	ND	ug/m3	1.3	1.83		10/17/22 21:27	108-05-4	
Vinyl chloride	ND	ug/m3	0.48	1.83		10/17/22 21:27	75-01-4	
m&p-Xylene	**10.7**	ug/m3	3.2	1.83		10/17/22 21:27	179601-23-1	
o-Xylene	**7.9**	ug/m3	1.6	1.83		10/17/22 21:27	95-47-6	

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ANALYTICAL RESULTS

Project: SAI.389-13
Pace Project No.: 92630655

Sample: SSV-4 **Lab ID: 92630655002** Collected: 10/07/22 15:09 Received: 10/11/22 09:06 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
Acetone	**133**	ug/m3	11.7	1.94		10/15/22 21:27	67-64-1	
Benzene	**2.2**	ug/m3	0.63	1.94		10/15/22 21:27	71-43-2	
Benzyl chloride	ND	ug/m3	5.1	1.94		10/15/22 21:27	100-44-7	
Bromodichloromethane	ND	ug/m3	2.6	1.94		10/15/22 21:27	75-27-4	
Bromoform	ND	ug/m3	10.2	1.94		10/15/22 21:27	75-25-2	
Bromomethane	ND	ug/m3	1.5	1.94		10/15/22 21:27	74-83-9	
1,3-Butadiene	ND	ug/m3	0.87	1.94		10/15/22 21:27	106-99-0	
2-Butanone (MEK)	**15.2**	ug/m3	5.8	1.94		10/15/22 21:27	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.94		10/15/22 21:27	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.5	1.94		10/15/22 21:27	56-23-5	
Chlorobenzene	ND	ug/m3	1.8	1.94		10/15/22 21:27	108-90-7	
Chloroethane	ND	ug/m3	1.0	1.94		10/15/22 21:27	75-00-3	
Chloroform	ND	ug/m3	0.96	1.94		10/15/22 21:27	67-66-3	
Chloromethane	**1.1**	ug/m3	0.81	1.94		10/15/22 21:27	74-87-3	
Cyclohexane	ND	ug/m3	3.4	1.94		10/15/22 21:27	110-82-7	
Dibromochloromethane	ND	ug/m3	3.4	1.94		10/15/22 21:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.94		10/15/22 21:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.9	1.94		10/15/22 21:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.9	1.94		10/15/22 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.9	1.94		10/15/22 21:27	106-46-7	
Dichlorodifluoromethane	**2.2**	ug/m3	2.0	1.94		10/15/22 21:27	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.6	1.94		10/15/22 21:27	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.6	1.94		10/15/22 21:27	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.6	1.94		10/15/22 21:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.94		10/15/22 21:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.94		10/15/22 21:27	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.8	1.94		10/15/22 21:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.5	1.94		10/15/22 21:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.5	1.94		10/15/22 21:27	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.8	1.94		10/15/22 21:27	76-14-2	
Ethanol	**164**	ug/m3	3.7	1.94		10/15/22 21:27	64-17-5	
Ethyl acetate	ND	ug/m3	1.4	1.94		10/15/22 21:27	141-78-6	
Ethylbenzene	**2.6**	ug/m3	1.7	1.94		10/15/22 21:27	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.8	1.94		10/15/22 21:27	622-96-8	
n-Heptane	**18.8**	ug/m3	1.6	1.94		10/15/22 21:27	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	10.5	1.94		10/15/22 21:27	87-68-3	
n-Hexane	**4.1**	ug/m3	1.4	1.94		10/15/22 21:27	110-54-3	
2-Hexanone	ND	ug/m3	8.1	1.94		10/15/22 21:27	591-78-6	
Methylene Chloride	ND	ug/m3	6.8	1.94		10/15/22 21:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**8.4**	ug/m3	8.1	1.94		10/15/22 21:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	7.1	1.94		10/15/22 21:27	1634-04-4	
Naphthalene	ND	ug/m3	5.2	1.94		10/15/22 21:27	91-20-3	
2-Propanol	**34.2**	ug/m3	4.8	1.94		10/15/22 21:27	67-63-0	
Propylene	ND	ug/m3	1.7	1.94		10/15/22 21:27	115-07-1	
Styrene	**1.7**	ug/m3	1.7	1.94		10/15/22 21:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.7	1.94		10/15/22 21:27	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: SAI.389-13
Pace Project No.: 92630655

Sample: SSV-4 **Lab ID: 92630655002** Collected: 10/07/22 15:09 Received: 10/11/22 09:06 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/m3	2.7	1.94		10/15/22 21:27	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.2	1.94		10/15/22 21:27	109-99-9	
Toluene	**25.6**	ug/m3	1.5	1.94		10/15/22 21:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	14.6	1.94		10/15/22 21:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.2	1.94		10/15/22 21:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.94		10/15/22 21:27	79-00-5	
Trichloroethene	ND	ug/m3	1.1	1.94		10/15/22 21:27	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.2	1.94		10/15/22 21:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.0	1.94		10/15/22 21:27	76-13-1	
1,2,4-Trimethylbenzene	**6.4**	ug/m3	1.9	1.94		10/15/22 21:27	95-63-6	
1,3,5-Trimethylbenzene	**2.8**	ug/m3	1.9	1.94		10/15/22 21:27	108-67-8	
Vinyl acetate	ND	ug/m3	1.4	1.94		10/15/22 21:27	108-05-4	
Vinyl chloride	ND	ug/m3	0.50	1.94		10/15/22 21:27	75-01-4	
m&p-Xylene	**7.6**	ug/m3	3.4	1.94		10/15/22 21:27	179601-23-1	
o-Xylene	**2.8**	ug/m3	1.7	1.94		10/15/22 21:27	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SAI.389-13
Pace Project No.: 92630655

Sample: SSV-7 **Lab ID: 92630655003** Collected: 10/07/22 15:27 Received: 10/11/22 09:06 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
Acetone	**16.7**	ug/m3	12.0	1.98		10/15/22 22:03	67-64-1	
Benzene	ND	ug/m3	0.64	1.98		10/15/22 22:03	71-43-2	
Benzyl chloride	ND	ug/m3	5.2	1.98		10/15/22 22:03	100-44-7	
Bromodichloromethane	ND	ug/m3	2.7	1.98		10/15/22 22:03	75-27-4	
Bromoform	ND	ug/m3	10.4	1.98		10/15/22 22:03	75-25-2	
Bromomethane	ND	ug/m3	1.6	1.98		10/15/22 22:03	74-83-9	
1,3-Butadiene	ND	ug/m3	0.89	1.98		10/15/22 22:03	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.9	1.98		10/15/22 22:03	78-93-3	
Carbon disulfide	ND	ug/m3	1.3	1.98		10/15/22 22:03	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.5	1.98		10/15/22 22:03	56-23-5	
Chlorobenzene	ND	ug/m3	1.9	1.98		10/15/22 22:03	108-90-7	
Chloroethane	ND	ug/m3	1.1	1.98		10/15/22 22:03	75-00-3	
Chloroform	ND	ug/m3	0.98	1.98		10/15/22 22:03	67-66-3	
Chloromethane	ND	ug/m3	0.83	1.98		10/15/22 22:03	74-87-3	
Cyclohexane	ND	ug/m3	3.5	1.98		10/15/22 22:03	110-82-7	
Dibromochloromethane	ND	ug/m3	3.4	1.98		10/15/22 22:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.1	1.98		10/15/22 22:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	6.1	1.98		10/15/22 22:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	6.1	1.98		10/15/22 22:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	6.1	1.98		10/15/22 22:03	106-46-7	
Dichlorodifluoromethane	**53.3**	ug/m3	2.0	1.98		10/15/22 22:03	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.6	1.98		10/15/22 22:03	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.6	1.98		10/15/22 22:03	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.6	1.98		10/15/22 22:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.98		10/15/22 22:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.98		10/15/22 22:03	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.9	1.98		10/15/22 22:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.6	1.98		10/15/22 22:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.6	1.98		10/15/22 22:03	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.8	1.98		10/15/22 22:03	76-14-2	
Ethanol	**261**	ug/m3	3.8	1.98		10/15/22 22:03	64-17-5	
Ethyl acetate	ND	ug/m3	1.5	1.98		10/15/22 22:03	141-78-6	
Ethylbenzene	ND	ug/m3	1.7	1.98		10/15/22 22:03	100-41-4	
4-Ethyltoluene	ND	ug/m3	5.0	1.98		10/15/22 22:03	622-96-8	
n-Heptane	**2.1**	ug/m3	1.6	1.98		10/15/22 22:03	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	10.7	1.98		10/15/22 22:03	87-68-3	
n-Hexane	ND	ug/m3	1.4	1.98		10/15/22 22:03	110-54-3	
2-Hexanone	ND	ug/m3	8.2	1.98		10/15/22 22:03	591-78-6	
Methylene Chloride	ND	ug/m3	7.0	1.98		10/15/22 22:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.2	1.98		10/15/22 22:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	7.2	1.98		10/15/22 22:03	1634-04-4	
Naphthalene	ND	ug/m3	5.3	1.98		10/15/22 22:03	91-20-3	
2-Propanol	**10.6**	ug/m3	5.0	1.98		10/15/22 22:03	67-63-0	
Propylene	ND	ug/m3	1.7	1.98		10/15/22 22:03	115-07-1	
Styrene	**2.0**	ug/m3	1.7	1.98		10/15/22 22:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.8	1.98		10/15/22 22:03	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: SAI.389-13
Pace Project No.: 92630655

Sample: SSV-7 **Lab ID: 92630655003** Collected: 10/07/22 15:27 Received: 10/11/22 09:06 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Tetrachloroethene	**5.5**	ug/m3	2.7	1.98		10/15/22 22:03	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.2	1.98		10/15/22 22:03	109-99-9	
Toluene	**3.2**	ug/m3	1.5	1.98		10/15/22 22:03	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	14.9	1.98		10/15/22 22:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.2	1.98		10/15/22 22:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.98		10/15/22 22:03	79-00-5	
Trichloroethene	ND	ug/m3	1.1	1.98		10/15/22 22:03	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.3	1.98		10/15/22 22:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	1.98		10/15/22 22:03	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.0	1.98		10/15/22 22:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.0	1.98		10/15/22 22:03	108-67-8	
Vinyl acetate	ND	ug/m3	1.4	1.98		10/15/22 22:03	108-05-4	
Vinyl chloride	ND	ug/m3	0.51	1.98		10/15/22 22:03	75-01-4	
m&p-Xylene	ND	ug/m3	3.5	1.98		10/15/22 22:03	179601-23-1	
o-Xylene	ND	ug/m3	1.7	1.98		10/15/22 22:03	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

QC Batch: 847092
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92630655002, 92630655003

METHOD BLANK: 4482400 Matrix: Air
Associated Lab Samples: 92630655002, 92630655003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	10/15/22 11:56	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	10/15/22 11:56	
1,1,2-Trichloroethane	ug/m3	ND	0.56	10/15/22 11:56	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	10/15/22 11:56	
1,1-Dichloroethane	ug/m3	ND	0.82	10/15/22 11:56	
1,1-Dichloroethene	ug/m3	ND	0.81	10/15/22 11:56	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	10/15/22 11:56	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	10/15/22 11:56	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	10/15/22 11:56	
1,2-Dichlorobenzene	ug/m3	ND	3.1	10/15/22 11:56	
1,2-Dichloroethane	ug/m3	ND	0.82	10/15/22 11:56	
1,2-Dichloropropane	ug/m3	ND	0.94	10/15/22 11:56	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	10/15/22 11:56	
1,3-Butadiene	ug/m3	ND	0.45	10/15/22 11:56	
1,3-Dichlorobenzene	ug/m3	ND	3.1	10/15/22 11:56	
1,4-Dichlorobenzene	ug/m3	ND	3.1	10/15/22 11:56	
2-Butanone (MEK)	ug/m3	ND	3.0	10/15/22 11:56	
2-Hexanone	ug/m3	ND	4.2	10/15/22 11:56	
2-Propanol	ug/m3	ND	2.5	10/15/22 11:56	
4-Ethyltoluene	ug/m3	ND	2.5	10/15/22 11:56	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	10/15/22 11:56	
Acetone	ug/m3	ND	6.0	10/15/22 11:56	
Benzene	ug/m3	ND	0.32	10/15/22 11:56	
Benzyl chloride	ug/m3	ND	2.6	10/15/22 11:56	
Bromodichloromethane	ug/m3	ND	1.4	10/15/22 11:56	
Bromoform	ug/m3	ND	5.2	10/15/22 11:56	
Bromomethane	ug/m3	ND	0.79	10/15/22 11:56	
Carbon disulfide	ug/m3	ND	0.63	10/15/22 11:56	
Carbon tetrachloride	ug/m3	ND	1.3	10/15/22 11:56	
Chlorobenzene	ug/m3	ND	0.94	10/15/22 11:56	
Chloroethane	ug/m3	ND	0.54	10/15/22 11:56	
Chloroform	ug/m3	ND	0.50	10/15/22 11:56	
Chloromethane	ug/m3	ND	0.42	10/15/22 11:56	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	10/15/22 11:56	
cis-1,3-Dichloropropene	ug/m3	ND	2.3	10/15/22 11:56	
Cyclohexane	ug/m3	ND	1.8	10/15/22 11:56	
Dibromochloromethane	ug/m3	ND	1.7	10/15/22 11:56	
Dichlorodifluoromethane	ug/m3	ND	1.0	10/15/22 11:56	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	10/15/22 11:56	
Ethanol	ug/m3	ND	1.9	10/15/22 11:56	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

METHOD BLANK: 4482400 Matrix: Air
Associated Lab Samples: 92630655002, 92630655003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.73	10/15/22 11:56	
Ethylbenzene	ug/m3	ND	0.88	10/15/22 11:56	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	10/15/22 11:56	
m&p-Xylene	ug/m3	ND	1.8	10/15/22 11:56	
Methyl-tert-butyl ether	ug/m3	ND	3.7	10/15/22 11:56	
Methylene Chloride	ug/m3	ND	3.5	10/15/22 11:56	
n-Heptane	ug/m3	ND	0.83	10/15/22 11:56	
n-Hexane	ug/m3	ND	0.72	10/15/22 11:56	
Naphthalene	ug/m3	ND	2.7	10/15/22 11:56	
o-Xylene	ug/m3	ND	0.88	10/15/22 11:56	
Propylene	ug/m3	ND	0.88	10/15/22 11:56	
Styrene	ug/m3	ND	0.87	10/15/22 11:56	
Tetrachloroethene	ug/m3	ND	1.4	10/15/22 11:56	
Tetrahydrofuran	ug/m3	ND	0.60	10/15/22 11:56	
Toluene	ug/m3	ND	0.77	10/15/22 11:56	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	10/15/22 11:56	
trans-1,3-Dichloropropene	ug/m3	ND	2.3	10/15/22 11:56	
Trichloroethene	ug/m3	ND	0.55	10/15/22 11:56	
Trichlorofluoromethane	ug/m3	ND	1.1	10/15/22 11:56	
Vinyl acetate	ug/m3	ND	0.72	10/15/22 11:56	
Vinyl chloride	ug/m3	ND	0.26	10/15/22 11:56	

LABORATORY CONTROL SAMPLE: 4482401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58	56.0	97	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.8	71.9	99	70-132	
1,1,2-Trichloroethane	ug/m3	58.3	60.7	104	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.2	76.0	94	70-130	
1,1-Dichloroethane	ug/m3	42.5	43.1	102	70-130	
1,1-Dichloroethene	ug/m3	41.9	41.6	99	70-130	
1,2,4-Trichlorobenzene	ug/m3	175	144	82	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.5	49.2	94	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.5	77.9	97	70-137	
1,2-Dichlorobenzene	ug/m3	63.9	57.0	89	70-131	
1,2-Dichloroethane	ug/m3	42.4	41.4	98	70-134	
1,2-Dichloropropane	ug/m3	49.3	51.7	105	70-130	
1,3,5-Trimethylbenzene	ug/m3	52.4	49.1	94	70-131	
1,3-Butadiene	ug/m3	23.9	21.7	91	70-139	
1,3-Dichlorobenzene	ug/m3	64.2	56.6	88	70-134	
1,4-Dichlorobenzene	ug/m3	64.3	57.0	89	70-131	
2-Butanone (MEK)	ug/m3	31.3	34.5	110	70-133	
2-Hexanone	ug/m3	43.4	56.2	130	70-136	
2-Propanol	ug/m3	137	123	90	65-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

LABORATORY CONTROL SAMPLE: 4482401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.3	49.3	94	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	54.6	125	70-130	
Acetone	ug/m3	127	116	91	60-134	
Benzene	ug/m3	33.8	37.0	110	70-130	
Benzyl chloride	ug/m3	55.6	47.7	86	70-130	
Bromodichloromethane	ug/m3	71.5	76.2	107	70-130	
Bromoform	ug/m3	110	95.4	86	70-138	
Bromomethane	ug/m3	41.4	33.2	80	68-131	
Carbon disulfide	ug/m3	33	36.5	111	70-130	
Carbon tetrachloride	ug/m3	66.7	64.6	97	70-132	
Chlorobenzene	ug/m3	49	47.5	97	70-130	
Chloroethane	ug/m3	28.1	22.7	81	70-134	
Chloroform	ug/m3	52.1	50.6	97	70-130	
Chloromethane	ug/m3	22	19.1	87	68-131	
cis-1,2-Dichloroethene	ug/m3	42.1	42.5	101	70-136	
cis-1,3-Dichloropropene	ug/m3	48.2	53.9	112	70-130	
Cyclohexane	ug/m3	36.4	44.7	123	70-131	
Dibromochloromethane	ug/m3	90.6	87.3	96	70-134	
Dichlorodifluoromethane	ug/m3	52.5	46.1	88	70-130	
Dichlorotetrafluoroethane	ug/m3	74.4	59.2	80	70-130	
Ethanol	ug/m3	113	96.0	85	55-145	
Ethyl acetate	ug/m3	38.4	41.7	108	70-135	
Ethylbenzene	ug/m3	46.2	46.0	99	70-133	
Hexachloro-1,3-butadiene	ug/m3	130	110	84	70-132	
m&p-Xylene	ug/m3	92.4	99.5	108	70-134	
Methyl-tert-butyl ether	ug/m3	38.3	42.2	110	70-131	
Methylene Chloride	ug/m3	36.8	36.4	99	65-132	
n-Heptane	ug/m3	43.5	53.2	122	70-130	
n-Hexane	ug/m3	37.7	40.7	108	70-132	
Naphthalene	ug/m3	63.9	57.6	90	70-130	
o-Xylene	ug/m3	46	44.9	98	70-134	
Propylene	ug/m3	18.6	21.5	115	69-133	
Styrene	ug/m3	45.3	43.8	97	70-135	
Tetrachloroethene	ug/m3	72	60.5	84	70-134	
Tetrahydrofuran	ug/m3	31.3	37.4	120	70-140	
Toluene	ug/m3	40.2	47.9	119	70-136	
trans-1,2-Dichloroethene	ug/m3	42.3	42.0	99	70-134	
trans-1,3-Dichloropropene	ug/m3	48.4	45.9	95	70-131	
Trichloroethene	ug/m3	57.2	56.8	99	70-134	
Trichlorofluoromethane	ug/m3	60.3	47.6	79	63-130	
Vinyl acetate	ug/m3	38.7	45.3	117	70-139	
Vinyl chloride	ug/m3	27.2	22.7	83	70-132	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

QC Batch: 847335
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92630655001

METHOD BLANK: 4483206 Matrix: Air
Associated Lab Samples: 92630655001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.56	10/17/22 10:53	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	10/17/22 10:53	
1,1,2-Trichloroethane	ug/m3	ND	0.28	10/17/22 10:53	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.78	10/17/22 10:53	
1,1-Dichloroethane	ug/m3	ND	0.41	10/17/22 10:53	
1,1-Dichloroethene	ug/m3	ND	0.40	10/17/22 10:53	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	10/17/22 10:53	
1,2,4-Trimethylbenzene	ug/m3	ND	0.50	10/17/22 10:53	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.78	10/17/22 10:53	MN
1,2-Dichlorobenzene	ug/m3	ND	1.5	10/17/22 10:53	
1,2-Dichloroethane	ug/m3	ND	0.41	10/17/22 10:53	
1,2-Dichloropropane	ug/m3	ND	0.47	10/17/22 10:53	
1,3,5-Trimethylbenzene	ug/m3	ND	0.50	10/17/22 10:53	
1,3-Butadiene	ug/m3	ND	0.22	10/17/22 10:53	
1,3-Dichlorobenzene	ug/m3	ND	1.5	10/17/22 10:53	
1,4-Dichlorobenzene	ug/m3	ND	1.5	10/17/22 10:53	
2-Butanone (MEK)	ug/m3	ND	1.5	10/17/22 10:53	
2-Hexanone	ug/m3	ND	2.1	10/17/22 10:53	
2-Propanol	ug/m3	ND	1.2	10/17/22 10:53	
4-Ethyltoluene	ug/m3	ND	1.2	10/17/22 10:53	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	2.1	10/17/22 10:53	
Acetone	ug/m3	ND	3.0	10/17/22 10:53	
Benzene	ug/m3	ND	0.16	10/17/22 10:53	
Benzyl chloride	ug/m3	ND	1.3	10/17/22 10:53	
Bromodichloromethane	ug/m3	ND	0.68	10/17/22 10:53	
Bromoform	ug/m3	ND	2.6	10/17/22 10:53	
Bromomethane	ug/m3	ND	0.39	10/17/22 10:53	
Carbon disulfide	ug/m3	ND	0.32	10/17/22 10:53	
Carbon tetrachloride	ug/m3	ND	0.64	10/17/22 10:53	
Chlorobenzene	ug/m3	ND	0.47	10/17/22 10:53	
Chloroethane	ug/m3	ND	0.27	10/17/22 10:53	
Chloroform	ug/m3	ND	0.25	10/17/22 10:53	
Chloromethane	ug/m3	ND	0.21	10/17/22 10:53	
cis-1,2-Dichloroethene	ug/m3	ND	0.40	10/17/22 10:53	
cis-1,3-Dichloropropene	ug/m3	ND	1.2	10/17/22 10:53	
Cyclohexane	ug/m3	ND	0.88	10/17/22 10:53	
Dibromochloromethane	ug/m3	ND	0.86	10/17/22 10:53	
Dichlorodifluoromethane	ug/m3	ND	0.50	10/17/22 10:53	
Dichlorotetrafluoroethane	ug/m3	ND	0.71	10/17/22 10:53	
Ethanol	ug/m3	ND	0.96	10/17/22 10:53	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

METHOD BLANK: 4483206 Matrix: Air
Associated Lab Samples: 92630655001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.37	10/17/22 10:53	
Ethylbenzene	ug/m3	ND	0.44	10/17/22 10:53	
Hexachloro-1,3-butadiene	ug/m3	ND	2.7	10/17/22 10:53	
m&p-Xylene	ug/m3	ND	0.88	10/17/22 10:53	
Methyl-tert-butyl ether	ug/m3	ND	1.8	10/17/22 10:53	
Methylene Chloride	ug/m3	ND	1.8	10/17/22 10:53	
n-Heptane	ug/m3	ND	0.42	10/17/22 10:53	
n-Hexane	ug/m3	ND	0.36	10/17/22 10:53	
Naphthalene	ug/m3	ND	1.3	10/17/22 10:53	
o-Xylene	ug/m3	ND	0.44	10/17/22 10:53	
Propylene	ug/m3	ND	0.44	10/17/22 10:53	
Styrene	ug/m3	ND	0.43	10/17/22 10:53	
Tetrachloroethene	ug/m3	ND	0.69	10/17/22 10:53	MN
Tetrahydrofuran	ug/m3	ND	0.30	10/17/22 10:53	
Toluene	ug/m3	ND	0.38	10/17/22 10:53	
trans-1,2-Dichloroethene	ug/m3	ND	0.40	10/17/22 10:53	
trans-1,3-Dichloropropene	ug/m3	ND	1.2	10/17/22 10:53	
Trichloroethene	ug/m3	ND	0.27	10/17/22 10:53	
Trichlorofluoromethane	ug/m3	ND	0.57	10/17/22 10:53	
Vinyl acetate	ug/m3	ND	0.36	10/17/22 10:53	
Vinyl chloride	ug/m3	ND	0.13	10/17/22 10:53	

LABORATORY CONTROL SAMPLE: 4483207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58	57.6	99	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.8	73.6	101	70-132	
1,1,2-Trichloroethane	ug/m3	58.3	61.6	106	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.2	77.3	95	70-130	
1,1-Dichloroethane	ug/m3	42.5	44.0	104	70-130	
1,1-Dichloroethene	ug/m3	41.9	40.9	97	70-130	
1,2,4-Trichlorobenzene	ug/m3	175	147	84	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.5	50.2	96	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.5	80.2	100	70-137	
1,2-Dichlorobenzene	ug/m3	63.9	58.3	91	70-131	
1,2-Dichloroethane	ug/m3	42.4	42.5	100	70-134	
1,2-Dichloropropane	ug/m3	49.3	52.4	106	70-130	
1,3,5-Trimethylbenzene	ug/m3	52.4	50.7	97	70-131	
1,3-Butadiene	ug/m3	23.9	23.4	98	70-139	
1,3-Dichlorobenzene	ug/m3	64.2	58.2	91	70-134	
1,4-Dichlorobenzene	ug/m3	64.3	58.6	91	70-131	
2-Butanone (MEK)	ug/m3	31.3	37.0	118	70-133	
2-Hexanone	ug/m3	43.4	57.4	132	70-136	CH
2-Propanol	ug/m3	137	131	96	65-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

LABORATORY CONTROL SAMPLE: 4483207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.3	50.6	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	55.5	127	70-130	
Acetone	ug/m3	127	122	96	60-134	
Benzene	ug/m3	33.8	37.7	111	70-130	
Benzyl chloride	ug/m3	55.6	50.8	91	70-130	
Bromodichloromethane	ug/m3	71.5	78.0	109	70-130	
Bromoform	ug/m3	110	97.9	89	70-138	
Bromomethane	ug/m3	41.4	36.5	88	68-131	
Carbon disulfide	ug/m3	33	37.4	113	70-130	
Carbon tetrachloride	ug/m3	66.7	66.2	99	70-132	
Chlorobenzene	ug/m3	49	48.5	99	70-130	
Chloroethane	ug/m3	28.1	24.8	88	70-134	
Chloroform	ug/m3	52.1	51.7	99	70-130	
Chloromethane	ug/m3	22	20.2	92	68-131	
cis-1,2-Dichloroethene	ug/m3	42.1	42.9	102	70-136	
cis-1,3-Dichloropropene	ug/m3	48.2	54.9	114	70-130	
Cyclohexane	ug/m3	36.4	45.5	125	70-131	
Dibromochloromethane	ug/m3	90.6	89.1	98	70-134	
Dichlorodifluoromethane	ug/m3	52.5	47.8	91	70-130	
Dichlorotetrafluoroethane	ug/m3	74.4	62.9	85	70-130	
Ethanol	ug/m3	113	104	92	55-145	
Ethyl acetate	ug/m3	38.4	42.6	111	70-135	
Ethylbenzene	ug/m3	46.2	47.2	102	70-133	
Hexachloro-1,3-butadiene	ug/m3	130	111	85	70-132	
m&p-Xylene	ug/m3	92.4	102	110	70-134	
Methyl-tert-butyl ether	ug/m3	38.3	43.5	114	70-131	
Methylene Chloride	ug/m3	36.8	37.4	102	65-132	
n-Heptane	ug/m3	43.5	54.0	124	70-130	
n-Hexane	ug/m3	37.7	41.6	110	70-132	
Naphthalene	ug/m3	63.9	58.5	92	70-130	
o-Xylene	ug/m3	46	46.0	100	70-134	
Propylene	ug/m3	18.6	21.5	115	69-133	
Styrene	ug/m3	45.3	44.5	98	70-135	
Tetrachloroethene	ug/m3	72	62.3	87	70-134	
Tetrahydrofuran	ug/m3	31.3	38.2	122	70-140	
Toluene	ug/m3	40.2	48.5	121	70-136	
trans-1,2-Dichloroethene	ug/m3	42.3	43.4	103	70-134	
trans-1,3-Dichloropropene	ug/m3	48.4	47.3	98	70-131	
Trichloroethene	ug/m3	57.2	57.4	100	70-134	
Trichlorofluoromethane	ug/m3	60.3	51.2	85	63-130	
Vinyl acetate	ug/m3	38.7	46.1	119	70-139	
Vinyl chloride	ug/m3	27.2	26.1	96	70-132	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

SAMPLE DUPLICATE: 4484201

Parameter	Units	10628915001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	.58J		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	.67J		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	5.3J		25	
Benzene	ug/m3	ND	.29J		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	0.66	0.65	2	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.2	2.2	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	3.2	3.2	2	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	.66J		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	.49J		25	
n-Heptane	ug/m3	ND	ND		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: SAI.389-13
Pace Project No.: 92630655

SAMPLE DUPLICATE: 4484201

Parameter	Units	10628915001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	.28J		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	.89J		25	
Tetrachloroethene	ug/m3	ND	.62J		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	.51J		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1.2J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: SAI.389-13
Pace Project No.: 92630655

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SAI.389-13
Pace Project No.: 92630655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92630655001	**SSV-1**	TO-15	847335		
92630655002	**SSV-4**	TO-15	847092		
92630655003	**SSV-7**	TO-15	847092		

DC#_Title: ENV-FRM-MIN4-0113 v01_Sample Condition Upon Receipt (SCUR) - Air

Effective Date: 02/25/2022

WO# : 92630655

92630655

Air Sample Condition Upon Receipt

Client Name: Hart & Hickman

Project #:

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 6101 8739 2354 ☐ See Exception

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other:

Date & Initials of Person Examining Contents: 10-11-22 MI

				Comments:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-15 or APH) -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No		9
Containers Intact? (visual inspection/no leaks when pressurized)	☒ Yes	☐ No		10.
Media: (Air Can) Airbag				11. Individually Certified Cans? Y / N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No		12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946III)	☒ Yes	☐ No		13.

Gauge #: ☐ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☐ 10AIR17 ☐ 10AIR47 ☒ 10AIR48

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
SSV-1	1430	1281	-2.5	+10					
" -4	2459	2881	-4						
" -7	1136	3157	-4.5						
	887	2908	-25	-					
	2265	2879	-27	-					
	2849	2902	-25	-					
	3252	1334	-27	-					
	4044	3146	-27	-					
	4076	3300	-27	-					

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Date/Time: Field Data Required? ☐ Yes ☐ No

Comments/Resolution:

Project Manager Review: Date:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Qualtrax ID: 52723

Page 1 of 1

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-MIN4-0126 v00_Pending Log-in Checklist

Effective Date: 03/03/2022

WO# : 92630655

PM: TMC **Due Date: 10/18/22**

CLIENT: 92-Hart Hick

SR Tech M.I Date Initiated 10-11-22 PM MR2 Client Name Hart & Hickman Profile # 44640 Pink shelf ☒ #1 ☐ #2

Issue Type (check all that apply)*	Client Name/Project Name on containers (if no COC)
☒ COC Issue IRWO Date/Time Received 10-11-22 9:06	
EPIC Issue (check one) [ ] Client not in Epic [ ] Profile not in Epic [ ] Add acode [ ] Other	**Resolution** PM/Date

Sample Line Item	BP1U	BP2U	BP3U	BP3S	BP3N	AG1U	AG1H	AG3S	AGIT	JGFU	JGCU	BJFU	WPDU	VG9M	VG9H	GN	SP5T	DWC
	Check the box to the left to indicate that the container(s) received for line items - are identical to the container(s) documented for line item 1 for this																	
1	☒																	
2	☒																	
3	☒																	
4	☒																	
5	☒																	
6	☒																	
7	☒																	
8	☒																	
9	☒																	
10																		
11																		
12																		

Comments:

Logged in by (initial)_____ **Date**_____ **WO** _____

Qualtrax ID: 54330

Pace Analytical
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

53211

Page: 1 of 1

Section A Required Client Information:
Company: Hart & Hickman
Address: 2923 S Tryon St Ste 100
Email To: NOLEARY@HARTHICKMAN.COM
Phone: 704-887-4607 Fax:
Requested Due Date/TAT: Standard 5 day

Section B Required Project Information:
Report To: Same
Copy To:
Purchase Order No.:
Project Name: NWMS Payette
Project Number: SAI.359-13

Section C Invoice Information:
Attention: accountspayable@harthickman.com
Company Name: Hart & Hickman
Address: Same
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 44640

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WA

Reporting Units: ug/m³ X mg/m³ PPBV PPMV Other

Report Level: II. X III. IV. Other

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes: Tedlar Bag TB; 1 Liter Summa Can 1LC; 6 Liter Summa Can 6LC; Low Volume Puff LVP; High Volume Puff HVP; Other PM10

ITEM #	Section D Required Client Information: AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	SSV-1	ILC		10/7/22	1426	10/7/22	1440	-29	-5	1430	1281					X					001
2	SSV-4	ILC		↓	1454	↓	1509	-29	-5	2459	2881					X					002
3	SSV-7	ILC		↓	1517	↓	1527	-28	-5	1136	3157					X					003
4																					004
5																					005
6																					006
7																					007
8																					008
9																					009
10																					
11																					
12																					

92630655 Pace Lab ID

Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Adam Michalak / H&H	10/7/22	1710	Fed Ex		
			Matt Gi / Pace	10-1-22	9:06

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Adam Michalak
SIGNATURE of SAMPLER: Adam Michalak DATE Signed (MM / DD / YY): 10/7/22

SAMPLE CONDITIONS

Temp in °C	—			
Received on Ice	Y/N	Y/N	Y/N	Y/N
Custody Sealed Cooler	Y/N	Y/N	Y/N	Y/N
Samples Intact	Y/N	Y/N	Y/N	Y/N

ORIGINAL

Appendix E

EPA VISL Calculator Results

Commercial Air Inputs

Variable	Commercial Air Default Value	Site-Specific Value
AF_{gw} (Attenuation Factor Groundwater) unitless	0.001	0.001
AF_{ss} (Attenuation Factor Sub-Slab) unitless	0.03	0.03
AT_{com} (averaging time - composite worker)	365	365
ED_{com} (exposure duration - composite worker) yr	25	25
EF_{com} (exposure frequency - composite worker) day/yr	250	250
ET_{com} (exposure time - composite worker) hr	8	8
THQ (target hazard quotient) unitless	0.1	0.1
LT (lifetime) yr	70	70
TR (target risk) unitless	1.0E-06	1.0E-06

Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? ($C_{vp} > C_{i,a}$,Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? ($C_{hc} > C_{i,a}$,Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN($C_{ia,c}$,$C_{ia,nc}$) ($\mu g/m^3$)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) C_{sg},Target ($\mu g/m^3$)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) C_{gw},Target ($\mu g/L$)
Acetone	67-64-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-
Benzene, Methylpropyl	28729-54-6	Indeterminate	No	No (not volatile)	No (not volatile)	-		-	-
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	3.07E+02	NC	1.02E+04	7.08E+02
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	3.94E+01	NC	1.31E+03	1.35E+02
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	3.75E+00
Ethanol	64-17-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	4.91E+00	CA	1.64E+02	2.47E+01
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	1.75E+02	NC	5.84E+03	3.26E+00
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	3.07E+02	NC	1.02E+04	5.97E+00
Isopropanol	67-63-0	Yes	Yes	Yes	Yes	8.76E+01	NC	2.92E+03	4.49E+05
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	1.40E+06
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	Yes	Yes	1.31E+03	NC	4.38E+04	3.71E+05
Styrene	100-42-5	Yes	Yes	Yes	Yes	4.38E+02	NC	1.46E+04	6.61E+03
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	1.75E+01	NC	5.84E+02	3.80E+01
Toluene	108-88-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	1.24E+04
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	4.50E+03
Trichlorofluoromethane	75-69-4	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	1.83E+02
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	1.28E+02
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	2.62E+02

Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Is Target Groundwater Concentration < MCL? (C_{gw} < MCL?)	Pure Phase Vapor Concentration C_{vp} \ (16.3 ℃)\ (µg/m³)	Maximum Groundwater Vapor Concentration C_{hc} \ (µg/m³)	Temperature for Maximum Groundwater Vapor Concentration (℃)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m³)$^{-1}$	IUR Ref	RfC (mg/m³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 $C_{ia,c}$ (µg/m³)	Noncarcinogenic VISL THQ=0.1 $C_{ia,nc}$ (µg/m³)
	7.23E+08	1.01E+09	16.3	2.50	CRC	-		-		No	-	-
	-	-	16.3	-		-		-		No	-	-
--	1.47E+09	9.35E+08	16.3	1.30	CRC	-		7.00E-01	I	No	-	3.07E+02
--	1.17E+10	1.56E+09	16.3	8.10	CRC	-		9.00E-02	I	No	-	3.94E+01
--	3.15E+10	3.27E+09	16.3	-		-		1.00E-01	X	No	-	4.38E+01
	1.47E+08	1.24E+08	16.3	3.30	CRC	-		-		No	-	-
Yes (700)	5.48E+07	3.36E+07	16.3	0.80	CRC	2.50E-06	C	1.00E+00	I	No	4.91E+00	4.38E+02
--	2.48E+08	1.83E+08	16.3	1.05	CRC	-		4.00E-01	P	No	-	1.75E+02
--	7.01E+08	4.88E+08	16.3	1.10	CRC	-		7.00E-01	I	No	-	3.07E+02
--	1.47E+08	1.95E+08	16.3	2.00	CRC	-		2.00E-01	P	No	-	8.76E+01
--	3.51E+08	3.50E+08	16.3	1.40	CRC	-		5.00E+00	I	No	-	2.19E+03
--	1.07E+08	6.74E+07	16.3	1.20	CRC	-		3.00E+00	I	No	-	1.31E+03
No (100)	3.58E+07	2.05E+07	16.3	0.90	CRC	-		1.00E+00	I	No	-	4.38E+02
No (5)	1.65E+08	9.49E+07	16.3	-		2.60E-07	I	4.00E-02	I	No	4.72E+01	1.75E+01
No (1000)	1.41E+08	9.28E+07	16.3	1.10	CRC	-		5.00E+00	I	No	-	2.19E+03
No (200)	8.90E+08	6.28E+08	16.3	8.00	CRC	-		5.00E+00	I	No	-	2.19E+03
	5.93E+09	3.30E+09	16.3	-		-		-		No	-	-
--	1.36E+07	8.20E+06	16.3	0.90	CRC	-		6.00E-02	I	No	-	2.63E+01
--	1.60E+07	9.88E+06	16.3	1.00	CRC	-		6.00E-02	I	No	-	2.63E+01
Yes (10000)	4.56E+07	1.77E+07	16.3	-		-		1.00E-01	I	No	-	4.38E+01

Commercial Vapor Intrusion Risk

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} \ ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ \ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)
Acetone	67-64-1	133	-	-
Benzene, Methylpropyl	28729-54-6	2.2	-	-
Carbon Disulfide	75-15-0	17.1	5.13E-01	4.18E-02
Chloromethane	74-87-3	1.1	3.30E-02	2.69E-03
Dichlorodifluoromethane	75-71-8	53.3	1.60E+00	1.30E-01
Ethanol	64-17-5	261	-	-
Ethylbenzene	100-41-4	2.6	7.80E-02	6.36E-03
Heptane, N-	142-82-5	18.8	5.64E-01	4.60E-02
Hexane, N-	110-54-3	4.1	1.23E-01	1.00E-02
Isopropanol	67-63-0	34.2	1.03E+00	8.37E-02
Methyl Ethyl Ketone (2-Butanone)	78-93-3	15.2	4.56E-01	3.72E-02
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	8.4	2.52E-01	2.05E-02
Styrene	100-42-5	2	6.00E-02	4.89E-03
Tetrachloroethylene	127-18-4	5.5	1.65E-01	1.35E-02
Toluene	108-88-3	25.6	7.68E-01	6.26E-02
Trichloroethane, 1,1,1-	71-55-6	125	3.75E+00	3.06E-01
Trichlorofluoromethane	75-69-4	12.9	-	-
Trimethylbenzene, 1,2,4-	95-63-6	6.4	1.92E-01	1.57E-02
Trimethylbenzene, 1,3,5-	108-67-8	2.8	8.40E-02	6.85E-03
Xylenes	1330-20-7	18.6	5.58E-01	4.55E-02
**Sum*		-	-	-

Commercial Vapor Intrusion Risk

VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR ($ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (℃)\ for Groundwater Vapor Concentration	Mutagen?
-	-	-	-		-		16.3	No
-	-	-	-		-		16.3	No
-	1.17E-04	1.67E-04	-		7.00E-01	I	16.3	No
-	7.53E-06	8.37E-05	-		9.00E-02	I	16.3	No
-	3.65E-04	3.65E-03	-		1.00E-01	X	16.3	No
-	-	-	-		-		16.3	No
1.59E-08	1.78E-05	1.78E-05	2.50E-06	C	1.00E+00	I	16.3	No
-	1.29E-04	3.22E-04	-		4.00E-01	P	16.3	No
-	2.81E-05	4.01E-05	-		7.00E-01	I	16.3	No
-	2.34E-04	1.17E-03	-		2.00E-01	P	16.3	No
-	1.04E-04	2.08E-05	-		5.00E+00	I	16.3	No
-	5.75E-05	1.92E-05	-		3.00E+00	I	16.3	No
-	1.37E-05	1.37E-05	-		1.00E+00	I	16.3	No
3.50E-09	3.77E-05	9.42E-04	2.60E-07	I	4.00E-02	I	16.3	No
-	1.75E-04	3.51E-05	-		5.00E+00	I	16.3	No
-	8.56E-04	1.71E-04	-		5.00E+00	I	16.3	No
-	-	-	-		-		16.3	No
-	4.38E-05	7.31E-04	-		6.00E-02	I	16.3	No
-	1.92E-05	3.20E-04	-		6.00E-02	I	16.3	No
-	1.27E-04	1.27E-03	-		1.00E-01	I	16.3	No
1.94E-08	-	*8.98E-03*	-		-		-	

Chemical Properties

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	MW	MW Ref	S (mg/L)	S Ref	MCL (ug/L)	HLC (atm-m³/mole)	Henry's Law Constant (unitless)	Henry's Law Constant (16.3 ℃) (unitless)	Henry's Law Constant Used in Calcs (unitless)
Acetone	67-64-1	Yes	No	58.08	PHYSPROP	1.00E+06	PHYSPROP	-	3.50E-05	1.43E-03	1.01E-03	1.01E-03
Benzene, Methylpropyl	28729-54-6	Indeterminate	No	-		-		-	-	-	-	-
Carbon Disulfide	75-15-0	Yes	Yes	76.14	PHYSPROP	2.16E+03	PHYSPROP	-	1.44E-02	5.89E-01	4.33E-01	4.33E-01
Chloromethane	74-87-3	Yes	Yes	50.49	PHYSPROP	5.32E+03	PHYSPROP	-	8.82E-03	3.61E-01	2.93E-01	2.93E-01
Dichlorodifluoromethane	75-71-8	Yes	Yes	120.91	PHYSPROP	2.80E+02	PHYSPROP	-	3.43E-01	1.40E+01	1.17E+01	1.17E+01
Ethanol	64-17-5	Yes	No	46.07	PHYSPROP	1.00E+06	PHYSPROP	-	5.00E-06	2.04E-04	1.24E-04	1.24E-04
Ethylbenzene	100-41-4	Yes	Yes	106.17	PHYSPROP	1.69E+02	PHYSPROP	700	7.88E-03	3.22E-01	1.99E-01	1.99E-01
Heptane, N-	142-82-5	Yes	Yes	100.21	PHYSPROP	3.40E+00	PHYSPROP	-	2.00E+00	8.18E+01	5.37E+01	5.37E+01
Hexane, N-	110-54-3	Yes	Yes	86.18	PHYSPROP	9.50E+00	PHYSPROP	-	1.80E+00	7.36E+01	5.14E+01	5.14E+01
Isopropanol	67-63-0	Yes	Yes	60.10	PHYSPROP	1.00E+06	PHYSPROP	-	8.10E-06	3.31E-04	1.95E-04	1.95E-04
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	72.11	PHYSPROP	2.23E+05	PHYSPROP	-	5.69E-05	2.33E-03	1.57E-03	1.57E-03
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	100.16	PHYSPROP	1.90E+04	PHYSPROP	-	1.38E-04	5.64E-03	3.55E-03	3.55E-03
Styrene	100-42-5	Yes	Yes	104.15	PHYSPROP	3.10E+02	PHYSPROP	100	2.75E-03	1.12E-01	6.63E-02	6.63E-02
Tetrachloroethylene	127-18-4	Yes	Yes	165.83	PHYSPROP	2.06E+02	PHYSPROP	5	1.77E-02	7.24E-01	4.60E-01	4.60E-01
Toluene	108-88-3	Yes	Yes	92.14	PHYSPROP	5.26E+02	PHYSPROP	1000	6.64E-03	2.71E-01	1.76E-01	1.76E-01
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	133.41	PHYSPROP	1.29E+03	PHYSPROP	200	1.72E-02	7.03E-01	4.87E-01	4.87E-01
Trichlorofluoromethane	75-69-4	Yes	No	137.37	PHYSPROP	1.10E+03	PHYSPROP	-	9.70E-02	3.97E+00	3.00E+00	3.00E+00
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	120.20	PHYSPROP	5.70E+01	PHYSPROP	-	6.16E-03	2.52E-01	1.44E-01	1.44E-01
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	120.20	PHYSPROP	4.82E+01	PHYSPROP	-	8.77E-03	3.59E-01	2.05E-01	2.05E-01
Xylenes	1330-20-7	Yes	Yes	106.17	PHYSPROP	1.06E+02	PHYSPROP	10000	6.63E-03	2.71E-01	1.67E-01	1.67E-01

Chemical Properties

H` and HLC Ref	Enthalpy of vaporization @ groundwater temperature $\Delta H_{v,gw}$ \ (cal/mol)	Enthalpy of vaporization at the normal boiling point $\Delta H_{v,b}$ \ (cal/mol)	$\Delta H_{v,b}$ \ Ref	Normal Boiling Point BP (K)	BP Ref	Exponent for $\Delta H_{v,gw}$	Vapor Pressure VP (mm Hg)	VP Ref	Vapor Pressure VP (16.3 ℃)\ (mm Hg)	Critical Temperature T_c \ (K)	T_c \ Ref	Lower Explosive Limit LEL (% by volume)	LEL Ref
PHYSPROP	7480.34	6955.07	CRC	329.15	PHYSPROP	0.36	2.32E+02	PHYSPROP	1.58E+02	5.08E+02	CRC	2.50	CRC
	-	-		-		0.30	-		-	-		-	
PHYSPROP	6634.80	6391.01	CRC	319.15	PHYSPROP	0.31	3.59E+02	PHYSPROP	2.56E+02	5.52E+02	CRC	1.30	CRC
PHYSPROP	4673.40	5114.72	CRC	249.15	PHYSPROP	0.33	4.30E+03	PHYSPROP	3.39E+03	4.16E+02	CRC	8.10	CRC
PHYSPROP	4182.05	4804.02	CRC	243.35	PHYSPROP	0.35	4.85E+03	PHYSPROP	3.92E+03	3.85E+02	CRC	-	
PHYSPROP	10440.54	9216.06	CRC	351.35	PHYSPROP	0.39	5.93E+01	PHYSPROP	3.49E+01	5.15E+02	CRC	3.30	CRC
PHYSPROP	10082.46	8501.43	CRC	409.25	PHYSPROP	0.37	9.60E+00	PHYSPROP	5.76E+00	6.17E+02	CRC	0.80	CRC
EPI	8877.51	7593.21	CRC	371.65	PHYSPROP	0.39	4.60E+01	PHYSPROP	2.93E+01	5.40E+02	CRC	1.05	CRC
EPI	7659.61	6895.32	CRC	341.85	PHYSPROP	0.38	1.51E+02	PHYSPROP	1.03E+02	5.08E+02	CRC	1.10	CRC
PHYSPROP	11000.67	9524.38	CRC	355.45	PHYSPROP	0.40	4.54E+01	PHYSPROP	2.60E+01	5.08E+02	CRC	2.00	CRC
PHYSPROP	8342.86	7480.88	CRC	352.65	PHYSPROP	0.37	9.06E+01	PHYSPROP	5.93E+01	5.37E+02	CRC	1.40	CRC
EPI	9733.23	8243.31	CRC	389.65	PHYSPROP	0.39	1.99E+01	PHYSPROP	1.21E+01	5.75E+02	CRC	1.20	CRC
PHYSPROP	10996.41	9249.52	CRC	418.15	PHYSPROP	0.37	6.40E+00	PHYSPROP	3.66E+00	6.35E+02	CRC	0.90	CRC
PHYSPROP	9492.52	8288.72	CRC	394.45	PHYSPROP	0.35	1.85E+01	PHYSPROP	1.14E+01	6.20E+02	YAWS	-	
PHYSPROP	9084.81	7930.21	CRC	383.75	PHYSPROP	0.36	2.84E+01	PHYSPROP	1.79E+01	5.92E+02	CRC	1.10	CRC
PHYSPROP	7816.15	7136.71	CRC	347.15	PHYSPROP	0.36	1.24E+02	PHYSPROP	8.34E+01	5.45E+02	YAWS	8.00	CRC
PHYSPROP	6087.08	5999.04	CRC	296.85	PHYSPROP	0.35	8.03E+02	PHYSPROP	5.90E+02	4.71E+02	CRC	-	
PHYSPROP	11618.58	9368.80	TOXNET	442.45	PHYSPROP	0.39	2.10E+00	PHYSPROP	1.16E+00	6.49E+02	CRC	0.90	CRC
PHYSPROP	11594.35	9321.00	TOXNET	437.85	PHYSPROP	0.39	2.48E+00	PHYSPROP	1.38E+00	6.37E+02	CRC	1.00	CRC
PHYSPROP	10132.81	8523.00	Weast	411.65	PHYSPROP	0.38	7.99E+00	PHYSPROP	4.78E+00	6.20E+02	YAWS	-	

Chemical Properties
Inhalation Unit Risk Toxicity Metadata

Chemical	CAS Number	Chemical Type	IUR $(ug/m^3)^{-1}$	Toxicity Source	EPA Cancer Classification	IUR Tumor Type	IUR Target Organ	IUR Species	IUR Method
Acetone	67-64-1	Organics	-						
Carbon Disulfide	75-15-0	Organics	-						
Chloromethane	74-87-3	Organics	-						
Dichlorodifluoromethane	75-71-8	Organics	-						
Ethylbenzene	100-41-4	Organics	2.5E-6	CALEPA	NA	NA	NA	NA	NA
Heptane, N-	142-82-5	Organics	-						
Hexane, N-	110-54-3	Organics	-						
Isopropanol	67-63-0	Organics	-						
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Organics	-						
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Organics	-						
Styrene	100-42-5	Organics	-						
Tetrachloroethylene	127-18-4	Organics	2.6E-7	IRIS	likely to be carcinogenic in humans by all routes of exposure	Hepatocellular adenomas or carcinomas	liver	mouse	Multistage model with linear extrapolation from the point of departure (BMCL10), followed by extrapolation to humans using the PBPK model of Chiu and Ginsberg (2011)
Toluene	108-88-3	Organics	-						
Trichloroethane, 1,1,1-	71-55-6	Organics	-						
Trichlorofluoromethane	75-69-4	Organics	-						
Trimethylbenzene, 1,2,4-	95-63-6	Organics	-						
Trimethylbenzene, 1,3,5-	108-67-8	Organics	-						
Xylenes	1330-20-7	Organics	-						

Inhalation Unit Risk Toxicity Metadata

IUR Route	IUR Treatment Duration	IUR Study Reference	IUR Notes
NA	NA	NA	NA
NA	NA	JISA 1993	NA

Chemical Properties
Inhalation Chronic Toxicity Metadata

Chemical	CAS Number	Chemical Type	Chronic RfC (mg/m^3)	Toxicity Source	Chronic RfC Basis	Chronic RfC Confidence Level	Chronic RfC Critical Effect	Chronic RfC Target Organ	Chronic RfC Modifying Factor	Chronic RfC Uncertainty Factor
Acetone	67-64-1	Organics	-							
Carbon Disulfide	75-15-0	Organics	0.7	IRIS	BMC 10 (HEC): 19.7 mg/m3	Medium	Peripheral nervous system dysfunction	Neurological	1	30
Chloromethane	74-87-3	Organics	0.09	IRIS	NOAEL (HEC): 94.6 mg/m3	Medium	Cerebellar lesions	Brain	1	1000
Dichlorodifluoromethane	75-71-8	Organics	0.1	SCREEN	LOAEL-HEC: 985 mg/m3	Low	Decreased body weight gain	Whole body	NA	10000
Ethylbenzene	100-41-4	Organics	1	IRIS	NOAEL (HEC): 434 mg/m3	Low	Developmental toxicity	Developmental	1	300
Heptane, N-	142-82-5	Organics	0.4	PPRTV	BDCL-1SD (HEC): 1170 mg/m3	Low	Loss of hearing sensitivity	Ears	NA	3000
Hexane, N-	110-54-3	Organics	0.7	IRIS	BMCL (HEC): 215 mg/m3	Medium	Peripheral neuropathy (decreased MCV at 12 weeks)	Neurological	1	300
Isopropanol	67-63-0	Organics	0.2	PPRTV	LOAEL-HEC: 221 mg/m3	Medium	Decreased absolute and relative testes weights	Testes	NA	1000
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Organics	5	IRIS	LEC (HEC): 1517 mg/m3	Medium	Developmental toxicity (skeletal variations)	Developmental	1	300
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Organics	3	IRIS	NOAEL (HEC): 1026 mg/m3	Low-medium	Reduced fetal body weight, skeletal variations, and increased fetal death in mice, and skeletal variations in rats.	Developmental	1	300
Styrene	100-42-5	Organics	1	IRIS	NOAEL (HEC): 34 mg/m3	Medium	Central nervous system effects	Neurological	1	30

Chemical Properties
Inhalation Chronic Toxicity Metadata

Chronic RfC Species	Chronic RfC Route	Chronic RfC Study Duration	Chronic RfC Study Reference	Chronic RfC Notes
Human	NA	NA	Johnson et al. 1983	NA
Mouse	NA	NA	Landry et al. 1983, Landry et al. 1985	NA
Guinea pig, Rabbit, Dog, and Monkey	Inhalation	8 hr/d, 5 d/wk, 6 weeks	Prendergast et al. 1967	NA
Rabbit and Rat	NA	NA	Andrew et al. 1981, Hardin et al. 1981	NA
Rat	Inhalation	6 hr/d, 28 days	Simonsen and Lund 1995	NA
Rat	NA	NA	Huang et al. 1989	NA
Mouse	Inhalation	6 hr/d, 5 d/wk, at least 78 weeks	Burleigh-Flayer et al. 1997	NA
Mouse	NA	NA	Schwetz et al. 1991	NA
Mouse and Rat	NA	NA	Tyl et al. 1987	NA
Human	NA	NA	Mutti et al. 1984	NA

Chemical Properties
Inhalation Chronic Toxicity Metadata

Chemical	CAS Number	Chemical Type	Chronic RfC (mg/m^3)	Toxicity Source	Chronic RfC Basis	Chronic RfC Confidence Level	Chronic RfC Critical Effect	Chronic RfC Target Organ	Chronic RfC Modifying Factor	Chronic RfC Uncertainty Factor
Tetrachloroethylene	127-18-4	Organics	0.04	IRIS	LOAEL3: Multiple	medium	Neurotoxicity (color vision) (reaction time, cognitive effects)	Nervous System	1	1000
Toluene	108-88-3	Organics	5	IRIS	NOAEL (ADJ): 46 mg/m3	High	Neurological effects in occupationally-exposed workers	Neurological	1	10
Trichloroethane, 1,1,1-	71-55-6	Organics	5	IRIS	NOEL (HEC): 1553 mg/m3	Medium	Histopathologic changes	Liver	1	100
Trichlorofluoromethane	75-69-4	Organics	-							
Trimethylbenzene, 1,2,4-	95-63-6	Organics	0.06	IRIS	BMCL1SD (HEC): 18.15 mg/m3	Low to medium	Decreased pain sensitivity	Nervous system	1	300
Trimethylbenzene, 1,3,5-	108-67-8	Organics	0.06	IRIS	BMCL1SD (HEC): 18.15 mg/m3	Low to medium	Decreased pain sensitivity	Nervous system	1	300
Xylenes	1330-20-7	Organics	0.1	IRIS	NOAEL (HEC): 39 mg/m3	Medium	Impaired motor coordination (decreased rotarod performance)	Nervous	1	300

Chemical Properties
Inhalation Chronic Toxicity Metadata

Chronic RfC Species	Chronic RfC Route	Chronic RfC Study Duration	Chronic RfC Study Reference	Chronic RfC Notes
human	NA	NA	Echeverria et al. (1995) and Cavalleri et al. (1994)	NA
Human	NA	NA	Abbate et al. 1993, Boey et al. 1997, Cavalleri et al. 2000, Eller et al. 1999, Foo et al. 1990, Murata et al. 1993, Nakatsuka et al. 1992, Neubert et al. 2001, Vrca et al. 1995, and Zavalic et al. 1998a	NA
Rat and Mouse	NA	NA	Quast et al. 1988, 1984; McNutt et al. 1975	NA
Rat	NA	NA	Korsak and Rydzynski 1996	NA
Rat	NA	NA	Korsak and Rydzynski 1996	NA
Rat	NA	NA	Korsak et al. 1994	NA

Phase II ESA
Northwest Motorsports

400 River Road
Puyallup, Washington

Sonic Job No. Corporate-009997-00026-001
H&H Job No. SAI-384-13
November 5, 2021

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Phase II Environmental Site Assessments
Northwest Motorsports
400 River Road
Puyallup, Washington
Sonic Job No. Corporate-009997-00026-001
H&H Job No. SAI-384-13

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1.0 Introduction

Hart & Hickman, PC (H&H) performed a Phase II Environmental Site Assessment (ESA) on the Northwest Motorsports automotive sales and service facility located at 400 River Road in Puyallup, Pierce County, Washington (Site or subject Site). A Site location map is provided as Figure 1.

The Site is comprised of two parcels of land totaling approximately 3.2-acres (Parcel IDs 0420214807 and 0420281170) and is improved with two commercial buildings that are currently leased by Northwest Motorsport (NWMS) for automotive sales and service operations. The approximately 17,000 square foot (sq ft) two-story main Site building was originally constructed in 1953 and was expanded in the late 1970s and mid-1980s. An approximately 3,600-sq ft service and tire shop, referred to as the Lower Shop, is located to the southwest of the main Site building. The Lower Shop building was constructed in 1966 and was expanded in the late 1970s. Historical automotive sales and service activities have been performed at the Site since at least 1959 when the Site was utilized as Grant's Chevrolet, Inc. but automotive service activities likely date back to Site development in the early
1950s.

A Phase I ESA was completed by others in 2020 identified the following recognized environmental conditions (RECs) in connection with the Site:

- Historical automotive service activities since at least the 1970s, which were known to use and store hazardous chemicals and petroleum products.

- Former in-ground hydraulic lifts in the service departments.

Additionally, the following potential environmental concerns were identified with the Site:

- A catch basin located adjacent to the southeast corner of the main building, which would be pumped out to another catch basin in close proximity during significant rain events.

- Surrounding properties used for automotive sales and service activities, including the property to the east, which was listed as a gas station in the early 1970s.

2.0 Phase II ESA Activities

Based on the results of the Phase I ESA, H&H completed Phase II ESA activities on October 22, 2021. The Phase II ESA activities were performed in general accordance with the most recent version of the United States Environmental Protection Agency (USEPA) Region IV Science and Ecosystem Support (SESD) *Field Branches Quality System and Technical Procedures* guidance. Photographs of the Site and the assessment activities are provided in Appendix A.

2.1 Utility Clearance and GPR Survey Activities

Prior to conducting Phase II ESA activities, H&H contacted Washington 811, the public utility locator, to mark subsurface utilities located on the Site. H&H also contracted with Ground Penetrating Radar Services (GPRS), a private utility locator to screen proposed boring locations for subgrade utilities which were not identified by the public locator.

In addition, prior to advancing the soil borings with mechanical drilling equipment, H&H directed the drilling contractor, Steadfast Services Northwest, LLC (Steadfast) to hand clear each boring to a depth of approximately 5 ft below ground surface (ft bgs) with a decontaminated stainless-steel hand auger to further screen boring locations for the potential presence of subsurface utilities prior to utilizing mechanical drilling techniques.

2.2 Soil Sampling Activities

H&H and Steadfast advanced 5 soil borings (SB-1 through SB-5) adjacent to the wash bay drain, oil/water separator (OWS), metal scrap bin, and aboveground hydraulic lifts at the Site. The soil boring locations are depicted on Figure 3 and are described below.

- Soil boring SB-1 was advanced to a depth of 15 ft bgs adjacent to the wash bay drain on the southern portion of the Site;

- SB-2 was advanced to a depth of 15 ft bgs adjacent to the west of the OWS located on the southern portion of the Site;

- Soil boring SB-3 was advanced to a depth of 15 ft bgs in an area of heavy staining in the southern service department in the main Site building;

- Soil boring SB-4 was advanced to a depth approximately 15 ft bgs to the south of the northern service department in the main Site building; and

- Soil boring SB-5 was advanced to 4.5 ft bgs in the vicinity of heavy staining in the northern service department in the main Site building.

Once soil borings were cleared to 5 ft bgs with a hand auger (where possible) a track-mounted Geoprobe direct-push technology (DPT) drill rig was used to advance the soil borings to completion depths between 4.5 and 15 ft bgs. Soil boring SB-5 was advanced to 4.5 ft bgs using a hand auger where refusal was encountered. During boring advancement, soil was recovered from either the hand auger bucket or acetate-lined macrocore sampler and logged for lithological description and field screened for the visual presence of staining and the presence of organic vapors using a calibrated photoionization detector (PID). Based on field screening results, H&H collected at least one soil sample from each boring for laboratory analysis. If H&H did not observe indications of potential impacts based on field screening results, a soil sample was collected from the depth interval with the highest potential for impacts based on the source area.

Soil was primarily silty sand from below surface covering to a depth of approximately 3 ft bgs. From approximately 3 ft bgs to 9 ft bgs, poorly graded loose sand was encountered. The poorly graded sand was underlain by well graded fine to course grained sand to depth of 15 ft bgs which was the maximum depth encountered during the assessment activities. Soil were generally wet at depth between 6 ft and 9 ft bgs and may be indicative of water table. Boring logs with lithological descriptions and field screening results are provided in Appendix B.

Following collection, the soil samples were placed in dedicated laboratory-supplied sample containers and labeled with the sample identification, date, and requested analysis. Soil samples collected during the Phase II ESA activities were submitted to Eurofins USA (Eurofins) under standard chain-of-custody protocols for analysis of volatile organic compounds (VOCs) by US EPA Method 8260D, polynuclear aromatic hydrocarbons (PAHs) by US EPA Method 8270E, and total petroleum hydrocarbons (TPH) by Northwest Volatile Petroleum Products (NWTPH) Method.

2.3 Soil Analytical Results

Soil analytical results (SB-1 to SB-5) were compared to the State of Washington Department of Ecology (WDE) Cleanup Levels and Risk Calculation (CLARC), dated February 2021, for Unrestricted Use and Commercial/Industrial Use Method A Soil Cleanup Levels (SCLs) and Protection of Groundwater screening levels. Soil analytical results are summarized on Table 1. The laboratory analytical data report is included in Appendix C.

Laboratory analytical results indicate the presence of tetrachloroethene (PCE) in the soil samples collected from SB-3 (1.3 mg/kg) and SB-5 (1.8 mg/kg) at concentrations above the Unrestricted Use and Commercial/Industrial Use SCLs and the Protection of Groundwater screening levels. No other VOCs were detected at concentrations above Unrestricted Use SCLs, Commercial/Industrial Use SCLs or the Protection of Groundwater screening levels.

TPH residual range organics (TPH-RRO) was detected at a concentration of 4,900 mg/kg which is above the Unrestricted Use and Commercial/Industrial Use SCLs and the Protection of Groundwater screening levels in the soil sample collected from SB-5. No other TPH factions were detected in the soil samples collected during the Phase II ESA activities.

PAHs at concentrations above Unrestricted Use SCLs, Commercial/Industrials SCLs, or Protective of Groundwater screening levels in any of the soil samples collected during the Phase II ESA activities.

2.6 Quality Assurance/Quality Control

Non-dedicated sampling equipment was used during the Phase II ESA activities, including DPT tooling and hand auger, which were decontaminated prior to use at each boring or sampling location or following exposure to soil or groundwater using Liquinox detergent and rinsing with fresh tap water. H&H and the drilling subcontractors wore nitrile gloves while handling soil samples and collected soil samples in laboratory-provided containers and placed on ice immediately upon collection. In addition, a trip blank accompanied the VOC samples to ensure that outside contaminants were not introduced during transport. No analytes were detected in the trip blank sample.

2.7 Investigation Derived Waste

Upon completion of the assessment activities, the soil borings were properly abandoned using hydrated bentonite and capped with concrete. Soil cuttings generated during soil sampling activities were spread on-Site due to lack of obvious impacts.

3.0 Phase II Conclusions and Recommendations

Based on the results of the soil assessment activities completed at the Site, H&H has concluded the following:

- PCE is present in soil below the northern and southern service departments in the main Site building at concentrations above Unrestricted Use SCLs, Commercial/Industrial SCLs, and Protective of Groundwater screening levels.

- TPH-RRO is present at a concentration above Unrestricted Use and Commercial/Industrial SCLs below the northern service department of the main Site building.

- Groundwater appears to be present at shallow depths of less than 10 ft bgs at the Site.

- The presence of PCE at concentrations above the Protective of Groundwater screening level and in close proximity to the water table, it is possible that groundwater may be impacted with PCE.

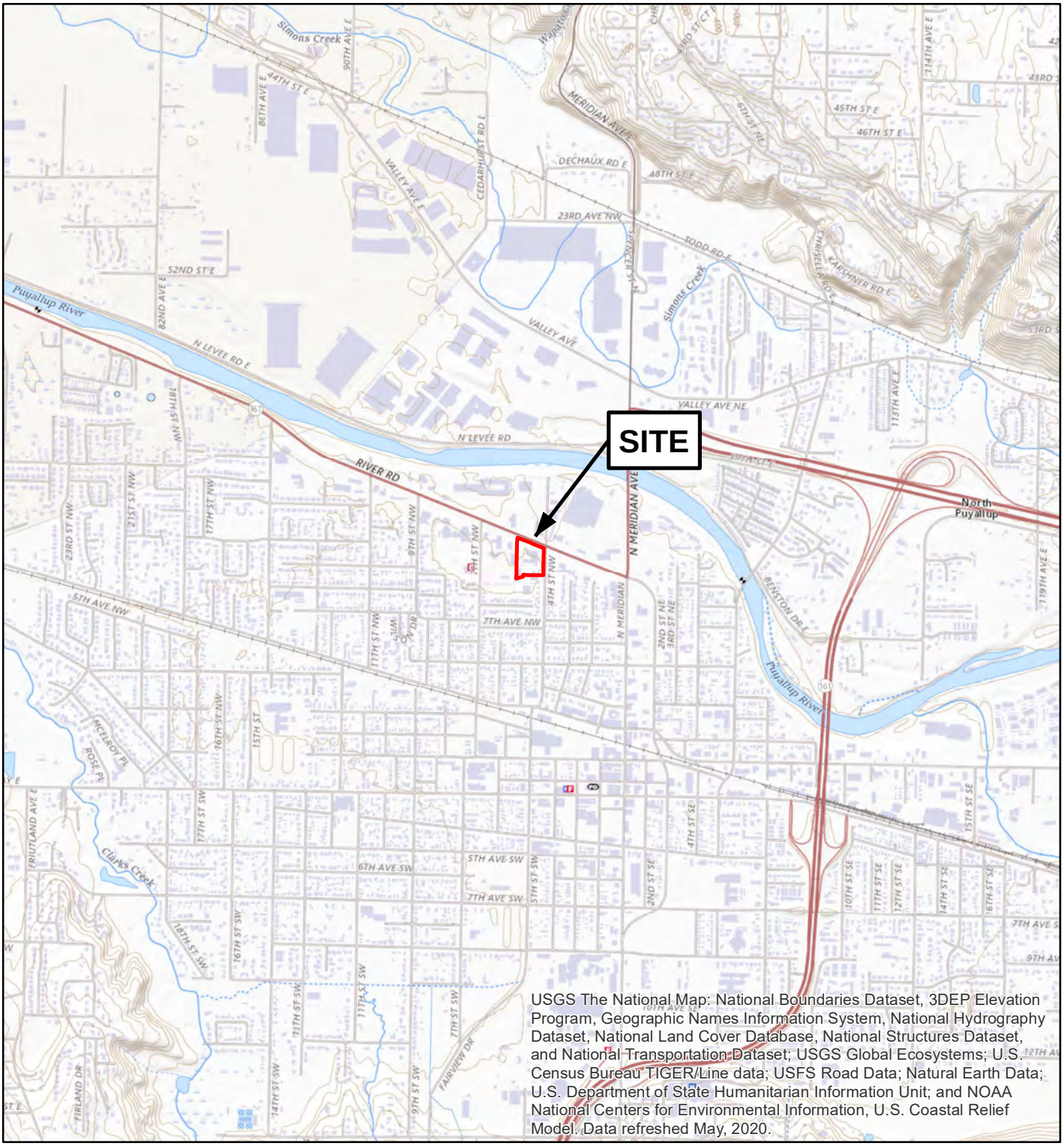
- PCE and daughter compounds such as trichloroethene (TCE) vapors may be present in Site soil and may be a vapor intrusion concern to the interior portions of the Site buildings.

In accordance with Washington Administrative Code (WAC) 173-340.300 indicates that owners or operators with knowledge of a release of a potentially hazardous substance to the environment should report the release to WDE within 90 days. As such, H&H recommends that the presence of impacts be reported in a timely manner. However, because PCE is present in soil below the building slab, H&H recommends that additional assessment activities be completed in a timely manner, to evaluate the potential for the migration of PCE and daughter compound vapors to the interior portions of the Site buildings.

Table 1
Summary of Soil Analytical Data
Northwest Motorsports
400 River Road
Puyallup, Washington
H&H Project No. SAI-384.13

Sample Location	Wash Bay Drain	OWS	South Shop Aboveground Lift	Metal Scrap Bin	North Shop Aboveground Lift	Regulatory Screening Levels		
Sample ID	SB-1 (2-3)	SB-2 (4-5)	SB-3 (2-3)	SB-4 (2-3)	SB-5 (1-2)	Method A Soil Cleanup Levels		Protective of Groundwater (Vadose Zone)[1]
Depth (ft bgs)	2-3	4-5	2-3	2-3	1-2	Unrestricted Use[1]	Industrial/ Commercial[1]	
Sample Date	10/22/2021							
PID Reading (ppm)	0.2	0.3	3.9	0.8	0.5			
TPH (NWTPH) mg/kg								
Gasoline	<4.1	<7.1	10 J	<4.6	4.7 J	30	30	NE
Diesel Range Organics (C_{10}-C_{25})	34	<5.9	84	<4.7	1,700	2,000	2,000	NE
Residual Range Organics (C_{25}-C_{36})	280	<7.1	240	<5.6	4,900	2,000	2,000	NE
VOCs (8260D) mg/kg								
Tetrachloroethene	<0.040	<0.070	**1.3**	<0.045	**1.8**	0.05	0.05	0.05
1,1,1-Trichloroethane	<0.040	<0.069	<0.040	<0.044	0.10 J	2.0	2.0	1.5
Toluene	<0.031	<0.053	<0.031	<0.034	0.038 J	7.0	7.0	4.5
1,2,4-Trimethylbenzene	<0.073	<0.093	0.12 J	<0.060	<0.056	NE	NE	1.3
PAHs (8270E) mg/kg								
Naphthalene	<0.024	<0.0030	0.0079 J	<0.0024	<0.012	5.0	5.0	4.5
2-Methylnaphthalene	<0.035	<0.0044	0.013	<0.0035	<0.017	NE	NE	1.7
1-Methylnaphthalene	<0.025	<0.0031	0.0088 J	<0.0025	<0.012	NE	NE	0.082
Phenanthrene	<0.041	<0.0051	0.014	<0.0041	<0.020	NE	NE	NE
Anthracene	<0.022	<0.0028	0.0022 J	<0.0022	<0.011	NE	NE	2,300
Fluoranthene	<0.028	<0.0035	0.0050 J	<0.0028	<0.014	NE	NE	630
Pyrene	<0.043	<0.0054	0.01 J	<0.0043	<0.021	NE	NE	650
Benzo[a]anthracene	<0.024	<0.0030	0.0037 J	<0.0024	<0.012	0.1*	2*	3.9*
Chrysene	<0.017	<0.0021	0.0045 J	<0.0017	<0.0084	0.1*	2*	3.9*
Benzo[b]fluoranthene	<0.039	<0.0050	0.0045 J	<0.0039	<0.019	0.1*	2*	3.9*
Benzo[g,h,i]perylene	<0.026	<0.0033	0.0037 J	<0.0026	<0.013	NE	NE	NE

Notes:
(1) State of Washington Department of Ecology Cleanup Levels and Risk Calculation (CLARC), dated February 2021, for Method A Soil Cleanup Levels and Protective of Groundwater (Vadose Zone).
Orange highlighting indicates concentration exceeds the Method A Residential and Industrial Properties Soil Cleanup Levels.
Blue highlighting and bolding indicates the concentration exceeds both the Method A Soil Cleanup Levels and the Protective of Groundwater (Vadose Zone) Standard.
* Soil cleanup level is based upon the total toxic equivalent concentration of carcinogenic PAHs
Only compounds detected in at least one sample are shown above; refer to laboratory report for full list of analyzed compounds
Results shown in milligrams per kilogram (mg/kg).
VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbons
ft bgs = feet below ground surface; NE = not established; OWS = oil-water separator; ppm = parts per million
J = compound detected above the method detection limit but below the reporting limit and is considered an estimated value; NE= not established



N

0 2,000 4,000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

PUYALLUP, WASHINGTON 2020

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE

SITE LOCATION MAP

PROJECT

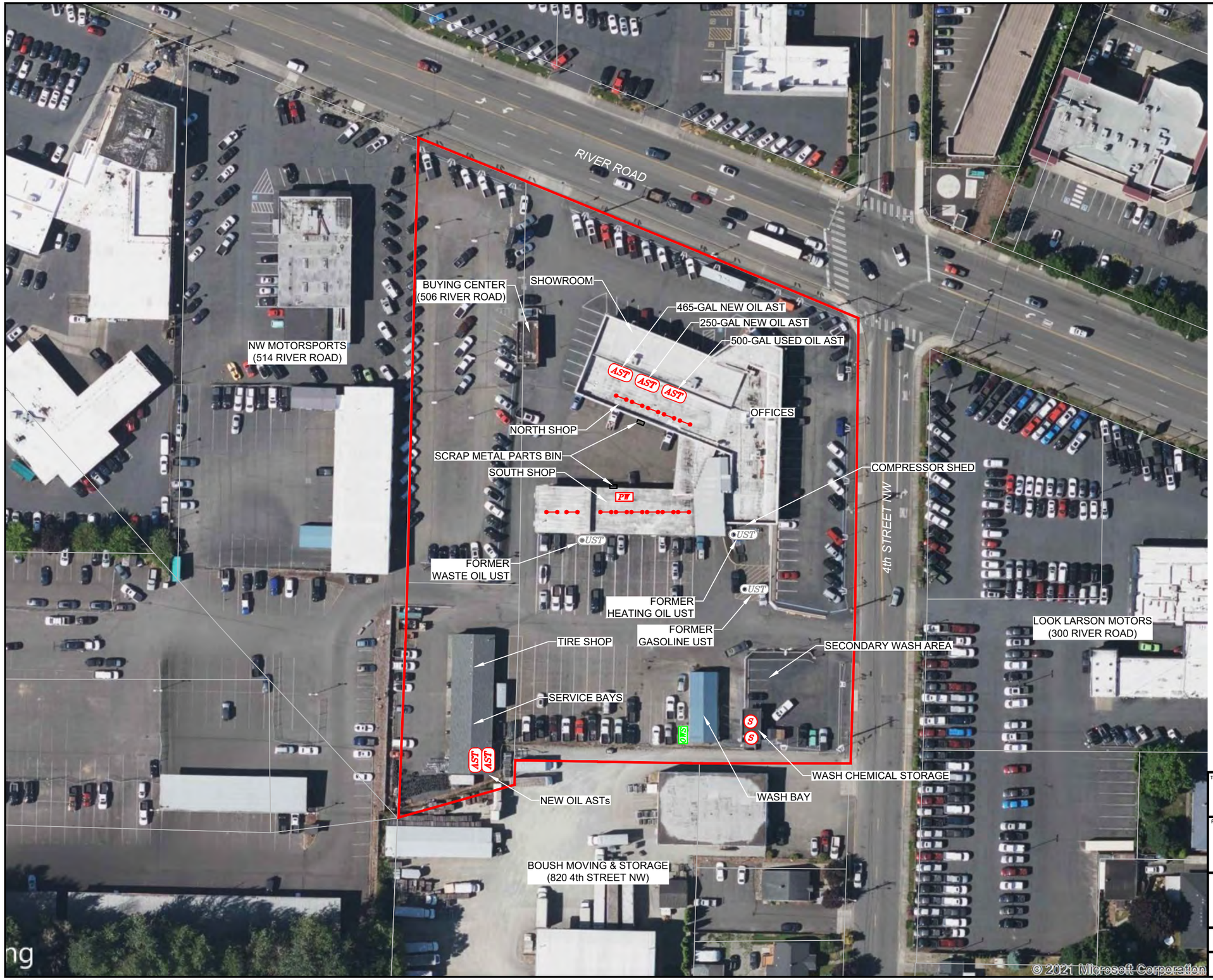
NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

2923 South Tryon Street - Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)
License # C-1269 / # C-245 Geology

DATE: 10-26-21	REVISION NO: 0
JOB NO: SAI-384-13	FIGURE NO: 1

Path: S:\AA-Master Projects\Sonic Automotive - SAI\SAI-384 Project Octane\Task 13 - Northwest Motorsports Puyallup WA - Phase II ESA\Figures\Figure-1.mxd



LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- AST — ABOVEGROUND STORAGE TANK (AST)
- UST — FORMER UNDERGROUND STORAGE TANK
- ABOVEGROUND LIFT
- PW — PARTS WASHER
- S — SUMP
- O/S — OIL/WATER SEPARATOR

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE

0 80 160

SCALE IN FEET

TITLE

SITE MAP

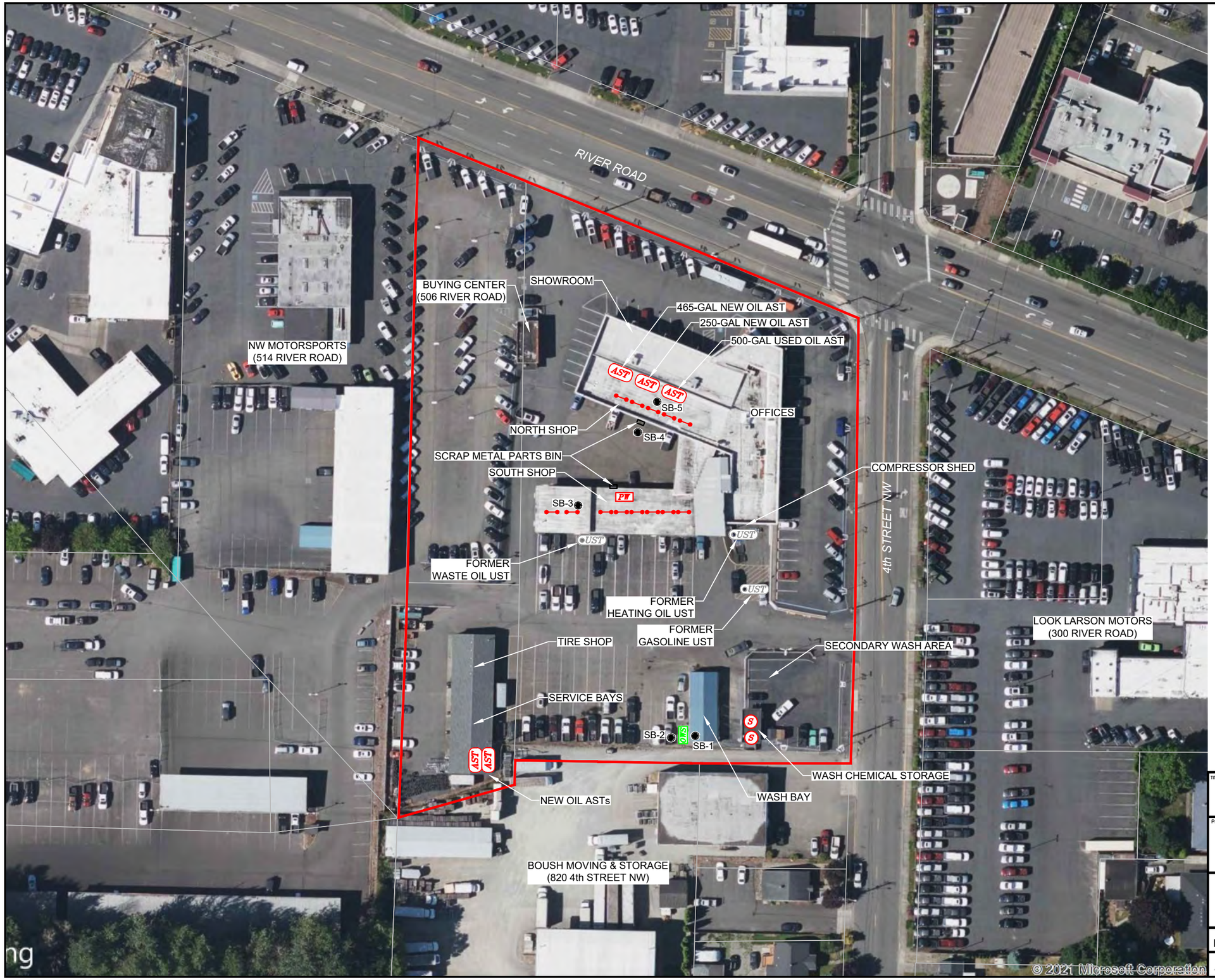
PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 10-25-21	REVISION NO. 0
JOB NO. SAI-384-13	FIGURE NO. 2



LEGEND

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- AST — ABOVEGROUND STORAGE TANK (AST)
- UST — FORMER UNDERGROUND STORAGE TANK
- ABOVEGROUND LIFT
- PW — PARTS WASHER
- S — SUMP
- OWS — OIL/WATER SEPARATOR
- SOIL BORING LOCATION

NOTES:

1. PARCEL DATA OBTAINED FROM PIERCE COUNTY, 2021.
2. AERIAL IMAGERY OBTAINED FROM BING SERVICES.

N

APPROXIMATE

0 80 160

SCALE IN FEET

TITLE

SAMPLE LOCATION MAP

PROJECT

NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 10-25-21	REVISION NO. 0
JOB NO. SAI-384-13	FIGURE NO. 3

S:\AAA-Master Projects\Sonic Automotive - SAI\SAI-384 Project Octane\Task 13 - Northwest Motorsports Puyallup WA - Phase II ESA\Figures\SITE MAP-013.dwg, 10/28/2021 10:38:16 AM, shaynes

Appendix A
Site Photographs

Photograph 1: Northern exterior of the automotive building, viewed facing west.

Photograph 2: View of the North Shop of the automotive building, viewed facing north.

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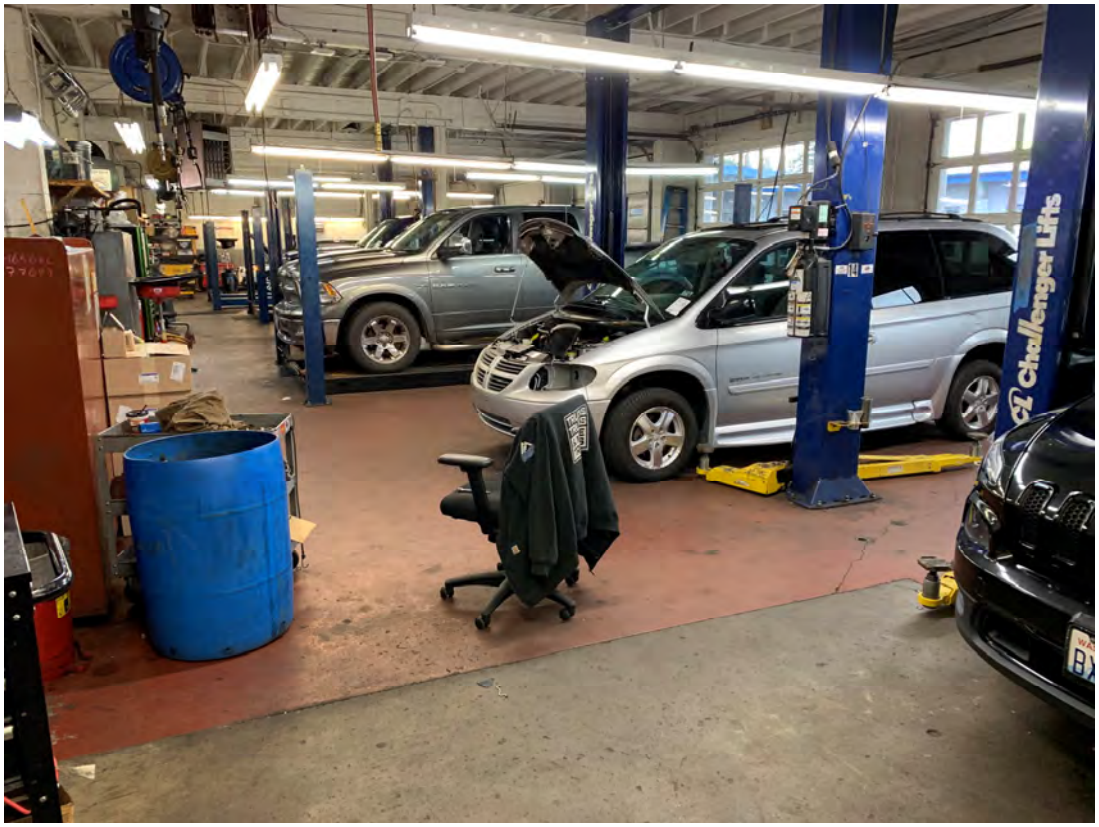
NORTHWEST MOTORSPORTS
400 RIVER ROAD
PUYALLUP, WASHINGTON

Photograph 3: View of the South Shop of the automotive building, facing southeast.



Photograph 4: General view of North Shop, facing east.

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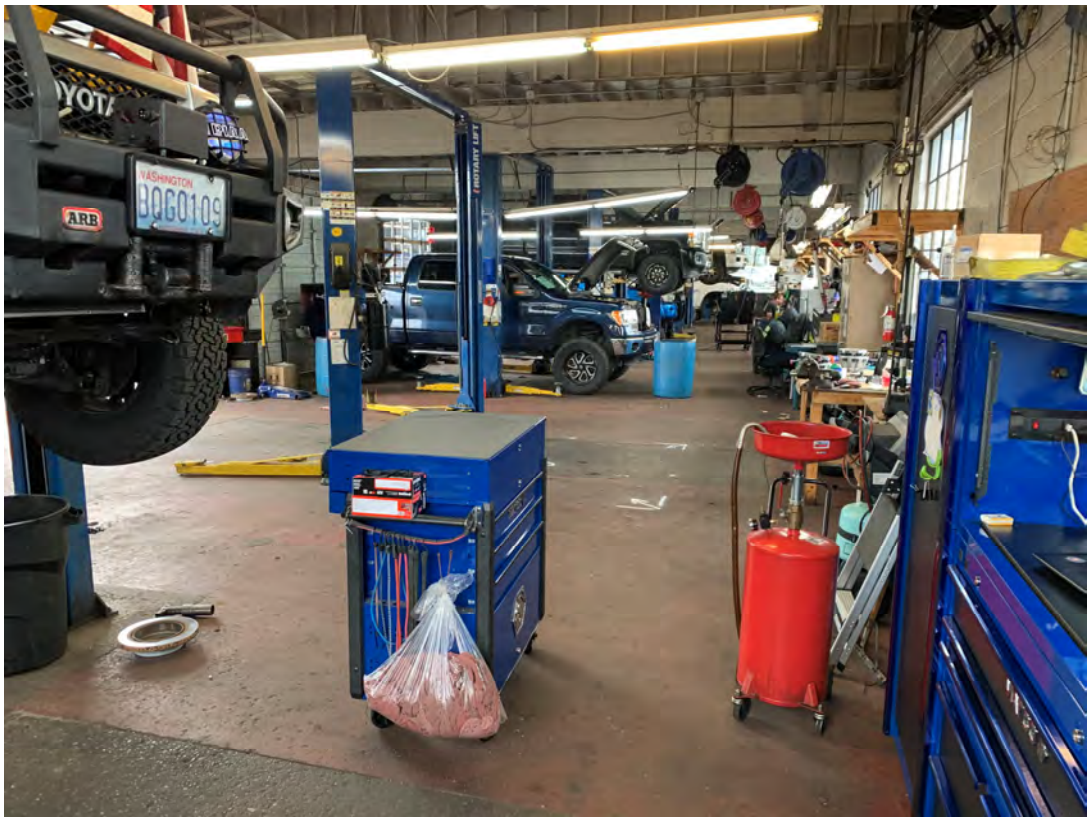

Photograph 5: General view of South Shop, facing east.

Photograph 6: View of wash bay at southern extent of property, facing south.

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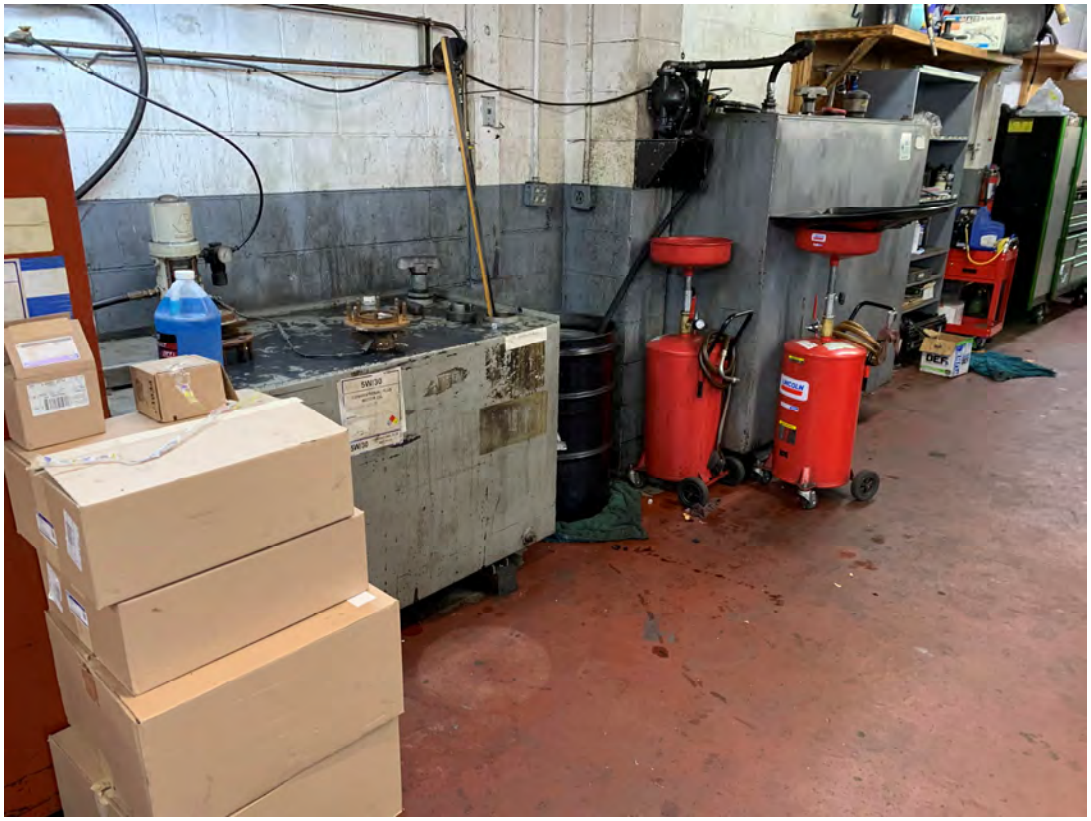
Photograph 7: Secondary wash area with select chemical storage, view facing east.



Photograph 8: Used and fresh oil ASTs located in the middle of the North Shop's northern wall.

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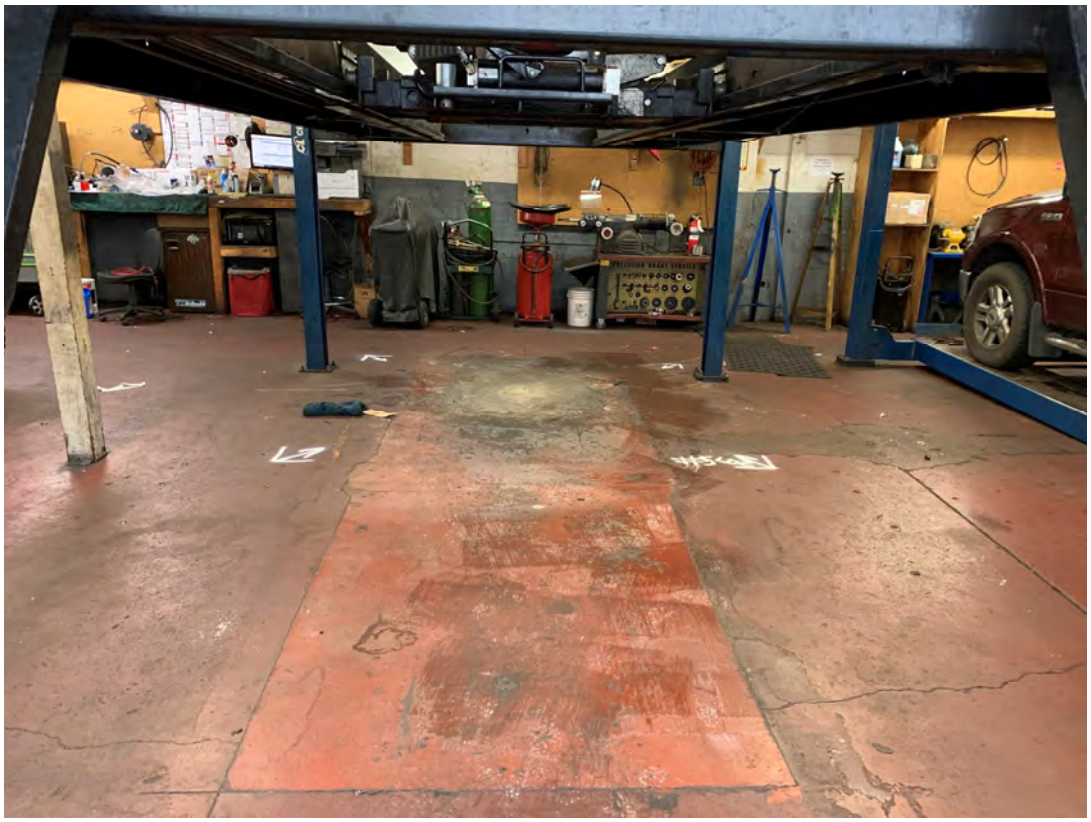
Charlotte, NC 28203
704.586.0007(p) 704.586.0373(f)

Photograph 9: Scrap metal car parts bin with observed staining, located at the southern extent of the North Shop, facing east.



Photograph 10: Patched floor in North Shop with some observed staining in lift area, location of SB-5, facing north.

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Photograph 11: View of OWS and skimmer shed at southern edge of wash bay, facing northeast.

Photograph 12: Interior view of the OWS vault.

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Appendix B

Soil Boring Logs

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SMARTER ENVIRONMENTAL SOLUTIONS

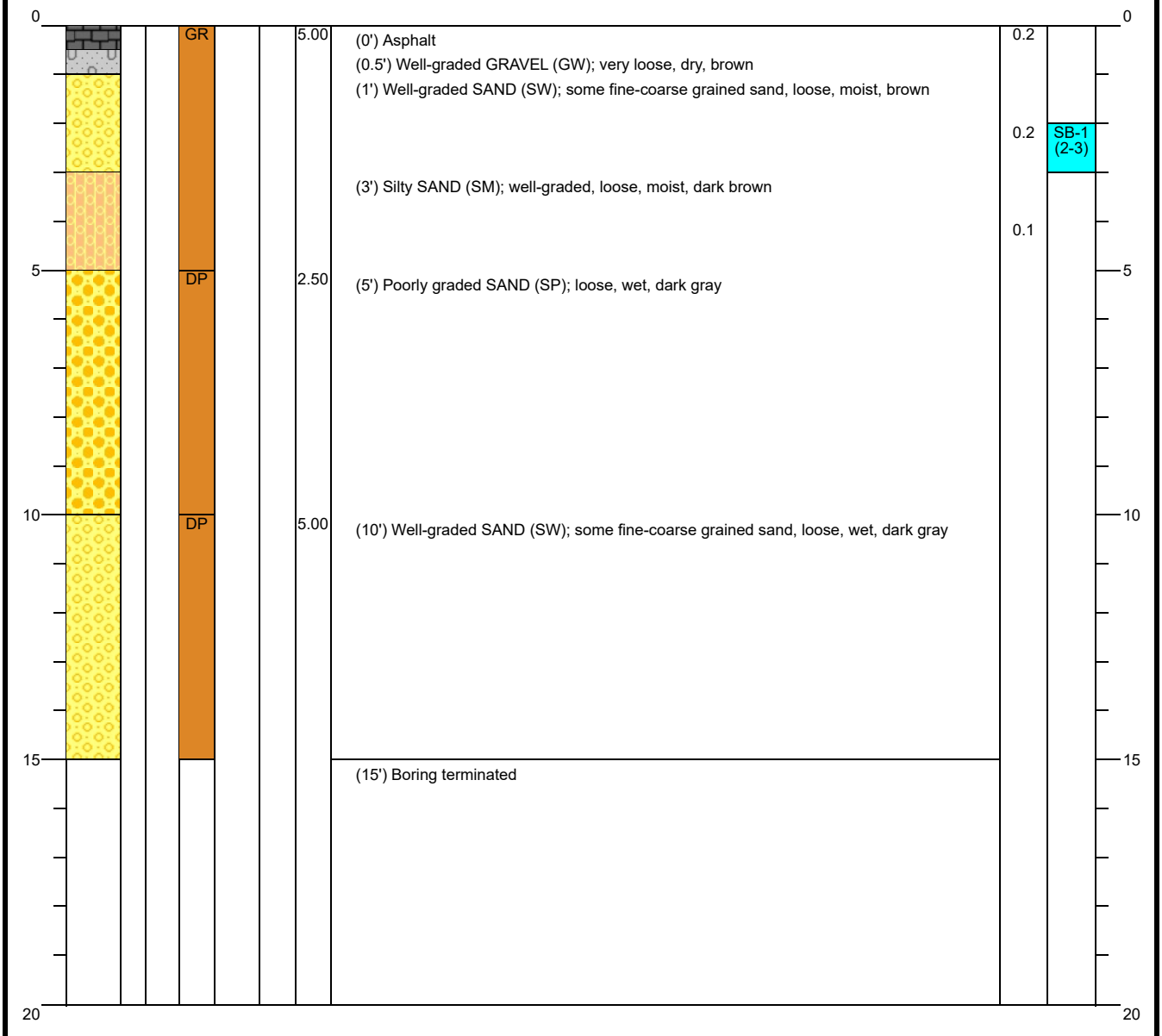
Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-1**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	



NOTES: Hole precleared to 5.0' by Steadfast Services Northwest using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

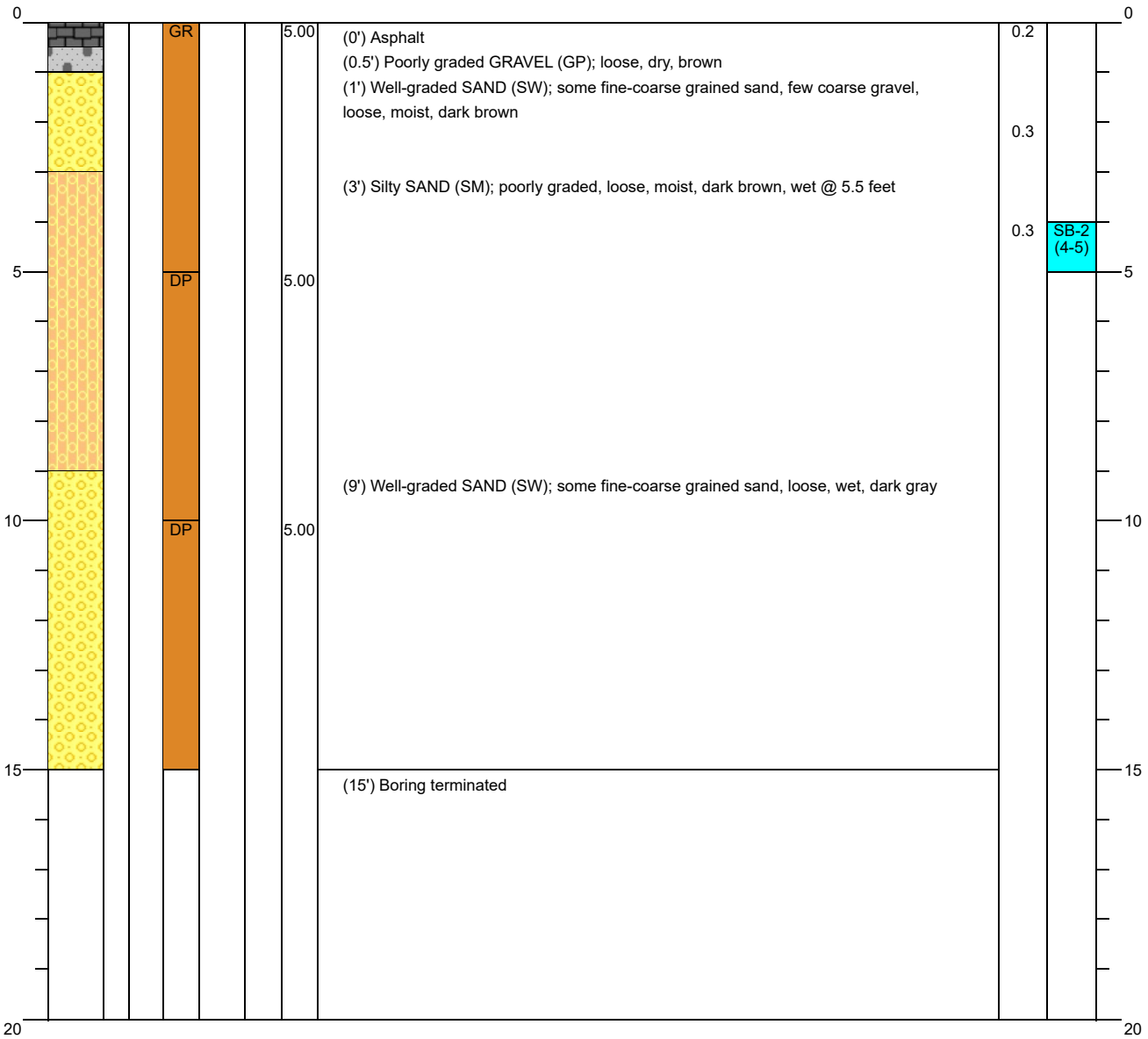
Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-2**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	



NOTES: Hole precleared to 5.0' by Steadfast Services Northwest using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-3**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			5.00	(0') Concrete (0.5') Well-graded GRAVEL with sand (GW); some fine-coarse sand, loose, dry, dark brown	3.0		0
								(1.5') Silty SAND (SM); poorly graded, loose, moist, dark brown	3.9	SB-3 (2-3)	
									1.9		
5				DP			5.00	(5') Poorly graded SAND (SP); mostly fine grained sand, loose, moist, dark brown			5
10				DP			5.00	(9.5') Well-graded SAND (SW); some fine-coarse grained sand, loose, wet, dark gray			10
15								(15') Boring terminated			15
20											20

NOTES: Hole precleared to 5.0' using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No.	**SB-4**
Page:	**1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**15.0**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Direct Push, Grab**
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	
Drilling Equipment:	**Geoprobe 7720DT**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			5.00	(0') Asphalt (0.5') Well-graded GRAVEL with sand (GW); mostly coarse grained gravel, some fine-coarse sand, loose, moist, dark brown (1') Silty SAND (SM); medium dense, moist, dark brown, wet @ 7.5 feet	0.0		0
									0.8	SB-4 (2-3)	
5				DP			5.00		0.3		5
									0.3		
10				DP			5.00	(9') Well-graded SAND with gravel (SW); mostly fine-coarse grained sand, some coarse gravel, dense, wet, dark gray			10
15								(15') Boring terminated			15
20											20

NOTES: Hole precleared to 5.0' using hand auger.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic**
Project:	**SAI-384-13**
Address:	**400 River Road, Puyallup, WA**

BORING LOG

Boring No. **SB-5**

Page: **1 of 1**

Drilling Start Date:	**10/22/2021**	Boring Depth (ft):	**4.5**
Drilling End Date:	**10/22/2021**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Services Northwest**	Sampling Method(s):	**Grab**
Drilling Method:	**Other**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**ABM**	Location (X,Y):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0				GR			4.50	(0') Concrete (0.5') Well-graded GRAVEL (GW); loose, dry (1') Sandy SILT (ML); some coarse gravel, low plasticity, medium stiff, dry, dark brown	0.5 0.3	SB-5 (1-2)	0
5								(4.5') Boring terminated			5
10											10
15											15
20											20

NOTES: Hole precleared to 4.5' by Steadfast Services Northwest using hand auger. Refusal at 4.5 feet.

Appendix C

Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-16195-1
Client Project/Site: Northwest Motorsports - Puyallup

For:
Hart & Hickman, PC
3921 Sunset Ridge Rd
Suite 301
Raleigh, North Carolina 27607

Attn: Carlin Slusher

Randee Arrington

Authorized for release by:
10/28/2021 5:36:23 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@Eurofinset.com

Table of Contents

Case Narrative

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt
The samples were received on 10/25/2021 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-33784 recovered above the upper control limit for 2,2-Dichloropropane, Chloroform, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Methylene Chloride and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 590-33778 and 590-33778 and analytical batch 590-33784 recovered outside control limits for the following analytes: 1,2-Dichlorobenzene, 1,2-Dichloropropane, Dibromomethane, Methyl tert-butyl ether, 2,2-Dichloropropane, cis-1,2-Dichloroethene and cis-1,3-Dichloropropene, . These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap in the following samples: SB-1 (2-3) (590-16195-1), SB-3 (2-3) (590-16195-3) and SB-5 (1-2) (590-16195-5).

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

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

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

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

Sample Summary

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-16195-1	SB-1 (2-3)	Solid	10/22/21 10:35	10/25/21 11:00
590-16195-2	SB-2 (4-5)	Solid	10/22/21 12:45	10/25/21 11:00
590-16195-3	SB-3 (2-3)	Solid	10/22/21 13:30	10/25/21 11:00
590-16195-4	SB-4 (2-3)	Solid	10/22/21 14:15	10/25/21 11:00
590-16195-5	SB-5 (1-2)	Solid	10/22/21 15:00	10/25/21 11:00
590-16195-6	Trip Blank	Solid	10/22/21 10:00	10/25/21 11:00

Definitions/Glossary

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.23	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chloromethane	ND		1.1	0.096	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Vinyl chloride	ND		0.14	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromomethane	ND		1.1	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chloroethane	ND		0.46	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Trichlorofluoromethane	ND		0.46	0.075	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1-Dichloroethene	ND		0.23	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Methylene Chloride	ND		0.80	0.46	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
trans-1,2-Dichloroethene	ND		0.23	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1-Dichloroethane	ND		0.23	0.061	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
2,2-Dichloropropane	ND	*+	0.23	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
cis-1,2-Dichloroethene	ND	*+	0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromochloromethane	ND		0.23	0.092	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chloroform	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,1-Trichloroethane	ND		0.23	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Carbon tetrachloride	ND		0.23	0.025	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1-Dichloropropene	ND		0.23	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Benzene	ND		0.046	0.023	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dichloroethane	ND		0.23	0.016	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Trichloroethene	ND		0.057	0.017	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dichloropropane	ND	*+	0.28	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Dibromomethane	ND	*+	0.23	0.051	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromodichloromethane	ND		0.23	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
cis-1,3-Dichloropropene	ND	*+	0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Toluene	ND		0.23	0.031	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
trans-1,3-Dichloropropene	ND		0.23	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,2-Trichloroethane	ND		0.23	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Tetrachloroethene	ND		0.092	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,3-Dichloropropane	ND		0.23	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Dibromochloromethane	ND		0.46	0.037	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dibromoethane (EDB)	ND		0.23	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Chlorobenzene	ND		0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Ethylbenzene	ND		0.23	0.037	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,1,2-Tetrachloroethane	ND		0.23	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,1,2,2-Tetrachloroethane	ND		0.23	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
m,p-Xylene	ND		0.92	0.066	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
o-Xylene	ND		0.46	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Styrene	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromoform	ND		0.46	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Isopropylbenzene	ND		0.23	0.071	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Bromobenzene	ND		0.23	0.051	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
N-Propylbenzene	ND		0.23	0.061	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,3-Trichloropropane	ND		0.46	0.084	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
2-Chlorotoluene	ND		0.23	0.037	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,3,5-Trimethylbenzene	ND		0.23	0.073	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
4-Chlorotoluene	ND		0.23	0.020	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
tert-Butylbenzene	ND		0.23	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,4-Trimethylbenzene	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
sec-Butylbenzene	ND		0.23	0.043	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.23	0.029	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
p-Isopropyltoluene	ND		0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,4-Dichlorobenzene	ND		0.23	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
n-Butylbenzene	ND		0.23	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dichlorobenzene	ND	*+	0.23	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2-Dibromo-3-Chloropropane	ND		1.1	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,4-Trichlorobenzene	ND		0.23	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
1,2,3-Trichlorobenzene	ND		0.23	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Hexachlorobutadiene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Naphthalene	ND		0.46	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1
Methyl tert-butyl ether	ND	*+	0.11	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*10/28/21 09:19*	*10/28/21 12:49*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 122*	*10/28/21 09:19*	*10/28/21 12:49*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*	*10/28/21 09:19*	*10/28/21 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*	*10/28/21 09:19*	*10/28/21 12:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		11	4.1	mg/Kg	☼	10/28/21 09:19	10/28/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 12:49*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		110	24	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
2-Methylnaphthalene	ND		110	35	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
1-Methylnaphthalene	ND		110	25	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Acenaphthylene	ND		110	37	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Acenaphthene	ND		110	28	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Fluorene	ND		110	25	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Phenanthrene	ND		110	41	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Anthracene	ND		110	22	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Fluoranthene	ND		110	28	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Pyrene	ND		110	43	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[a]anthracene	ND		110	24	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Chrysene	ND		110	17	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[b]fluoranthene	ND		110	39	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[k]fluoranthene	ND		110	28	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[a]pyrene	ND		110	47	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Indeno[1,2,3-cd]pyrene	ND		110	33	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Dibenz(a,h)anthracene	ND		110	32	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10
Benzo[g,h,i]perylene	ND		110	26	ug/Kg	☼	10/26/21 09:51	10/26/21 17:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*87*		*33 - 120*	*10/26/21 09:51*	*10/26/21 17:40*	*10*
2-Fluorobiphenyl (Surr)	*78*		*47 - 120*	*10/26/21 09:51*	*10/26/21 17:40*	*10*
p-Terphenyl-d14	*93*		*74 - 120*	*10/26/21 09:51*	*10/26/21 17:40*	*10*

Client Sample ID: SB-1 (2-3)
Lab Sample ID: 590-16195-1
Date Collected: 10/22/21 10:35
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	34		11	4.6	mg/Kg	☼	10/27/21 10:00	10/27/21 14:14	1
Residual Range Organics (RRO) (C25-C36)	280		27	5.4	mg/Kg	☼	10/27/21 10:00	10/27/21 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:14*	*1*
n-Triacontane-d62	*114*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:14*	*1*

Client Sample ID: SB-2 (4-5)
Lab Sample ID: 590-16195-2
Date Collected: 10/22/21 12:45
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 69.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.40	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chloromethane	ND		2.0	0.17	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Vinyl chloride	ND		0.24	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromomethane	ND		2.0	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chloroethane	ND		0.79	0.22	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Trichlorofluoromethane	ND		0.79	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1-Dichloroethene	ND		0.40	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Methylene Chloride	ND		1.4	0.79	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
trans-1,2-Dichloroethene	ND		0.40	0.091	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1-Dichloroethane	ND		0.40	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
2,2-Dichloropropane	ND	*+	0.40	0.096	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
cis-1,2-Dichloroethene	ND	*+	0.40	0.083	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromochloromethane	ND		0.40	0.16	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chloroform	ND		0.40	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,1-Trichloroethane	ND		0.40	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Carbon tetrachloride	ND		0.40	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1-Dichloropropene	ND		0.40	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Benzene	ND		0.079	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dichloroethane	ND		0.40	0.028	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Trichloroethene	ND		0.099	0.030	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dichloropropane	ND	*+	0.48	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Dibromomethane	ND	*+	0.40	0.089	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromodichloromethane	ND		0.40	0.25	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
cis-1,3-Dichloropropene	ND	*+	0.40	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Toluene	ND		0.40	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
trans-1,3-Dichloropropene	ND		0.40	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,2-Trichloroethane	ND		0.40	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Tetrachloroethene	ND		0.16	0.070	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,3-Dichloropropane	ND		0.40	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Dibromochloromethane	ND		0.79	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dibromoethane (EDB)	ND		0.40	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Chlorobenzene	ND		0.40	0.082	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Ethylbenzene	ND		0.40	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,1,2-Tetrachloroethane	ND		0.40	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,1,2,2-Tetrachloroethane	ND		0.40	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
m,p-Xylene	ND		1.6	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1

Client Sample ID: SB-2 (4-5)
Date Collected: 10/22/21 12:45
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-2
Matrix: Solid
Percent Solids: 69.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.79	0.091	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Styrene	ND		0.40	0.094	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromoform	ND		0.79	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Isopropylbenzene	ND		0.40	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Bromobenzene	ND		0.40	0.089	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
N-Propylbenzene	ND		0.40	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,3-Trichloropropane	ND		0.79	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
2-Chlorotoluene	ND		0.40	0.065	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,3,5-Trimethylbenzene	ND		0.40	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
4-Chlorotoluene	ND		0.40	0.035	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
tert-Butylbenzene	ND		0.40	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,4-Trimethylbenzene	ND		0.40	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
sec-Butylbenzene	ND		0.40	0.074	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,3-Dichlorobenzene	ND		0.40	0.050	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
p-Isopropyltoluene	ND		0.40	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,4-Dichlorobenzene	ND		0.40	0.082	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
n-Butylbenzene	ND		0.40	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dichlorobenzene	ND	*+	0.40	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.24	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,4-Trichlorobenzene	ND		0.40	0.073	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
1,2,3-Trichlorobenzene	ND		0.40	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Hexachlorobutadiene	ND		0.40	0.065	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Naphthalene	ND		0.79	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1
Methyl tert-butyl ether	ND	*+	0.20	0.12	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*10/28/21 09:19*	*10/28/21 13:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 122*	*10/28/21 09:19*	*10/28/21 13:31*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/28/21 09:19*	*10/28/21 13:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*	*10/28/21 09:19*	*10/28/21 13:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		20	7.1	mg/Kg	☼	10/28/21 09:19	10/28/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 13:31*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		14	3.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
2-Methylnaphthalene	ND		14	4.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
1-Methylnaphthalene	ND		14	3.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Acenaphthylene	ND		14	4.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Acenaphthene	ND		14	3.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Fluorene	ND		14	3.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Phenanthrene	ND		14	5.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Anthracene	ND		14	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Fluoranthene	ND		14	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Pyrene	ND		14	5.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1

Client Sample ID: SB-2 (4-5)
Lab Sample ID: 590-16195-2

Date Collected: 10/22/21 12:45
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 69.9

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		14	3.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Chrysene	ND		14	2.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[b]fluoranthene	ND		14	5.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[k]fluoranthene	ND		14	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[a]pyrene	ND		14	6.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Indeno[1,2,3-cd]pyrene	ND		14	4.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Dibenz(a,h)anthracene	ND		14	4.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1
Benzo[g,h,i]perylene	ND		14	3.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*33 - 120*	*10/26/21 09:51*	*10/26/21 18:04*	*1*
2-Fluorobiphenyl (Surr)	*65*		*47 - 120*	*10/26/21 09:51*	*10/26/21 18:04*	*1*
p-Terphenyl-d14	*95*		*74 - 120*	*10/26/21 09:51*	*10/26/21 18:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		14	5.9	mg/Kg	☼	10/27/21 10:00	10/27/21 14:34	1
Residual Range Organics (RRO) (C25-C36)	ND		35	7.1	mg/Kg	☼	10/27/21 10:00	10/27/21 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:34*	*1*
n-Triacontane-d62	*106*		*50 - 150*	*10/27/21 10:00*	*10/27/21 14:34*	*1*

Client Sample ID: SB-3 (2-3)
Lab Sample ID: 590-16195-3

Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.23	0.066	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chloromethane	ND		1.2	0.098	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Vinyl chloride	ND		0.14	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromomethane	ND		1.2	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chloroethane	ND		0.47	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Trichlorofluoromethane	ND		0.47	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1-Dichloroethene	ND		0.23	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Methylene Chloride	ND		0.82	0.47	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
trans-1,2-Dichloroethene	ND		0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1-Dichloroethane	ND		0.23	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
2,2-Dichloropropane	ND	*+	0.23	0.057	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
cis-1,2-Dichloroethene	ND	*+	0.23	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromochloromethane	ND		0.23	0.093	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chloroform	ND		0.23	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,1-Trichloroethane	ND		0.23	0.040	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Carbon tetrachloride	ND		0.23	0.026	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1-Dichloropropene	ND		0.23	0.041	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Benzene	ND		0.047	0.023	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dichloroethane	ND		0.23	0.016	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Trichloroethene	ND		0.058	0.018	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1

Client Sample ID: SB-3 (2-3)
Date Collected: 10/22/21 13:30
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-3
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND	*+	0.28	0.071	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Dibromomethane	ND	*+	0.23	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromodichloromethane	ND		0.23	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
cis-1,3-Dichloropropene	ND	*+	0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Toluene	ND		0.23	0.031	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
trans-1,3-Dichloropropene	ND		0.23	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,2-Trichloroethane	ND		0.23	0.083	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Tetrachloroethene	**1.3**		0.094	0.041	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,3-Dichloropropane	ND		0.23	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Dibromochloromethane	ND		0.47	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dibromoethane (EDB)	ND		0.23	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Chlorobenzene	ND		0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Ethylbenzene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,1,2-Tetrachloroethane	ND		0.23	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,1,2,2-Tetrachloroethane	ND		0.23	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
m,p-Xylene	ND		0.94	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
o-Xylene	ND		0.47	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Styrene	ND		0.23	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromoform	ND		0.47	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Isopropylbenzene	ND		0.23	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Bromobenzene	ND		0.23	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
N-Propylbenzene	ND		0.23	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,3-Trichloropropane	ND		0.47	0.086	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
2-Chlorotoluene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,3,5-Trimethylbenzene	ND		0.23	0.075	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
4-Chlorotoluene	ND		0.23	0.020	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
tert-Butylbenzene	ND		0.23	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,4-Trimethylbenzene	**0.12**	**J**	0.23	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
sec-Butylbenzene	ND		0.23	0.043	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,3-Dichlorobenzene	ND		0.23	0.029	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
p-Isopropyltoluene	ND		0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,4-Dichlorobenzene	ND		0.23	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
n-Butylbenzene	ND		0.23	0.064	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dichlorobenzene	ND	*+	0.23	0.054	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2-Dibromo-3-Chloropropane	ND		1.2	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,4-Trichlorobenzene	ND		0.23	0.043	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
1,2,3-Trichlorobenzene	ND		0.23	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Hexachlorobutadiene	ND		0.23	0.038	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Naphthalene	ND		0.47	0.065	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1
Methyl tert-butyl ether	ND	*+	0.12	0.070	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*10/28/21 09:19*	*10/28/21 14:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*	*10/28/21 09:19*	*10/28/21 14:56*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*	*10/28/21 09:19*	*10/28/21 14:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 129*	*10/28/21 09:19*	*10/28/21 14:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**10**	**J**	12	4.2	mg/Kg	☼	10/28/21 09:19	10/28/21 14:56	1

Client Sample ID: SB-3 (2-3)
Lab Sample ID: 590-16195-3

Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		41.5 - 162	10/28/21 09:19	10/28/21 14:56	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**7.9**	**J**	11	2.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
2-Methylnaphthalene	**13**		11	3.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
1-Methylnaphthalene	**8.8**	**J**	11	2.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Acenaphthylene	ND		11	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Fluorene	ND		11	2.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Phenanthrene	**14**		11	3.9	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Anthracene	**2.2**	**J**	11	2.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Fluoranthene	**5.0**	**J**	11	2.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Pyrene	**10**	**J**	11	4.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[a]anthracene	**3.7**	**J**	11	2.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Chrysene	**4.5**	**J**	11	1.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[b]fluoranthene	**4.5**	**J**	11	3.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[k]fluoranthene	ND		11	2.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[a]pyrene	ND		11	4.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Indeno[1,2,3-cd]pyrene	ND		11	3.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Dibenz(a,h)anthracene	ND		11	3.0	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1
Benzo[g,h,i]perylene	**3.7**	**J**	11	2.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		33 - 120	10/26/21 09:51	10/26/21 18:28	1
2-Fluorobiphenyl (Surr)	71		47 - 120	10/26/21 09:51	10/26/21 18:28	1
p-Terphenyl-d14	78		74 - 120	10/26/21 09:51	10/26/21 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**84**		11	4.5	mg/Kg	☼	10/27/21 10:00	10/27/21 15:14	1
Residual Range Organics (RRO) (C25-C36)	**240**		27	5.3	mg/Kg	☼	10/27/21 10:00	10/27/21 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	10/27/21 10:00	10/27/21 15:14	1
n-Triacontane-d62	109		50 - 150	10/27/21 10:00	10/27/21 15:14	1

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4

Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.26	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chloromethane	ND		1.3	0.11	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Vinyl chloride	ND		0.15	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromomethane	ND		1.3	0.085	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chloroethane	ND		0.51	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Trichlorofluoromethane	ND		0.51	0.084	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1-Dichloroethene	ND		0.26	0.087	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: SB-4 (2-3)
Date Collected: 10/22/21 14:15
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-4
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.90	0.51	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
trans-1,2-Dichloroethene	ND		0.26	0.059	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1-Dichloroethane	ND		0.26	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
2,2-Dichloropropane	ND	*+	0.26	0.062	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
cis-1,2-Dichloroethene	ND	*+	0.26	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromochloromethane	ND		0.26	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chloroform	ND		0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,1-Trichloroethane	ND		0.26	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Carbon tetrachloride	ND		0.26	0.028	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1-Dichloropropene	ND		0.26	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Benzene	ND		0.051	0.026	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dichloroethane	ND		0.26	0.018	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Trichloroethene	ND		0.064	0.019	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dichloropropane	ND	*+	0.31	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Dibromomethane	ND	*+	0.26	0.057	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromodichloromethane	ND		0.26	0.16	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
cis-1,3-Dichloropropene	ND	*+	0.26	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Toluene	ND		0.26	0.034	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
trans-1,3-Dichloropropene	ND		0.26	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,2-Trichloroethane	ND		0.26	0.090	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Tetrachloroethene	ND		0.10	0.045	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,3-Dichloropropane	ND		0.26	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Dibromochloromethane	ND		0.51	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dibromoethane (EDB)	ND		0.26	0.086	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Chlorobenzene	ND		0.26	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Ethylbenzene	ND		0.26	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,1,2-Tetrachloroethane	ND		0.26	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,1,2,2-Tetrachloroethane	ND		0.26	0.075	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
m,p-Xylene	ND		1.0	0.074	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
o-Xylene	ND		0.51	0.059	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Styrene	ND		0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromoform	ND		0.51	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Isopropylbenzene	ND		0.26	0.079	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Bromobenzene	ND		0.26	0.057	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
N-Propylbenzene	ND		0.26	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2,3-Trichloropropane	ND		0.51	0.094	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
2-Chlorotoluene	ND		0.26	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,3,5-Trimethylbenzene	ND		0.26	0.082	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
4-Chlorotoluene	ND		0.26	0.022	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
tert-Butylbenzene	ND		0.26	0.050	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2,4-Trimethylbenzene	ND		0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
sec-Butylbenzene	ND		0.26	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,3-Dichlorobenzene	ND		0.26	0.032	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
p-Isopropyltoluene	ND		0.26	0.052	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,4-Dichlorobenzene	ND		0.26	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
n-Butylbenzene	ND		0.26	0.070	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dichlorobenzene	ND	*+	0.26	0.060	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2-Dibromo-3-Chloropropane	ND		1.3	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
1,2,4-Trichlorobenzene	ND		0.26	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Client Sample ID: SB-4 (2-3)
Date Collected: 10/22/21 14:15
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-4
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		0.26	0.086	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Hexachlorobutadiene	ND		0.26	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Naphthalene	ND		0.51	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1
Methyl tert-butyl ether	ND	*+	0.13	0.077	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 122*	*10/28/21 09:19*	*10/28/21 15:17*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 129*	*10/28/21 09:19*	*10/28/21 15:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		13	4.6	mg/Kg	☼	10/28/21 09:19	10/28/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 15:17*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11	2.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
2-Methylnaphthalene	ND		11	3.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
1-Methylnaphthalene	ND		11	2.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Acenaphthylene	ND		11	3.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Acenaphthene	ND		11	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Fluorene	ND		11	2.5	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Phenanthrene	ND		11	4.1	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Anthracene	ND		11	2.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Fluoranthene	ND		11	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Pyrene	ND		11	4.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[a]anthracene	ND		11	2.4	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Chrysene	ND		11	1.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[b]fluoranthene	ND		11	3.9	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[k]fluoranthene	ND		11	2.8	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[a]pyrene	ND		11	4.7	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Indeno[1,2,3-cd]pyrene	ND		11	3.3	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Dibenz(a,h)anthracene	ND		11	3.2	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1
Benzo[g,h,i]perylene	ND		11	2.6	ug/Kg	☼	10/26/21 09:51	10/26/21 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*67*		*33 - 120*	*10/26/21 09:51*	*10/26/21 18:52*	*1*
2-Fluorobiphenyl (Surr)	*68*		*47 - 120*	*10/26/21 09:51*	*10/26/21 18:52*	*1*
p-Terphenyl-d14	*91*		*74 - 120*	*10/26/21 09:51*	*10/26/21 18:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.7	mg/Kg	☼	10/27/21 10:00	10/27/21 15:34	1
Residual Range Organics (RRO) (C25-C36)	ND		28	5.6	mg/Kg	☼	10/27/21 10:00	10/27/21 15:34	1

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4

Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 86.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*10/27/21 10:00*	*10/27/21 15:34*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*10/27/21 10:00*	*10/27/21 15:34*	*1*

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5

Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.24	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chloromethane	ND		1.2	0.10	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Vinyl chloride	ND		0.14	0.048	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromomethane	ND		1.2	0.079	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chloroethane	ND		0.48	0.13	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Trichlorofluoromethane	ND		0.48	0.078	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1-Dichloroethene	ND		0.24	0.081	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Methylene Chloride	ND		0.84	0.48	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
trans-1,2-Dichloroethene	ND		0.24	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1-Dichloroethane	ND		0.24	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
2,2-Dichloropropane	ND	*+	0.24	0.058	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
cis-1,2-Dichloroethene	ND	*+	0.24	0.050	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromochloromethane	ND		0.24	0.095	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chloroform	ND		0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,1-Trichloroethane	**0.10**	**J**	0.24	0.041	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Carbon tetrachloride	ND		0.24	0.026	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1-Dichloropropene	ND		0.24	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Benzene	ND		0.048	0.024	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dichloroethane	ND		0.24	0.017	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Trichloroethene	ND		0.060	0.018	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dichloropropane	ND	*+	0.29	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Dibromomethane	ND	*+	0.24	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromodichloromethane	ND		0.24	0.15	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
cis-1,3-Dichloropropene	ND	*+	0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Toluene	**0.038**	**J**	0.24	0.032	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
trans-1,3-Dichloropropene	ND		0.24	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,2-Trichloroethane	ND		0.24	0.084	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Tetrachloroethene	**1.8**		0.095	0.042	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,3-Dichloropropane	ND		0.24	0.071	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Dibromochloromethane	ND		0.48	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dibromoethane (EDB)	ND		0.24	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Chlorobenzene	ND		0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Ethylbenzene	ND		0.24	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,1,2-Tetrachloroethane	ND		0.24	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,1,2,2-Tetrachloroethane	ND		0.24	0.069	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
m,p-Xylene	ND		0.95	0.068	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
o-Xylene	ND		0.48	0.055	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Styrene	ND		0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromoform	ND		0.48	0.046	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Isopropylbenzene	ND		0.24	0.074	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Bromobenzene	ND		0.24	0.053	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: SB-5 (1-2)
Date Collected: 10/22/21 15:00
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-5
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.24	0.063	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,3-Trichloropropane	ND		0.48	0.087	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
2-Chlorotoluene	ND		0.24	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,3,5-Trimethylbenzene	ND		0.24	0.076	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
4-Chlorotoluene	ND		0.24	0.021	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
tert-Butylbenzene	ND		0.24	0.047	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,4-Trimethylbenzene	ND		0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
sec-Butylbenzene	ND		0.24	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,3-Dichlorobenzene	ND		0.24	0.030	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
p-Isopropyltoluene	ND		0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,4-Dichlorobenzene	ND		0.24	0.049	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
n-Butylbenzene	ND		0.24	0.066	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dichlorobenzene	ND	*+	0.24	0.056	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2-Dibromo-3-Chloropropane	ND		1.2	0.14	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,4-Trichlorobenzene	ND		0.24	0.044	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
1,2,3-Trichlorobenzene	ND		0.24	0.080	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Hexachlorobutadiene	ND		0.24	0.039	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Naphthalene	ND		0.48	0.067	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1
Methyl tert-butyl ether	ND	*+	0.12	0.072	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:38*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 122*	*10/28/21 09:19*	*10/28/21 15:38*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 129*	*10/28/21 09:19*	*10/28/21 15:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**4.7**	**J**	12	4.3	mg/Kg	☼	10/28/21 09:19	10/28/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 15:38*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
2-Methylnaphthalene	ND		56	17	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
1-Methylnaphthalene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Acenaphthylene	ND		56	18	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Acenaphthene	ND		56	14	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Fluorene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Phenanthrene	ND		56	20	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Anthracene	ND		56	11	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Fluoranthene	ND		56	14	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Pyrene	ND		56	21	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[a]anthracene	ND		56	12	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Chrysene	ND		56	8.4	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[b]fluoranthene	ND		56	19	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[k]fluoranthene	ND		56	14	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[a]pyrene	ND		56	23	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5

Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		56	16	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Dibenz(a,h)anthracene	ND		56	16	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5
Benzo[g,h,i]perylene	ND		56	13	ug/Kg	☼	10/26/21 09:51	10/26/21 19:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*88*		*33 - 120*	*10/26/21 09:51*	*10/26/21 19:16*	*5*
2-Fluorobiphenyl (Surr)	*81*		*47 - 120*	*10/26/21 09:51*	*10/26/21 19:16*	*5*
p-Terphenyl-d14	*81*		*74 - 120*	*10/26/21 09:51*	*10/26/21 19:16*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**1700**		110	46	mg/Kg	☼	10/27/21 10:00	10/28/21 07:42	10
Residual Range Organics (RRO) (C25-C36)	**4900**		280	55	mg/Kg	☼	10/27/21 10:00	10/28/21 07:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*50 - 150*	*10/27/21 10:00*	*10/28/21 07:42*	*10*
n-Triacontane-d62	*103*		*50 - 150*	*10/27/21 10:00*	*10/28/21 07:42*	*10*

Client Sample ID: Trip Blank
Lab Sample ID: 590-16195-6

Date Collected: 10/22/21 10:00
Matrix: Solid
Date Received: 10/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.097	0.027	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chloromethane	ND		0.48	0.040	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Vinyl chloride	ND		0.058	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromomethane	ND		0.48	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chloroethane	ND		0.19	0.055	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Trichlorofluoromethane	ND		0.19	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1-Dichloroethene	ND		0.097	0.033	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Methylene Chloride	ND		0.34	0.19	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
trans-1,2-Dichloroethene	ND		0.097	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1-Dichloroethane	ND		0.097	0.026	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
2,2-Dichloropropane	ND	*+	0.097	0.024	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
cis-1,2-Dichloroethene	ND	*+	0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromochloromethane	ND		0.097	0.039	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chloroform	ND		0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,1-Trichloroethane	ND		0.097	0.017	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Carbon tetrachloride	ND		0.097	0.011	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1-Dichloropropene	ND		0.097	0.017	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Benzene	ND		0.019	0.0097	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dichloroethane	ND		0.097	0.0068	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Trichloroethene	ND		0.024	0.0074	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dichloropropane	ND	*+	0.12	0.029	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Dibromomethane	ND	*+	0.097	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromodichloromethane	ND		0.097	0.060	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
cis-1,3-Dichloropropene	ND	*+	0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Toluene	ND		0.097	0.013	mg/Kg		10/28/21 09:19	10/28/21 15:59	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: Trip Blank

Date Collected: 10/22/21 10:00
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.097	0.026	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,2-Trichloroethane	ND		0.097	0.034	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Tetrachloroethene	ND		0.039	0.017	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,3-Dichloropropane	ND		0.097	0.029	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Dibromochloromethane	ND		0.19	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dibromoethane (EDB)	ND		0.097	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Chlorobenzene	ND		0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Ethylbenzene	ND		0.097	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,1,2-Tetrachloroethane	ND		0.097	0.019	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,1,2,2-Tetrachloroethane	ND		0.097	0.028	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
m,p-Xylene	ND		0.39	0.028	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
o-Xylene	ND		0.19	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Styrene	ND		0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromoform	ND		0.19	0.019	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Isopropylbenzene	ND		0.097	0.030	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Bromobenzene	ND		0.097	0.022	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
N-Propylbenzene	ND		0.097	0.026	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,3-Trichloropropane	ND		0.19	0.035	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
2-Chlorotoluene	ND		0.097	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,3,5-Trimethylbenzene	ND		0.097	0.031	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
4-Chlorotoluene	ND		0.097	0.0084	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
tert-Butylbenzene	ND		0.097	0.019	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,4-Trimethylbenzene	ND		0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
sec-Butylbenzene	ND		0.097	0.018	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,3-Dichlorobenzene	ND		0.097	0.012	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
p-Isopropyltoluene	ND		0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,4-Dichlorobenzene	ND		0.097	0.020	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
n-Butylbenzene	ND		0.097	0.027	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dichlorobenzene	ND	*+	0.097	0.023	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2-Dibromo-3-Chloropropane	ND		0.48	0.058	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,4-Trichlorobenzene	ND		0.097	0.018	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
1,2,3-Trichlorobenzene	ND		0.097	0.032	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Hexachlorobutadiene	ND		0.097	0.016	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Naphthalene	ND		0.19	0.027	mg/Kg		10/28/21 09:19	10/28/21 15:59	1
Methyl tert-butyl ether	ND	*+	0.048	0.029	mg/Kg		10/28/21 09:19	10/28/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 122*	*10/28/21 09:19*	*10/28/21 15:59*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*	*10/28/21 09:19*	*10/28/21 15:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 129*	*10/28/21 09:19*	*10/28/21 15:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.8	1.7	mg/Kg		10/28/21 09:19	10/28/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*41.5 - 162*	*10/28/21 09:19*	*10/28/21 15:59*	*1*

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

Lab Sample ID: MB 590-33778/1-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chloromethane	ND		0.50	0.042	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromomethane	ND		0.50	0.033	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chloroethane	ND		0.20	0.056	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1-Dichloroethene	ND		0.10	0.034	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1-Dichloroethane	ND		0.10	0.026	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
2,2-Dichloropropane	ND		0.10	0.024	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chloroform	ND		0.10	0.024	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,1-Trichloroethane	ND		0.10	0.017	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1-Dichloropropene	ND		0.10	0.017	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Benzene	ND		0.020	0.010	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dichloroethane	ND		0.10	0.0070	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Trichloroethene	ND		0.025	0.0076	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Dibromomethane	ND		0.10	0.022	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromodichloromethane	ND		0.10	0.062	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
cis-1,3-Dichloropropene	ND		0.10	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Toluene	ND		0.10	0.013	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
trans-1,3-Dichloropropene	ND		0.10	0.026	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,2-Trichloroethane	ND		0.10	0.035	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Tetrachloroethene	ND		0.040	0.018	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
o-Xylene	ND		0.20	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Styrene	ND		0.10	0.024	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromoform	ND		0.20	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Bromobenzene	ND		0.10	0.022	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
N-Propylbenzene	ND		0.10	0.026	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
2-Chlorotoluene	ND		0.10	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
4-Chlorotoluene	ND		0.10	0.0087	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,4-Trimethylbenzene	ND		0.10	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1

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

Lab Sample ID: MB 590-33778/1-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
p-Isopropyltoluene	ND		0.10	0.020	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dichlorobenzene	ND		0.10	0.023	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
1,2,3-Trichlorobenzene	ND		0.10	0.033	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Hexachlorobutadiene	ND		0.10	0.016	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Naphthalene	ND		0.20	0.028	mg/Kg		10/28/21 09:16	10/28/21 11:03	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		10/28/21 09:16	10/28/21 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*	*10/28/21 09:16*	*10/28/21 11:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*	*10/28/21 09:16*	*10/28/21 11:03*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*10/28/21 09:16*	*10/28/21 11:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 129*	*10/28/21 09:16*	*10/28/21 11:03*	*1*

Lab Sample ID: LCS 590-33778/2-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.500	0.332		mg/Kg		66	34 - 120
Chloromethane	0.500	0.452	J	mg/Kg		90	63 - 120
Vinyl chloride	0.500	0.540		mg/Kg		108	66 - 129
Bromomethane	0.500	0.554		mg/Kg		111	56 - 138
Chloroethane	0.500	0.521		mg/Kg		104	50 - 142
Trichlorofluoromethane	0.500	0.577		mg/Kg		115	64 - 143
1,1-Dichloroethene	0.500	0.614		mg/Kg		123	73 - 135
Methylene Chloride	0.500	0.628		mg/Kg		126	30 - 150
trans-1,2-Dichloroethene	0.500	0.585		mg/Kg		117	80 - 126
1,1-Dichloroethane	0.500	0.591		mg/Kg		118	80 - 129
2,2-Dichloropropane	0.500	0.685		mg/Kg		137	80 - 138
cis-1,2-Dichloroethene	0.500	0.619		mg/Kg		124	80 - 124
Bromochloromethane	0.500	0.607		mg/Kg		121	75 - 135
Chloroform	0.500	0.609		mg/Kg		122	80 - 130
1,1,1-Trichloroethane	0.500	0.621		mg/Kg		124	80 - 130
Carbon tetrachloride	0.500	0.622		mg/Kg		124	72 - 138
1,1-Dichloropropene	0.500	0.632		mg/Kg		126	78 - 132
Benzene	0.500	0.625		mg/Kg		125	76 - 129
1,2-Dichloroethane	0.500	0.633		mg/Kg		127	80 - 129
Trichloroethene	0.500	0.602		mg/Kg		120	79 - 133
1,2-Dichloropropane	0.500	0.634	*+	mg/Kg		127	75 - 121
Dibromomethane	0.500	0.632	*+	mg/Kg		126	80 - 123
Bromodichloromethane	0.500	0.617		mg/Kg		123	80 - 128
cis-1,3-Dichloropropene	0.500	0.614		mg/Kg		123	80 - 126

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

Lab Sample ID: LCS 590-33778/2-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.500	0.604		mg/Kg		121	77 - 131
trans-1,3-Dichloropropene	0.500	0.601		mg/Kg		120	80 - 124
1,1,2-Trichloroethane	0.500	0.598		mg/Kg		120	80 - 125
Tetrachloroethene	0.500	0.623		mg/Kg		125	77 - 134
1,3-Dichloropropane	0.500	0.582		mg/Kg		116	76 - 125
Dibromochloromethane	0.500	0.610		mg/Kg		122	78 - 127
1,2-Dibromoethane (EDB)	0.500	0.562		mg/Kg		112	80 - 121
Chlorobenzene	0.500	0.609		mg/Kg		122	80 - 129
Ethylbenzene	0.500	0.625		mg/Kg		125	77 - 126
1,1,1,2-Tetrachloroethane	0.500	0.624		mg/Kg		125	80 - 128
1,1,2,2-Tetrachloroethane	0.500	0.604		mg/Kg		121	75 - 128
m,p-Xylene	0.500	0.625		mg/Kg		125	78 - 130
o-Xylene	0.500	0.623		mg/Kg		125	77 - 129
Styrene	0.500	0.616		mg/Kg		123	80 - 128
Bromoform	0.500	0.593		mg/Kg		119	72 - 133
Isopropylbenzene	0.500	0.632		mg/Kg		126	78 - 139
Bromobenzene	0.500	0.638		mg/Kg		128	75 - 129
N-Propylbenzene	0.500	0.632		mg/Kg		126	77 - 131
1,2,3-Trichloropropane	0.500	0.640		mg/Kg		128	67 - 131
2-Chlorotoluene	0.500	0.602		mg/Kg		120	77 - 135
1,3,5-Trimethylbenzene	0.500	0.622		mg/Kg		124	76 - 133
4-Chlorotoluene	0.500	0.618		mg/Kg		124	77 - 133
tert-Butylbenzene	0.500	0.632		mg/Kg		126	76 - 130
1,2,4-Trimethylbenzene	0.500	0.654		mg/Kg		131	76 - 132
sec-Butylbenzene	0.500	0.623		mg/Kg		125	76 - 130
1,3-Dichlorobenzene	0.500	0.612		mg/Kg		122	80 - 123
p-Isopropyltoluene	0.500	0.638		mg/Kg		128	80 - 130
1,4-Dichlorobenzene	0.500	0.610		mg/Kg		122	80 - 125
n-Butylbenzene	0.500	0.614		mg/Kg		123	80 - 131
1,2-Dichlorobenzene	0.500	0.635	*+	mg/Kg		127	80 - 124
1,2-Dibromo-3-Chloropropane	0.500	0.608		mg/Kg		122	49 - 139
1,2,4-Trichlorobenzene	0.500	0.608		mg/Kg		122	79 - 126
1,2,3-Trichlorobenzene	0.500	0.625		mg/Kg		125	66 - 130
Hexachlorobutadiene	0.500	0.672		mg/Kg		134	80 - 136
Naphthalene	0.500	0.603		mg/Kg		121	53 - 144
Methyl tert-butyl ether	0.500	0.626	*+	mg/Kg		125	80 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 129*

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

Lab Sample ID: LCSD 590-33778/18-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	0.500	0.350		mg/Kg		70	34 - 120	5	24
Chloromethane	0.500	0.424	J	mg/Kg		85	63 - 120	6	22
Vinyl chloride	0.500	0.518		mg/Kg		104	66 - 129	4	20
Bromomethane	0.500	0.504		mg/Kg		101	56 - 138	9	21
Chloroethane	0.500	0.513		mg/Kg		103	50 - 142	2	25
Trichlorofluoromethane	0.500	0.568		mg/Kg		114	64 - 143	2	25
1,1-Dichloroethene	0.500	0.612		mg/Kg		122	73 - 135	0	18
Methylene Chloride	0.500	0.623		mg/Kg		125	30 - 150	1	40
trans-1,2-Dichloroethene	0.500	0.585		mg/Kg		117	80 - 126	0	25
1,1-Dichloroethane	0.500	0.580		mg/Kg		116	80 - 129	2	25
2,2-Dichloropropane	0.500	0.696	*+	mg/Kg		139	80 - 138	2	22
cis-1,2-Dichloroethene	0.500	0.642	*+	mg/Kg		128	80 - 124	4	23
Bromochloromethane	0.500	0.597		mg/Kg		119	75 - 135	2	25
Chloroform	0.500	0.632		mg/Kg		126	80 - 130	4	25
1,1,1-Trichloroethane	0.500	0.610		mg/Kg		122	80 - 130	2	19
Carbon tetrachloride	0.500	0.631		mg/Kg		126	72 - 138	1	25
1,1-Dichloropropene	0.500	0.633		mg/Kg		127	78 - 132	0	24
Benzene	0.500	0.616		mg/Kg		123	76 - 129	1	25
1,2-Dichloroethane	0.500	0.629		mg/Kg		126	80 - 129	1	25
Trichloroethene	0.500	0.610		mg/Kg		122	79 - 133	1	25
1,2-Dichloropropane	0.500	0.558		mg/Kg		112	75 - 121	13	20
Dibromomethane	0.500	0.598		mg/Kg		120	80 - 123	5	24
Bromodichloromethane	0.500	0.636		mg/Kg		127	80 - 128	3	26
cis-1,3-Dichloropropene	0.500	0.633	*+	mg/Kg		127	80 - 126	3	24
Toluene	0.500	0.587		mg/Kg		117	77 - 131	3	25
trans-1,3-Dichloropropene	0.500	0.587		mg/Kg		117	80 - 124	2	28
1,1,2-Trichloroethane	0.500	0.568		mg/Kg		114	80 - 125	5	31
Tetrachloroethene	0.500	0.609		mg/Kg		122	77 - 134	2	24
1,3-Dichloropropane	0.500	0.586		mg/Kg		117	76 - 125	1	16
Dibromochloromethane	0.500	0.599		mg/Kg		120	78 - 127	2	25
1,2-Dibromoethane (EDB)	0.500	0.560		mg/Kg		112	80 - 121	0	18
Chlorobenzene	0.500	0.600		mg/Kg		120	80 - 129	1	25
Ethylbenzene	0.500	0.610		mg/Kg		122	77 - 126	2	25
1,1,1,2-Tetrachloroethane	0.500	0.561		mg/Kg		112	80 - 128	11	25
1,1,2,2-Tetrachloroethane	0.500	0.597		mg/Kg		119	75 - 128	1	22
m,p-Xylene	0.500	0.596		mg/Kg		119	78 - 130	5	23
o-Xylene	0.500	0.595		mg/Kg		119	77 - 129	5	25
Styrene	0.500	0.590		mg/Kg		118	80 - 128	4	25
Bromoform	0.500	0.579		mg/Kg		116	72 - 133	2	34
Isopropylbenzene	0.500	0.588		mg/Kg		118	78 - 139	7	24
Bromobenzene	0.500	0.618		mg/Kg		124	75 - 129	3	25
N-Propylbenzene	0.500	0.617		mg/Kg		123	77 - 131	2	25
1,2,3-Trichloropropane	0.500	0.628		mg/Kg		126	67 - 131	2	27
2-Chlorotoluene	0.500	0.576		mg/Kg		115	77 - 135	4	20
1,3,5-Trimethylbenzene	0.500	0.617		mg/Kg		123	76 - 133	1	20
4-Chlorotoluene	0.500	0.612		mg/Kg		122	77 - 133	1	25
tert-Butylbenzene	0.500	0.616		mg/Kg		123	76 - 130	3	16
1,2,4-Trimethylbenzene	0.500	0.638		mg/Kg		128	76 - 132	2	21

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

Lab Sample ID: LCSD 590-33778/18-A
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33778

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene			0.500	0.619		mg/Kg		124	76 - 130	1	34
1,3-Dichlorobenzene			0.500	0.601		mg/Kg		120	80 - 123	2	18
p-Isopropyltoluene			0.500	0.638		mg/Kg		128	80 - 130	0	26
1,4-Dichlorobenzene			0.500	0.602		mg/Kg		120	80 - 125	1	16
n-Butylbenzene			0.500	0.611		mg/Kg		122	80 - 131	0	20
1,2-Dichlorobenzene			0.500	0.608		mg/Kg		122	80 - 124	4	25
1,2-Dibromo-3-Chloropropane			0.500	0.625		mg/Kg		125	49 - 139	3	40
1,2,4-Trichlorobenzene			0.500	0.616		mg/Kg		123	79 - 126	1	25
1,2,3-Trichlorobenzene			0.500	0.621		mg/Kg		124	66 - 130	1	25
Hexachlorobutadiene			0.500	0.653		mg/Kg		131	80 - 136	3	25
Naphthalene			0.500	0.586		mg/Kg		117	53 - 144	3	36
Methyl tert-butyl ether			0.500	0.638	*+	mg/Kg		128	80 - 123	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*76 - 122*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 129*

Lab Sample ID: 590-16195-2 MS
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND		1.99	1.81		mg/Kg	☼	91	34 - 120
Chloromethane	ND		1.99	1.88	J	mg/Kg	☼	95	63 - 120
Vinyl chloride	ND		1.99	2.34		mg/Kg	☼	118	66 - 129
Bromomethane	ND		1.99	2.13		mg/Kg	☼	107	56 - 138
Chloroethane	ND		1.99	2.11		mg/Kg	☼	106	50 - 142
Trichlorofluoromethane	ND		1.99	2.33		mg/Kg	☼	117	64 - 143
1,1-Dichloroethene	ND		1.99	2.34		mg/Kg	☼	118	73 - 135
Methylene Chloride	ND		1.99	2.20		mg/Kg	☼	111	30 - 150
trans-1,2-Dichloroethene	ND		1.99	2.32		mg/Kg	☼	117	80 - 126
1,1-Dichloroethane	ND		1.99	2.16		mg/Kg	☼	109	80 - 129
2,2-Dichloropropane	ND	*+	1.99	2.36		mg/Kg	☼	119	80 - 138
cis-1,2-Dichloroethene	ND	*+	1.99	2.35		mg/Kg	☼	118	80 - 124
Bromochloromethane	ND		1.99	2.18		mg/Kg	☼	110	75 - 135
Chloroform	ND		1.99	2.35		mg/Kg	☼	118	80 - 130
1,1,1-Trichloroethane	ND		1.99	2.36		mg/Kg	☼	119	80 - 130
Carbon tetrachloride	ND		1.99	2.37		mg/Kg	☼	119	72 - 138
1,1-Dichloropropene	ND		1.99	2.43		mg/Kg	☼	122	78 - 132
Benzene	ND		1.99	2.33		mg/Kg	☼	117	76 - 129
1,2-Dichloroethane	ND		1.99	2.19		mg/Kg	☼	110	80 - 129
Trichloroethene	ND		1.99	2.38		mg/Kg	☼	120	79 - 133
1,2-Dichloropropane	ND	*+	1.99	2.14		mg/Kg	☼	108	75 - 121
Dibromomethane	ND	*+	1.99	2.18		mg/Kg	☼	110	80 - 123
Bromodichloromethane	ND		1.99	2.19		mg/Kg	☼	110	80 - 128
cis-1,3-Dichloropropene	ND	*+	1.99	2.27		mg/Kg	☼	115	80 - 126

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

Lab Sample ID: 590-16195-2 MS
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	ND		1.99	2.24		mg/Kg	☼	113	77 - 131
trans-1,3-Dichloropropene	ND		1.99	2.09		mg/Kg	☼	105	80 - 124
1,1,2-Trichloroethane	ND		1.99	2.20		mg/Kg	☼	111	80 - 125
Tetrachloroethene	ND		1.99	2.37		mg/Kg	☼	119	77 - 134
1,3-Dichloropropane	ND		1.99	2.18		mg/Kg	☼	110	76 - 125
Dibromochloromethane	ND		1.99	2.14		mg/Kg	☼	108	78 - 127
1,2-Dibromoethane (EDB)	ND		1.99	2.07		mg/Kg	☼	104	80 - 121
Chlorobenzene	ND		1.99	2.32		mg/Kg	☼	117	80 - 129
Ethylbenzene	ND		1.99	2.29		mg/Kg	☼	115	77 - 126
1,1,1,2-Tetrachloroethane	ND		1.99	2.08		mg/Kg	☼	105	80 - 128
1,1,2,2-Tetrachloroethane	ND		1.99	2.16		mg/Kg	☼	109	75 - 128
m,p-Xylene	ND		1.99	2.33		mg/Kg	☼	117	78 - 130
o-Xylene	ND		1.99	2.25		mg/Kg	☼	113	77 - 129
Styrene	ND		1.99	2.27		mg/Kg	☼	114	80 - 128
Bromoform	ND		1.99	2.06		mg/Kg	☼	104	72 - 133
Isopropylbenzene	ND		1.99	2.27		mg/Kg	☼	114	78 - 139
Bromobenzene	ND		1.99	2.30		mg/Kg	☼	116	75 - 129
N-Propylbenzene	ND		1.99	2.32		mg/Kg	☼	117	77 - 131
1,2,3-Trichloropropane	ND		1.99	2.22		mg/Kg	☼	112	67 - 131
2-Chlorotoluene	ND		1.99	2.15		mg/Kg	☼	108	77 - 135
1,3,5-Trimethylbenzene	ND		1.99	2.28		mg/Kg	☼	115	76 - 133
4-Chlorotoluene	ND		1.99	2.30		mg/Kg	☼	116	77 - 133
tert-Butylbenzene	ND		1.99	2.35		mg/Kg	☼	118	76 - 130
1,2,4-Trimethylbenzene	ND		1.99	2.40		mg/Kg	☼	121	76 - 132
sec-Butylbenzene	ND		1.99	2.42		mg/Kg	☼	122	76 - 130
1,3-Dichlorobenzene	ND		1.99	2.26		mg/Kg	☼	114	80 - 123
p-Isopropyltoluene	ND		1.99	2.44		mg/Kg	☼	123	80 - 130
1,4-Dichlorobenzene	ND		1.99	2.23		mg/Kg	☼	113	80 - 125
n-Butylbenzene	ND		1.99	2.41		mg/Kg	☼	121	80 - 131
1,2-Dichlorobenzene	ND	*+	1.99	2.19		mg/Kg	☼	110	80 - 124
1,2-Dibromo-3-Chloropropane	ND		1.99	2.03		mg/Kg	☼	102	49 - 139
1,2,4-Trichlorobenzene	ND		1.99	2.27		mg/Kg	☼	114	79 - 126
1,2,3-Trichlorobenzene	ND		1.99	2.23		mg/Kg	☼	112	66 - 130
Hexachlorobutadiene	ND		1.99	2.62		mg/Kg	☼	132	80 - 136
Naphthalene	ND		1.99	2.19		mg/Kg	☼	110	53 - 144
Methyl tert-butyl ether	ND	*+	1.99	2.22		mg/Kg	☼	112	80 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*76 - 122*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 129*

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

Lab Sample ID: 590-16195-2 MSD
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND		1.99	1.75		mg/Kg	☼	88	34 - 120	4	24
Chloromethane	ND		1.99	1.80	J	mg/Kg	☼	91	63 - 120	4	22
Vinyl chloride	ND		1.99	2.16		mg/Kg	☼	109	66 - 129	8	20
Bromomethane	ND		1.99	2.01		mg/Kg	☼	101	56 - 138	6	21
Chloroethane	ND		1.99	2.16		mg/Kg	☼	109	50 - 142	3	25
Trichlorofluoromethane	ND		1.99	2.23		mg/Kg	☼	112	64 - 143	4	25
1,1-Dichloroethene	ND		1.99	2.25		mg/Kg	☼	113	73 - 135	4	18
Methylene Chloride	ND		1.99	1.65		mg/Kg	☼	83	30 - 150	29	40
trans-1,2-Dichloroethene	ND		1.99	2.26		mg/Kg	☼	114	80 - 126	3	25
1,1-Dichloroethane	ND		1.99	2.23		mg/Kg	☼	112	80 - 129	3	25
2,2-Dichloropropane	ND	*+	1.99	2.36		mg/Kg	☼	119	80 - 138	0	22
cis-1,2-Dichloroethene	ND	*+	1.99	2.38		mg/Kg	☼	120	80 - 124	1	23
Bromochloromethane	ND		1.99	2.41		mg/Kg	☼	121	75 - 135	10	25
Chloroform	ND		1.99	2.41		mg/Kg	☼	122	80 - 130	3	25
1,1,1-Trichloroethane	ND		1.99	2.23		mg/Kg	☼	112	80 - 130	6	19
Carbon tetrachloride	ND		1.99	2.37		mg/Kg	☼	119	72 - 138	0	25
1,1-Dichloropropene	ND		1.99	2.38		mg/Kg	☼	120	78 - 132	2	24
Benzene	ND		1.99	2.41		mg/Kg	☼	121	76 - 129	4	25
1,2-Dichloroethane	ND		1.99	2.41		mg/Kg	☼	121	80 - 129	9	25
Trichloroethene	ND		1.99	2.28		mg/Kg	☼	115	79 - 133	4	25
1,2-Dichloropropane	ND	*+	1.99	2.20		mg/Kg	☼	111	75 - 121	3	20
Dibromomethane	ND	*+	1.99	2.40		mg/Kg	☼	121	80 - 123	10	24
Bromodichloromethane	ND		1.99	2.31		mg/Kg	☼	116	80 - 128	5	26
cis-1,3-Dichloropropene	ND	*+	1.99	2.34		mg/Kg	☼	118	80 - 126	3	24
Toluene	ND		1.99	2.25		mg/Kg	☼	113	77 - 131	1	25
trans-1,3-Dichloropropene	ND		1.99	2.20		mg/Kg	☼	111	80 - 124	5	28
1,1,2-Trichloroethane	ND		1.99	2.19		mg/Kg	☼	110	80 - 125	1	31
Tetrachloroethene	ND		1.99	2.27		mg/Kg	☼	114	77 - 134	4	24
1,3-Dichloropropane	ND		1.99	2.22		mg/Kg	☼	112	76 - 125	2	16
Dibromochloromethane	ND		1.99	2.23		mg/Kg	☼	112	78 - 127	4	25
1,2-Dibromoethane (EDB)	ND		1.99	2.00		mg/Kg	☼	101	80 - 121	4	18
Chlorobenzene	ND		1.99	2.23		mg/Kg	☼	112	80 - 129	4	25
Ethylbenzene	ND		1.99	2.24		mg/Kg	☼	113	77 - 126	2	25
1,1,1,2-Tetrachloroethane	ND		1.99	2.16		mg/Kg	☼	109	80 - 128	4	25
1,1,2,2-Tetrachloroethane	ND		1.99	2.37		mg/Kg	☼	119	75 - 128	9	22
m,p-Xylene	ND		1.99	2.25		mg/Kg	☼	113	78 - 130	4	23
o-Xylene	ND		1.99	2.19		mg/Kg	☼	110	77 - 129	3	25
Styrene	ND		1.99	2.27		mg/Kg	☼	114	80 - 128	0	25
Bromoform	ND		1.99	2.24		mg/Kg	☼	113	72 - 133	8	34
Isopropylbenzene	ND		1.99	2.25		mg/Kg	☼	113	78 - 139	1	24
Bromobenzene	ND		1.99	2.32		mg/Kg	☼	117	75 - 129	1	25
N-Propylbenzene	ND		1.99	2.39		mg/Kg	☼	120	77 - 131	3	25
1,2,3-Trichloropropane	ND		1.99	2.32		mg/Kg	☼	117	67 - 131	4	27
2-Chlorotoluene	ND		1.99	2.22		mg/Kg	☼	112	77 - 135	3	20
1,3,5-Trimethylbenzene	ND		1.99	2.41		mg/Kg	☼	121	76 - 133	5	20
4-Chlorotoluene	ND		1.99	2.33		mg/Kg	☼	117	77 - 133	1	25
tert-Butylbenzene	ND		1.99	2.42		mg/Kg	☼	122	76 - 130	3	16
1,2,4-Trimethylbenzene	ND		1.99	2.50		mg/Kg	☼	126	76 - 132	4	21

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

Lab Sample ID: 590-16195-2 MSD
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	ND		1.99	2.46		mg/Kg	☼	124	76 - 130	2	34
1,3-Dichlorobenzene	ND		1.99	2.30		mg/Kg	☼	116	80 - 123	2	18
p-Isopropyltoluene	ND		1.99	2.51		mg/Kg	☼	127	80 - 130	3	26
1,4-Dichlorobenzene	ND		1.99	2.29		mg/Kg	☼	116	80 - 125	3	16
n-Butylbenzene	ND		1.99	2.35		mg/Kg	☼	119	80 - 131	2	20
1,2-Dichlorobenzene	ND	*+	1.99	2.32		mg/Kg	☼	117	80 - 124	5	25
1,2-Dibromo-3-Chloropropane	ND		1.99	2.11		mg/Kg	☼	106	49 - 139	4	40
1,2,4-Trichlorobenzene	ND		1.99	2.27		mg/Kg	☼	114	79 - 126	0	25
1,2,3-Trichlorobenzene	ND		1.99	2.29		mg/Kg	☼	115	66 - 130	3	25
Hexachlorobutadiene	ND		1.99	2.58		mg/Kg	☼	130	80 - 136	2	25
Naphthalene	ND		1.99	2.26		mg/Kg	☼	114	53 - 144	3	36
Methyl tert-butyl ether	ND	*+	1.99	2.29		mg/Kg	☼	115	80 - 123	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*76 - 122*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 129*

Lab Sample ID: 590-16195-1 DU
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-1 (2-3)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	ND			ND		mg/Kg	☼			NC	24
Chloromethane	ND			ND		mg/Kg	☼			NC	22
Vinyl chloride	ND			ND		mg/Kg	☼			NC	20
Bromomethane	ND			ND		mg/Kg	☼			NC	21
Chloroethane	ND			ND		mg/Kg	☼			NC	25
Trichlorofluoromethane	ND			ND		mg/Kg	☼			NC	25
1,1-Dichloroethene	ND			ND		mg/Kg	☼			NC	18
Methylene Chloride	ND			ND		mg/Kg	☼			NC	40
trans-1,2-Dichloroethene	ND			ND		mg/Kg	☼			NC	25
1,1-Dichloroethane	ND			ND		mg/Kg	☼			NC	25
2,2-Dichloropropane	ND	*+		ND	*+	mg/Kg	☼			NC	22
cis-1,2-Dichloroethene	ND	*+		ND	*+	mg/Kg	☼			NC	23
Bromochloromethane	ND			ND		mg/Kg	☼			NC	25
Chloroform	ND			ND		mg/Kg	☼			NC	25
1,1,1-Trichloroethane	ND			ND		mg/Kg	☼			NC	19
Carbon tetrachloride	ND			ND		mg/Kg	☼			NC	25
1,1-Dichloropropene	ND			ND		mg/Kg	☼			NC	24
Benzene	ND			ND		mg/Kg	☼			NC	25
1,2-Dichloroethane	ND			ND		mg/Kg	☼			NC	25
Trichloroethene	ND			ND		mg/Kg	☼			NC	25
1,2-Dichloropropane	ND	*+		ND	*+	mg/Kg	☼			NC	20
Dibromomethane	ND	*+		ND	*+	mg/Kg	☼			NC	24
Bromodichloromethane	ND			ND		mg/Kg	☼			NC	26
cis-1,3-Dichloropropene	ND	*+		ND	*+	mg/Kg	☼			NC	24

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

Lab Sample ID: 590-16195-1 DU
Matrix: Solid
Analysis Batch: 33784

Client Sample ID: SB-1 (2-3)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Toluene	ND			ND		mg/Kg	☼			NC	25
trans-1,3-Dichloropropene	ND			ND		mg/Kg	☼			NC	28
1,1,2-Trichloroethane	ND			ND		mg/Kg	☼			NC	31
Tetrachloroethene	ND			ND		mg/Kg	☼			NC	24
1,3-Dichloropropane	ND			ND		mg/Kg	☼			NC	16
Dibromochloromethane	ND			ND		mg/Kg	☼			NC	25
1,2-Dibromoethane (EDB)	ND			ND		mg/Kg	☼			NC	18
Chlorobenzene	ND			ND		mg/Kg	☼			NC	25
Ethylbenzene	ND			ND		mg/Kg	☼			NC	25
1,1,1,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	25
1,1,2,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	22
m,p-Xylene	ND			ND		mg/Kg	☼			NC	23
o-Xylene	ND			ND		mg/Kg	☼			NC	25
Styrene	ND			ND		mg/Kg	☼			NC	25
Bromoform	ND			ND		mg/Kg	☼			NC	34
Isopropylbenzene	ND			ND		mg/Kg	☼			NC	24
Bromobenzene	ND			ND		mg/Kg	☼			NC	25
N-Propylbenzene	ND			ND		mg/Kg	☼			NC	25
1,2,3-Trichloropropane	ND			ND		mg/Kg	☼			NC	27
2-Chlorotoluene	ND			ND		mg/Kg	☼			NC	20
1,3,5-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	20
4-Chlorotoluene	ND			ND		mg/Kg	☼			NC	25
tert-Butylbenzene	ND			ND		mg/Kg	☼			NC	16
1,2,4-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	21
sec-Butylbenzene	ND			ND		mg/Kg	☼			NC	34
1,3-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	18
p-Isopropyltoluene	ND			ND		mg/Kg	☼			NC	26
1,4-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	16
n-Butylbenzene	ND			ND		mg/Kg	☼			NC	20
1,2-Dichlorobenzene	ND	*+		ND	*+	mg/Kg	☼			NC	25
1,2-Dibromo-3-Chloropropane	ND			ND		mg/Kg	☼			NC	40
1,2,4-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	25
1,2,3-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	25
Hexachlorobutadiene	ND			ND		mg/Kg	☼			NC	25
Naphthalene	ND			ND		mg/Kg	☼			NC	36
Methyl tert-butyl ether	ND	*+		ND	*+	mg/Kg	☼			NC	25

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*76 - 122*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 129*

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

Lab Sample ID: MB 590-33778/1-A
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		10/28/21 09:16	10/28/21 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*41.5 - 162*	*10/28/21 09:16*	*10/28/21 11:03*	*1*

Lab Sample ID: LCS 590-33778/3-A
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33778

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			50.2	58.6		mg/Kg		117	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*41.5 - 162*

Lab Sample ID: LCSD 590-33778/19-A
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33778

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			50.2	62.0		mg/Kg		124	74.4 - 124	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*41.5 - 162*

Lab Sample ID: 590-16195-1 DU
Matrix: Solid
Analysis Batch: 33783

Client Sample ID: SB-1 (2-3)
Prep Type: Total/NA
Prep Batch: 33778

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	ND			ND		mg/Kg	☼			NC	32.3

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*41.5 - 162*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-33735/1-A
Matrix: Solid
Analysis Batch: 33742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
2-Methylnaphthalene	ND		10	3.1	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
1-Methylnaphthalene	ND		10	2.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Acenaphthylene	ND		10	3.3	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Acenaphthene	ND		10	2.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Fluorene	ND		10	2.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 590-33735/1-A
Matrix: Solid
Analysis Batch: 33742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10	3.6	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Anthracene	ND		10	2.0	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Fluoranthene	ND		10	2.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Pyrene	ND		10	3.8	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[a]anthracene	ND		10	2.1	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Chrysene	ND		10	1.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[b]fluoranthene	ND		10	3.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[k]fluoranthene	ND		10	2.5	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[a]pyrene	ND		10	4.2	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Indeno[1,2,3-cd]pyrene	ND		10	3.0	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Dibenz(a,h)anthracene	ND		10	2.8	ug/Kg		10/26/21 09:51	10/26/21 15:15	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg		10/26/21 09:51	10/26/21 15:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*33 - 120*	*10/26/21 09:51*	*10/26/21 15:15*	*1*
2-Fluorobiphenyl (Surr)	*70*		*47 - 120*	*10/26/21 09:51*	*10/26/21 15:15*	*1*
p-Terphenyl-d14	*96*		*74 - 120*	*10/26/21 09:51*	*10/26/21 15:15*	*1*

Lab Sample ID: LCS 590-33735/2-A
Matrix: Solid
Analysis Batch: 33742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	267	204		ug/Kg		76	45 - 120
2-Methylnaphthalene	267	223		ug/Kg		83	48 - 120
1-Methylnaphthalene	267	219		ug/Kg		82	44 - 120
Acenaphthylene	267	207		ug/Kg		78	52 - 120
Acenaphthene	267	234		ug/Kg		88	53 - 120
Fluorene	267	236		ug/Kg		88	55 - 120
Phenanthrene	267	265		ug/Kg		99	57 - 121
Anthracene	267	263		ug/Kg		99	60 - 120
Fluoranthene	267	229		ug/Kg		86	63 - 127
Pyrene	267	285		ug/Kg		107	61 - 125
Benzo[a]anthracene	267	266		ug/Kg		100	61 - 131
Chrysene	267	268		ug/Kg		100	67 - 127
Benzo[b]fluoranthene	267	236		ug/Kg		89	61 - 127
Benzo[k]fluoranthene	267	221		ug/Kg		83	63 - 127
Benzo[a]pyrene	267	223		ug/Kg		84	60 - 126
Indeno[1,2,3-cd]pyrene	267	266		ug/Kg		100	63 - 128
Dibenz(a,h)anthracene	267	243		ug/Kg		91	60 - 121
Benzo[g,h,i]perylene	267	254		ug/Kg		95	58 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*76*		*33 - 120*
2-Fluorobiphenyl (Surr)	*80*		*47 - 120*
p-Terphenyl-d14	*98*		*74 - 120*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 590-33735/3-A
Matrix: Solid
Analysis Batch: 33762

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33735

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			267	211		ug/Kg		79	45 - 120	3	20
2-Methylnaphthalene			267	222		ug/Kg		83	48 - 120	0	20
1-Methylnaphthalene			267	229		ug/Kg		86	44 - 120	4	15
Acenaphthylene			267	224		ug/Kg		84	52 - 120	8	20
Acenaphthene			267	222		ug/Kg		83	53 - 120	5	15
Fluorene			267	223		ug/Kg		84	55 - 120	5	21
Phenanthrene			267	260		ug/Kg		98	57 - 121	2	18
Anthracene			267	267		ug/Kg		100	60 - 120	2	18
Fluoranthene			267	228		ug/Kg		86	63 - 127	0	18
Pyrene			267	285		ug/Kg		107	61 - 125	0	26
Benzo[a]anthracene			267	265		ug/Kg		99	61 - 131	0	16
Chrysene			267	263		ug/Kg		99	67 - 127	2	15
Benzo[b]fluoranthene			267	237		ug/Kg		89	61 - 127	0	16
Benzo[k]fluoranthene			267	238		ug/Kg		89	63 - 127	7	16
Benzo[a]pyrene			267	230		ug/Kg		86	60 - 126	3	20
Indeno[1,2,3-cd]pyrene			267	236		ug/Kg		89	63 - 128	12	18
Dibenz(a,h)anthracene			267	212		ug/Kg		80	60 - 121	14	18
Benzo[g,h,i]perylene			267	228		ug/Kg		85	58 - 129	11	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*77*		*33 - 120*
2-Fluorobiphenyl (Surr)	*81*		*47 - 120*
p-Terphenyl-d14	*97*		*74 - 120*

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

Lab Sample ID: MB 590-33761/1-A
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33761

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		10/27/21 10:00	10/27/21 13:34	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		10/27/21 10:00	10/27/21 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*10/27/21 10:00*	*10/27/21 13:34*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*10/27/21 10:00*	*10/27/21 13:34*	*1*

Lab Sample ID: LCS 590-33761/2-A
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33761

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	62.7		mg/Kg		94	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	71.0		mg/Kg		107	50 - 150		

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

Lab Sample ID: LCS 590-33761/2-A
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33761

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*109*		*50 - 150*
n-Triacontane-d62	*121*		*50 - 150*

Lab Sample ID: 590-16195-2 DU
Matrix: Solid
Analysis Batch: 33769

Client Sample ID: SB-2 (4-5)
Prep Type: Total/NA
Prep Batch: 33761

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*91*		*50 - 150*
n-Triacontane-d62	*103*		*50 - 150*

Lab Chronicle

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-1 (2-3)
Date Collected: 10/22/21 10:35
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-1
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.214 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 12:49	JSP	TAL SPK
Total/NA	Prep	5035			5.214 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 12:49	JSP	TAL SPK
Total/NA	Prep	3550C			15.16 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		10			33742	10/26/21 17:40	NMI	TAL SPK
Total/NA	Prep	3550C			15.59 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 14:14	REA	TAL SPK

Client Sample ID: SB-2 (4-5)
Date Collected: 10/22/21 12:45
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-2 (4-5)
Date Collected: 10/22/21 12:45
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-2
Matrix: Solid
Percent Solids: 69.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.038 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 13:31	JSP	TAL SPK
Total/NA	Prep	5035			4.038 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 13:31	JSP	TAL SPK
Total/NA	Prep	3550C			15.18 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		1			33742	10/26/21 18:04	NMI	TAL SPK
Total/NA	Prep	3550C			15.11 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 14:34	REA	TAL SPK

Client Sample ID: SB-3 (2-3)
Date Collected: 10/22/21 13:30
Date Received: 10/25/21 11:00

Lab Sample ID: 590-16195-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-3 (2-3)
Lab Sample ID: 590-16195-3
Date Collected: 10/22/21 13:30
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.945 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 14:56	JSP	TAL SPK
Total/NA	Prep	5035			4.945 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 14:56	JSP	TAL SPK
Total/NA	Prep	3550C			15.61 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		1			33742	10/26/21 18:28	NMI	TAL SPK
Total/NA	Prep	3550C			15.55 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 15:14	REA	TAL SPK

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4
Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-4 (2-3)
Lab Sample ID: 590-16195-4
Date Collected: 10/22/21 14:15
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.844 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 15:17	JSP	TAL SPK
Total/NA	Prep	5035			4.844 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 15:17	JSP	TAL SPK
Total/NA	Prep	3550C			15.62 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		1			33742	10/26/21 18:52	NMI	TAL SPK
Total/NA	Prep	3550C			15.47 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33769	10/27/21 15:34	REA	TAL SPK

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5
Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			33755	10/26/21 15:55	KBZ	TAL SPK

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5
Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.053 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 15:38	JSP	TAL SPK
Total/NA	Prep	5035			5.053 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 15:38	JSP	TAL SPK

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-5 (1-2)
Lab Sample ID: 590-16195-5

Date Collected: 10/22/21 15:00
Matrix: Solid
Date Received: 10/25/21 11:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.36 g	2 mL	33735	10/26/21 09:51	KBZ	TAL SPK
Total/NA	Analysis	8270E SIM		5			33742	10/26/21 19:16	NMI	TAL SPK
Total/NA	Prep	3550C			15.49 g	5 mL	33761	10/27/21 10:00	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		10			33769	10/28/21 07:42	REA	TAL SPK

Client Sample ID: Trip Blank
Lab Sample ID: 590-16195-6

Date Collected: 10/22/21 10:00
Matrix: Solid
Date Received: 10/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.31 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	33784	10/28/21 15:59	JSP	TAL SPK
Total/NA	Prep	5035			10.31 g	10 mL	33778	10/28/21 09:19	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	33783	10/28/21 15:59	JSP	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Hart & Hickman, PC
Job ID: 590-16195-1
Project/Site: Northwest Motorsports - Puyallup

Laboratory: Eurofins TestAmerica, Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NWTPH-Dx	3550C	Solid	Residual Range Organics (RRO) (C25-C36)

Method Summary

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 590-16195-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK
5035	Closed System Purge and Trap	SW846	TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Adam Mithalek	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6947-2037.1
Client Contact: Carlin Slusher	Phone: 916-616-7308	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: WA	Page: Page 1 of 1
Company: Hart & Hickman, PC	PWSID:			Job #:
Address: 3921 Sunset Ridge Rd Suite 301	Due Date Requested:			
City: Raleigh	TAT Requested (days): 3 day			
State, Zip: NC, 27607	Compliance Project: Δ Yes Δ No			
Phone: 919-723-2517(Tel)	PO #: Purchase Order not required			
Email: cslusher@harthickman.com	WO #:			
Project Name: Northwest MotorSports - Puyallup	Project #: 59002274			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	8260D - Standard Analyte List	NWTPH_Gx_MS - Gx by GCMS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	F	F		
SB-1 (2-3)	10/22/21	1035	G	Solid			X	X				
SB-2 (4-5)		1245		Solid								
SB-3 (2-3)		1330		Solid								
SB-4 (2-3)		1415		Solid								
SB-5 (1-2)		1500		Solid								
Trip Blank	10/14/21	—		Solid					X	X		
				Solid								
				Solid								
				Solid								

590-16195 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
1	adammithalek	10/22/21 1740	H3H	Fed Ex		
2				Randee Arrington	10/25/21 1100	EPSD
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.1°C corr. FP005

10/28/2021

Login Sample Receipt Checklist

Client: Hart & Hickman, PC

Job Number: 590-16195-1

Login Number: 16195
List Number: 1
Creator: Arrington, Randee E

List Source: Eurofins TestAmerica, Spokane

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

AECOM Environment

Prepared for:
RFJ Partner Group

Prepared by:
AECOM
Seattle, Washington
Job No. 60620698
February 4, 2020

Phase I Environmental Site Assessment
Northwest Motor Sport (Site #3)
400 and 506 River Road, and 4th St NW
Puyallup, Washington

February 4, 2020

Mr. Rick Ford, President/CEO
RFJ Automotive Partners Inc.
500 N Central Expressway, Ste 320
Plano, TX 75074

Phase I Environmental Site Assessment
Northwest Motor Sports (Site #3)
400 and 506 River Road
Puyallup, WA

Dear Mr. Ford:

This report presents AECOM's Phase I Environmental Site Assessment (ESA) of the Northwest Motor Sports (NWMS) property located at 400 and 506 River Road in Puyallup, Washington (Site #3). The report presents pertinent information obtained by documentary review, a site reconnaissance, as well as our findings regarding environmental conditions of the property. This work was conducted in accordance with our proposal dated December 12, 2019. To facilitate RFJ review of the NW Motorsport portfolio of sites, each site was assigned with a specific site number.

We trust this report meets your current requirements. AECOM appreciates the opportunity to assist you on this project. Please do not hesitate to contact us if you have any questions regarding this report or require additional assistance.

Sincerely,

URS Corporation

Al Thatcher
Senior Environmental Scientist

David Raubvogel,
Senior Geologist, LHG

AECOM
1111 3rd Avenue, Suite 1600
Seattle, Washington 98101
Tel: 206.438.2700
Fax: 866.495.5288

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FIGURES

APPENDICES

1.0 INTRODUCTION

AECOM was retained by RFJ Automotive Partners, Inc. (RFJ) to perform a Phase I Environmental Site Assessment (ESA) of the Northwest Motor Sport (NWMS) property (Site #3), consisting of three parcels located at 400 River Road (Pierce County Parcel #04214-807), 506 River Road (Pierce County Parcel #04214-014), and 4th Street NW (Pierce County Parcel #04214-057) in Puyallup, Washington (subject property). The 3.9-acre property is developed with four buildings occupied by automotive sales, repair and maintenance operations, and offices. This Phase I ESA was conducted in accordance with the scope of work presented in our proposal to RFJ Automotive Partners, Inc. (RFJ) dated December 12, 2019.

1.1 PURPOSE AND SCOPE OF WORK

It is our understanding that RFJ is considering purchase of the subject property and desires a Phase I ESA. The purpose of this Phase I ESA is to provide the client with information for use in evaluating recognized environmental conditions (RECs) associated with the subject property. The scope of work was conducted in general accordance with the ASTM International (ASTM) Standard Practice for Environmental Site Assessments (Standard E1527-13). Adherence to a particular financial or other institution's protocols or guidelines was not requested.

Per the ASTM standard a REC is defined by the ASTM standard as:

- The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

The ASTM Standard E1527-13 also includes the evaluation of environmental conditions comprising a controlled REC (CREC), a historical REC (HREC), or as a *de minimis* condition.

- HRECs are a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.
- CRECs are a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- De minimis conditions are conditions that generally do not present a material risk of harm to public health or the environment and generally would not be subject of an enforcement action if brought to the attention of the appropriate governmental agency.

The assessment reviewed past and present land use practices and site operations related to the use, storage, generation, manufacture, and disposal of hazardous substances and petroleum products at the subject property.

This assessment was accomplished by, and limited to, a reconnaissance of the site, a drive-by survey of the site vicinity, a review of publicly available records, interviews of pertinent individuals and regulatory and public agency personnel, and a review of pertinent documentation provided by Holland and readily available through AECOM' standard information sources. The site vicinity is defined as the neighboring properties and facilities within an approximate distance of 1/8 mile of the subject property, the nature of which may adversely affect or have affected environmental conditions at the subject property due to the presence and/or release of hazardous substances or petroleum products to the environment.

AECOM's scope of work included the following elements:

- Review of pertinent, available documents and maps concerning local geologic and hydrogeologic conditions
- Review and interpretation of historical aerial photographs of the subject property and the site vicinity for selected years back to the property's first developed use or 1940, whichever is earlier, from readily available sources
- Review and interpretation of available archival topographic maps, historical land use maps (e.g., Metsker, Kroll, and Sanborn Fire Insurance maps) and business directories (e.g., Cole's and Polk's) covering the subject property and the site vicinity for information about historical site land use that could have involved the manufacture, generation, use, storage and disposal of petroleum products and hazardous substances
- Performance of a reconnaissance survey of the subject property to make visual observations of existing site conditions and activities
- Review of current local, state, and federal lists of known or potentially hazardous waste sites and landfills, and sites currently under investigation for environmental violations located within ASTM-specified search distances of the subject property (ranging from the subject property itself up to a 1-mile radius depending on the nature of the list reviewed) including:
  - U.S. Environmental Protection Agency (EPA) National Priorities ("Federal Superfund") List
  - EPA Delisted NPL List

  - EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and CERCLIS No Further Remedial Action Planned (NFRAP) Lists
  - EPA Emergency Response Notification System (ERNS) List
  - EPA Resource Conservation and Recovery Act (RCRA) List
  - EPA RCRA Corrective Action (CORRACTS) Treatment, Storage, and Disposal (TSD) Facilities List
  - EPA Institutional and Engineering Controls databases
  - EPA Brownfields Sites
  - State and Tribal lists of hazardous waste sites
  - State and Tribal–equivalent NPL sites list
  - State and Tribal–equivalent CERCLIS sites list
  - State and Tribal Leaking Underground Storage Tank (LUST) Sites List
  - State and Tribal Listing of Registered Underground Storage Tanks (USTs)
  - State and Tribal Institutional and Engineering Controls databases
  - State and Tribal Voluntary Cleanup Sites
  - State and Tribal List of Active Landfills and/or Solid Waste Disposal Sites
  - State and Tribal Brownfields Sites
- Interview of the property owner, or other persons identified as knowledgeable of the property history, for information about the land use history of the subject property and past and present practices regarding use, storage, and disposal of petroleum products and hazardous substances
- Request and review information from the report “User” as outlined in the “User’s Responsibilities” section of the ASTM E1527–13 guidelines
- Inquire with selected state and local regulatory agencies by submitting a request for information regarding environmental permits, environmental violations or incidents, and status of potential enforcement actions at the property
- Preparation of this report describing the research performed and presenting AECOM’ findings about the potential for environmental contamination at the site

The scope of services was limited to that stated in AECOM’ proposal and did not include 1) sampling and analysis of environmental media, 2) seismic hazards / structural integrity, 3) environmental compliance, or 4) other activities not expressly described in the written scope of services.

2.0 SITE LOCATION AND DESCRIPTION

2.1 SITE LOCATION

The subject property is located at 400 and 506 River Road, and an unspecified address on 4th Street NW in Puyallup, Washington (Figure 1). The site is bordered to the north by River Road, to the east by 4th Street NW, to the south by a moving and storage operation and to the west by another NWMS vehicle sales and repair operation. Land use in the site vicinity consists primarily of retail, car dealerships, professional service and commercial/consumer service operations such as, retail stores and restaurants.

2.2 SITE DESCRIPTION

The majority of the 3.90-acre property is asphalt paved parking used for the car and truck inventory parking. The main showroom and shops building (400 River Road) and building adjacent to the wash bay are located on the northeastern portion of the property (Figure 2). A small building (Buying Center - 506 River Road) is present on the northwestern portion of the property and another building (Lower Shop building) is present on the southwest portion of the property. A fourth building is located on the southeastern corner of the property and is used to stored vehicle wash chemicals and has an office area. Additional details regarding the subject property parcels is provided below:

Address	Building Occupancy	Parcel	Acres	Building Sq. Feet
400	Main Building –car sales showroom, north & south service shops, offices, parts Wash Bay Adjacent Building	0420214-807	2.74	17,259 400
506	Buying Center - Very small building for customer interactions	0420214-014	0.75	600
4th St NW	Automobile Repair - Lower Shop	0420214-057	0.41	4,000

Access to the property is from River Road and along 4th St NW which has a driveway ramp to the interior of the site. The Pierce County assessor web site indicates that the property is owned by HILT Investment Holdings.

3.0 TOPOGRAPHY AND HYDROGEOLOGY

3.1 TOPOGRAPHIC SETTING

The subject property is located in the southeast quarter of Section 20, Township 20 North, Range 4 East, Puyallup, Pierce County, Washington. Topographic coverage of the site vicinity is provided by the U.S. Geological Survey, Puyallup, Washington, 7½- minute quadrangle (Figure 1). The property ranges in elevation from approximately 27 to 38 feet above mean sea level (msl) and has a southerly slope. The northern and eastern halves of the property are at street level. The area south of the 400 River Road building has an approximate 10-foot difference in grade (Google Earth, 2020). A retaining wall runs along the eastern portion of the site separating the upper parking areas from the lower parking areas. The area topography slopes generally northeasterly towards the Puyallup River, the nearest surface water body, which is located approximately 1000 feet to the north.

3.2 HYDROGEOLOGIC SETTING

The site is underlain by quaternary alluvium deposited by the Puyallup River. These deposits consist of unconsolidated sand and gravels with silty sand and clay layers. An investigation (CDM 2011) conducted in the property vicinity identified overbank and point bar deposits to approximately 40 feet below ground surface (bgs). This unit is characterized by alternating poorly and well-graded sand layers, with some clay interbeds. A boring completed at the property encountered silty fine to medium sands at approximately 11 feet bgs and gravel was noted to 12 feet the total depth of the boring (The Riley Group, 2011). During removal of a 650-gallon UST, medium to course sand was noted to 10 feet bgs (EMS, 2004).

Groundwater was encountered at approximately 10 feet bgs in a boring completed near the southern property boundary. (The Riley Group, 2011). Groundwater in the subject property vicinity is inferred to flow southwesterly consistent with the site topography. The regional groundwater flow is inferred to be northerly towards the Puyallup River.

4.0 CLIENT PROVIDED INFORMATION

As specified in ASTM E 1527-13, Section 6 - User's Responsibilities, the report User is required to assist with identifying possible RECs. In an effort to meet this requirement, AECOM requested the following information:

- Environmental liens or activity and use limitations associated with the subject property
- Specialized knowledge or experience regarding the subject property
- Commonly known or reasonably ascertainable information regarding the subject property
- Whether the purchase price may reflect a valuation reduction for environmental issues; if applicable
- Reason for performing the Phase I ESA

RFJ did not provide responses to the AAI questionnaire that requested responses on the above information. RFJ reported that they have no knowledge of environmental liens or activity and use limitations (AULs) on the subject property. No AULs or environmental liens related to hazardous materials on the subject property were identified by AECOM' agency database review. RFJ reported they are not aware of specialized information that would indicate the presence of RECs related to the subject property. Northwest Motor Sport provided three reports for our review, as summarized in Section 5.2. RFJ reported they have not compared the proposed purchase price of the property to the fair market value for non-contaminated sites. AECOM understands that the Phase I ESA was conducted because RFJ is considering purchasing the property and desired this assessment to document current environmental conditions.

5.0 SITE HISTORY AND LAND USE

5.1 HISTORICAL RESOURCES

Historical information for the subject property and surrounding properties is based on AECOM's review and analysis of the following historical sources, provided by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut; and Google Earth:

- Aerial photographs dated 1957, 1968, 1972, 1980, 1990, 2006, 2009, 2013 and 2017;
- City Directories for various years between 1959 and 2014.
- Sanborn Fire Insurance maps dated 1927, 1945 and 1964.
- Topographic Maps dated 1897, 1900, 1941, 1944, 1949, 1961, 1968, 1973, 1981, 1994, 1997 and 2014.

Copies of these documents are provided as Appendix A. AECOM also reviewed documents related to the subject property from local sources including from the Pierce County Tax Assessor/ GIS web page. In addition, an interview was conducted with Mr.

Rick Schatz, Facilities Director for NWMS, who has been associated with the subject property for the past nine years, and with Mr. Paul Russell, Parts Director for NWMS.

For purposes of evaluating the information reviewed as detailed in this section of the report, the presence or absence of "significant change(s)" noted during the review refers to changes that are considered to be a change in land use with the potential to adversely affect the environment with regard to the use, generation, storage, or disposal of hazardous substances or petroleum products. Examples of changes termed "significant" include the appearance of a building, the devegetation of land, and/or ownership of property by entities appearing commercial and/or industrial in nature. The general locations of significant historical features summarized below are depicted on Figure 3.

Subject Property

Historical topographic maps indicate the subject property was occupied by one small building and woodlands by the 1940s. By the 1950s, the historical aerial photographs showed the small building was replaced with the main site building located on the central and northeastern portion of the subject property. By the late 1960s, the southwestern portion of the subject property was developed with a large building, a service garage similar in configuration to the present day. In addition, two smaller buildings were developed, one on the northwest side of the subject property, one being located on the 506 River Road parcel, and one small building, an office building, on the southeast side of the subject property, similar in configuration to the present day wash chemical storage area. The 1972 aerial photograph shows the building at 506 River Road was removed, as well as a portion of the main large site building. An addition to the main large site building is noted on the 1990 historical aerial photograph. By the 2013 historical aerial photograph, an additional small building was constructed in the southeast corner of the subject property.

The Pierce County Tax Assessor/ GIS website indicated that the large building located on the central and northeastern portion of the subject property was a showroom, office and two service garages constructed in 1953 with building additions in 1978 and 1986. The service garage on the southwest corner of the subject property is listed to have been built in 1966, with renovations in 1978. The small office building on the northwest side of the subject property is listed as being constructed in 1965, with a basement and storage additions in 1978. There were no listings for the service garage on the southeastern side of the subject property or the small office building on the northwestern side of the subject property.

The subject property address, 400 River Road, was listed in the 1959, 1964 and 1969 historical city directories as being occupied by Grant’s Chevrolet Inc. The address was listed 1974, 1979 and 1984 as being occupied by Service Chevrolet Inc. The address was listed in 1989, 1992 and 1995 as Parks Ken Chevrolet-Subaru Inc. The city directories listed the subject property for the year 2000 as being occupied by Bulletproof LLC and Puyallup Chevrolet-Geo-Subaru, 2005 as Bulletproof LLC., Friendly Chevrolet Inc, Greg Carters Puyallup Chevrolet and Ken Parks Chevrolet, in 2010 as Bulletproof LLC., and in 2014 as Bulletproof LLC. and Northwest Motorsport. The Subject property address, 506

River Road, was listed as being occupied by the US Department of Agriculture–Agriculture Stabilization and Conservation, US Department of Agriculture-Farmers, US Department of Natural Resources in 1964 and 1969. The 1974 historical city directories list 506 River Road as being vacant. There were no further listings for 506 River Road.

Off-Site Properties

The historical aerial photographs and topographic maps show the surrounding properties consisting mostly of undeveloped woodlands and fields until the early 1960s. The 1957 aerial photograph shows residential development south of the subject property. By the late 1960s, the adjacent northern, eastern and western properties were developed with commercial properties. The city directories list the adjacent properties to be commercial properties, largely vehicle sales from 1969 to 2014. The adjacent west parcel was first developed in the 1960s and listed as Puyallup Tractors. The adjacent southern parcel was developed in the 1960s and listed as Boush Moving & Storage and Grants Insurance Agency. The adjacent north parcel across River Road is first listed as Puyallup Chrysler Plymouth Auto Dealers in 1974. The 1969 city directory lists River Road Gulf Station at 324 River Road, east of 4th Street NW.

5.2 PREVIOUS ENVIRONMENTAL DOCUMENTS

Previous Phase I ESA reports and a Focused Ph II Subsurface Investigation were provided for our review by NWMS. AECOM inquired with the Washington State Department of Ecology (Ecology), and the City of Puyallup regarding additional environmental information on file, and none was provided. The previous environmental documents are summarized below, and selected portions are provided in Appendix B.

5.2.1 Focused Phase II Subsurface Investigation (Riley Group 2011)

The Riley Group (RG) evaluated the soil and groundwater conditions at an oil/water (OWS) located along the southern property. The RG report indicated that a Phase I ESA had been recently completed by Adapt Engineering (Adapt) and Adapt indicated that a feed line to the OWS may have leaked and was a possible risk to soil and groundwater. Although it was later determined that the line connection was intact. RG performed a limited Phase II that included one boring, SP1 advanced to a total depth of 12 feet bgs immediately downgradient of the OWS. Two soil samples and a grab groundwater sample were collected from the boring. Groundwater was encountered approximately 10 to 11 feet bgs in the borehole. No petroleum odors or staining were noted in the soils and the two soil samples (collected at 4 and 12 feet bgs) analyzed did not detect gasoline-range, diesel-, and oil-range total petroleum hydrocarbons in addition to benzene, toluene, ethylbenzene and totally xylenes (BTEX), or select volatile organic compounds (VOCs). None of the analytes were detected in the one groundwater sample.

5.2.2 Phase I Environmental Site Assessment Report (Partner 2013)

A 2013 Phase I ESA conducted by Partner indicated that the subject property had been vacant land until 1953, at which point the property was developed with a car dealership.

Since circa 1953, the subject property has continued to be occupied by automotive dealerships. At the time of this Phase I report, the subject property was reported by Partner as surrounded by current or former automotive dealerships to the north, east, and west, as well as Boush Moving & Storage to the south.

Partner observed circular cut-outs and concrete patches indicative of former in-ground hydraulic lifts in the current service bays. The lifts were purported to be removed in 1987 but one active in-ground hoist was located in the southernmost service bay. A 2003 Phase II Environmental Site Assessment investigation performed by Encore Environmental Consortium (Encore) included advancement of 11 soil borings in this area. These samples were tested for diesel- and gasoline-range total petroleum hydrocarbons. A total of 18 borings were advanced on the subject property as part of this investigation. Soil borings were also completed near the assumed location of a former gasoline UST, a closed-in-place heating-oil UST, and near the east property boundary. Two borings were placed near a waste-oil UST, and three were drilled near storm drains.

The soil analytical results indicated that various petroleum hydrocarbons and VOCs exceeded applicable Washington State Model Toxic Control Act (MTCA) cleanup levels; xylenes near the former gasoline UST; and gasoline and diesel range near the waste oil UST. No contamination was reported in the groundwater samples. The waste-oil tank was subsequently decommissioned and removed, with confirmation soil sampling results confirming the contamination was eliminated. A no-further-action (NFA) was then issued by the Tacoma-Pierce County Health Department.

Previous reports referenced from 2003 stated there was one active in-ground hydraulic lift housed in the southern-most service bay area that still contained hydraulic fluid. Partner stated that the previous consultant had recommended draining and removing the active lift, but Partner was unable to confirm whether this action properly took place through available documentation. This lift was not observed during Partner's site visit. The report indicated that the gasoline UST was removed in 1996, and two generations of waste oil USTs were removed from the same location, the first in 1987 and second in 2004. The heating oil UST was closed in place.

The Partner Phase I ESA reported two RECs, and an additional historical REC

- The lack of PCB analytical testing from the area near the former in-ground hydraulic lifts.
- The potential continued presence of the in-ground hydraulic lift located in the southern-most auto service bay area. Its removal was recommended in 2003, Partner was unable to locate documentation detailing removal and confirmation sampling. During preparation of this current AECOM Phase I ESA, records from April 2004 of the decommissioning of this hydraulic lift were located and are detailed in Section 8.3.

- A historic gasoline, heating oil, and two waste oil tanks located on the subject property are considered historical RECs, as there was documented removal and closure of each tank with confirmation sampling and soil remediation analytical results indicating proper regulatory closure.

5.2.3 Phase I Environmental Site Assessment (Robinson Noble 2016)

The 2016 Phase I ESA conducted at the property by Robinson Noble reported one REC at the subject property relating to potential soil and groundwater contamination from an emptied combination diesel and gasoline UST located on the southern adjacent property (Boush Moving & Storage). This adjacent property is inferred upgradient from the subject property, so if contamination did exist from the UST it could potentially migrate to the subject property.

The Robinson Noble Phase I report summarized the 2003 Phase II ESA performed by Encore based on the description from the Partner Phase I ESA (2013). The report indicated that since the xylene impacted soils at the former gasoline UST had been excavated in 2004 and approximately 26 tons of impacted soils were removed and subsequent soil sampling were below cleanup levels, this area was considered to represent a low risk. It should be noted that Robinson Noble and AECOM were unable to acquire the actual 2003 Encore Phase II report for review. This represents a data gap.

5.3 INTERVIEWS AND QUESTIONNAIRES

Representatives of the property owners and occupant were interviewed by AECOM. A Phase I ESA Questionnaire regarding the environmental conditions and current operations for the subject property, with respect to hazardous substances and petroleum products was completed by representatives of the parcels owned by HILT Investment Holdings, LLC. The property owner representatives reported that the property was previously occupied by Friendly Chevrolet, for an unknown period of time. They are not aware of historic releases or any soil or groundwater contamination associated with hazardous substances or petroleum products at the property, and not aware of environmental liens relating to violations of environmental laws. Hazardous substances or petroleum products are stored onsite, and hazardous wastes are not currently generated. The representatives reported the NWMS facility has occupied this location since 2011, and they are not aware of septic tanks or water supply wells currently or historically present on their property. Details of information from the property owner representatives are provided throughout the report.

6.0 SITE OBSERVATIONS

Messrs. Al Thatcher and Anders Utter of AECOM's Seattle, Washington office visited the subject property on December 20, 2019 and was accompanied for portions of the site visit

by Mr. Rick Schatz and Mr. Paul Russell of NWMS. Messrs. Schatz and Russell provided current and historic operations information during interviews. Site-related limiting conditions encountered during this assessment are summarized in Section 11.1. Photographs taken during the site visit are provided in Appendix C. The site visit methodology consisted of walking accessible areas of the subject property, the property perimeter, and viewing publicly accessible portions of the adjacent / surrounding area. The following sections summarize the results of the site visit.

6.1 GENERAL CONDITIONS

The subject property consists of three parcels located at 400 (2.74 acres) and 506 (0.75 acres) River Road, and an unnumbered parcel on 4th St NW (0.41 acre), that are owned by HILT. The majority of the property is covered by paved parking. The approximately 17,000 SF two-story main building and the 600 SF Buying Center are situated on the north portion of the property; the approximately 4,000 SF one-story lower shop building is in the southwest portion of the property; and a 300 SF two-story wash bay is present on the southeast portion of the property (Figure 2).

The main building includes a customer showroom, north and south vehicle service repair/shop areas, office spaces and a parts room (Figure 3); and the southwest building is primarily occupied by vehicle repair bays and a tire bay (Figure 2). The Buying Center building is reportedly occupied by office area, and the building adjacent to the covered vehicle wash bay is used for storage of wash bay chemicals and as office space and meeting room. The buildings are reportedly heated by natural gas heaters, some roof-mounted and some ceiling mounted units.

6.2 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

Various automotive related hazardous substances and petroleum products were observed in all buildings except the Buying Center building, including motor oil, coolant, automatic transmission fluid (ATF), parts washer solvent, vehicle washing chemicals, windshield washer fluid and brake fluid (Figures 2 and 3). The largest volumes of new chemicals were stored in aboveground storage tanks (ASTs) as detailed in Section 6.3, and the next greatest volume consisted of vehicle washing chemicals stored in 55-gallon drums in the southeast corner building.

Waste fluids, such as used oil, were stored in ASTs and in 55-gallon drums. One 55-gallon drum reportedly containing used coolant was observed in the southwest corner of the north shop. Numerous reportedly empty 55-gallon drums formerly containing vehicle undercoat were observed stacked on the southwest corner of the property (Figure 2).

The southeast corner building currently houses the vehicle wash chemicals used at the adjacent wash bay, a covered area of pavement utilized for washing vehicles. Vehicle engines are reportedly not washed. A portion of the concrete floor in the southeast corner building was observed to be deeply etched down to and around the aggregate of the concrete, apparently from releases of the vehicle washing chemicals.

The condition of the concrete floors in the remaining chemical use and storage areas was generally good to fair, with some cracks and expansion joints that could provide a pathway into the subsurface soils. However, staining was not observed that would have indicated significant chronic releases of hazardous materials/petroleum products or wastes. Generalized staining was observed that appeared typical for buildings the vintage of those on the subject property.

An accumulation of 55- and 25-gallon steel drums was observed on the southwest portion of the subject property, reportedly drums that formerly contained vehicle undercoat, from a historic vehicle undercoating operation that took place in the tire bay (north) portion of the lower shop. Staining or sheen was not observed on the pavement around these drums, and the undercoating operation reportedly stopped two years ago. Historic releases of chemicals from the vehicle maintenance and repair operations were not reported.

Hazardous wastes generation or storage was not observed or reported. Parts washing solvent utilized in two onsite parts washers uses an aqueous-based solvent. The parts washer solvent is changed out periodically by Emerald Services, and the spent solvent transported offsite. Used automobile batteries and tires are returned to the providers of new batteries and tires.

6.3 VEHICLE LIFTS/ HOISTS

Vehicle service hoists are currently all aboveground, and each equipped with approximately 3-gallon reservoirs of hydraulic fluid. Based on the apparent age of these hoists, the potential is low for the fluid to contain PCBs, and evidence of significant releases of the hydraulic fluid were not observed.

Numerous patched areas were noted on the concrete floor in the north and south shop areas (Figure 3) which appear to be former in-ground vehicle hoists locations. In ground hydraulic hoist systems were noted in the previous reports as summarized in Section 5.2, and documentation included the removal of this equipment and assessment of subsurface conditions.

6.4 POLYCHLORINATED BIPHENYLS (PCB)

Fluid-filled transformers were not observed on the subject property. Although some electric utilities around the property are aboveground, the closest fluid-filled transformers were observed on a pole along River Road near the northwest corner of the property, and apparently outside the subject property, and are believed to be owned by the electric utility. Hydraulic fluid associated with vehicle hoists is discussed in Section 6.1.

AECOM did not note additional equipment suspect of being PCB-containing, such as hydraulic elevators.

6.5 UNDERGROUND AND ABOVEGROUND STORAGE TANKS

No USTs are presently known to remain at the property, and no indications of USTs such as vent or fill pipes were observed during our walkthrough. Seven ASTs were observed at the subject property as shown on Figures 2 and 3, including:

- North Shop Area - Two new oil ASTs (465- and 250-gallon capacity; and one 500-gallon used oil AST;
- South Shop Area - two 200-gallon ASTs containing new oil; and
- Lower Shop Building - two approximately 150-gallon ASTs are located in the south end of the building in a separate room adjacent to the south of vehicle service Bay 19.

The floor in the area of the tanks had various degrees of oily staining and residue, sometimes extending to areas of the floor not accessible, e.g. behind the ASTs.

Based on the existing site information, four former USTs were previously in use at the property at the locations shown on Figure 2. Two generations of waste oil tanks (reportedly 1000 and 500 gallon) were present at the same location and both have been removed. A 5,000-gallon gasoline UST was removed in 1996. Information regarding the removals was summarized in Section 5.2. A 500-gallon heating oil UST located near the southeast corner of the showroom building was apparently closed-in-place.

Two capped pipes in the configuration of heating fuel oil UST supply and return pipes were observed in the basement level along the main building interior west wall, likely associated with the closed in place heating oil UST. The furnace in the current boiler room was natural gas-fired.

6.6 SOLID WASTE

Solid waste generated onsite is reportedly primarily cardboard, paper and plastic packaging, and includes some food waste. Solid waste is accumulated in several dumpsters observed on the property, and reportedly transported for offsite disposal by Waste Management. AECOM did not observe staining on the pavement around the dumpsters that would have indicated significant releases of chemicals to the subject property.

6.7 UTILITIES

Electrical service is provided by Pacific Power, and natural gas is provided by Puget Sound Energy. Potable water supply and sanitary and storm sewer services are reportedly provided by the City of Puyallup.

6.8 WATER SUPPLY AND MONITORING WELLS

AECOM did not observe, nor were water supply or monitoring wells reported, at the subject property.

6.9 WASTEWATER AND STORMWATER

Process wastewater currently generated at the subject property is primarily wash water generated by the vehicle wash operation on the southeast portion of the property (Figure 2). An aboveground oil-water separator (OWS) is present in a shed located adjacent west of the covered vehicle wash area. Two catch basins were observed in this area, one under the wash bay cover, the other adjacent to the southwest corner of the covered area. The catch basin to the southwest was observed to have two hoses running beneath the manhole cover, an apparent sump pump in the catch basin vault, and a hand cart-mounted pump used for pumping the wash water up to the municipal sewer system on 4th Street NW. These features are located beneath the south end of the covered wash area. The wastewater is reportedly pumped from this manhole to the east to a catch basin along 4th Street NW, and the hand cart-mounted pump is use during precipitation events when the sump pump in the manhole cannot keep up with the volume flowing. Connection of the OWS to the stormwater system was not confirmed. The separator was observed to have apparent coalescing plates and is reportedly pumped-out by a vendor for offsite disposal of the contents, on an as-needed basis. A copy of an invoice was provided for our review, from Emerald Services, Inc. dated November 4, 2019 for pumping out the oil-water separator, and disposal of oily waste.

Most of the precipitation that reaches the subject property discharges to stormwater catch basins in paved areas at the property. These catch basins reportedly discharge to the City of Puyallup municipal sewer system in 4th St NW. One stormwater catch basin was observed adjacent to the southeast corner of the main building and was reported to discharge into soils to the south of the drain.

One additional grate-covered catch basin/sump was observed in the area beneath the parking deck located along the east side of the building. This catch basin was equipped with a sump pump and piping leading up to the ceiling of this area. It is believed that this sump discharges storm water that makes it into his area, up to the municipal sewer system in 4th St NW.

The subject buildings are equipped with rest rooms generating sanitary sewerage, that discharge to the municipal sewer system.

Although a sheen was noted in some catch basins, AECOM did not observe staining or sheen, or note suspicious odors, that would have indicated significant hazardous substance/ petroleum product discharges in or around the catch basins.

6.10 DRAINS, SUMPS AND SEPARATORS

Other separators or sumps were not observed additional to those mentioned in Section 6.7. Other drains were observed such as in restrooms/showers, however, evidence was not observed that would have indicated discharge of chemicals to the drains.

7.0 NEIGHBORING PROPERTIES

Land use in the site vicinity consists primarily of vehicle sales dealerships, single-family residences, commercial/consumer service operations such as a hotels, restaurants, and retail stores (Figure 2).

A summary of the neighboring properties is provided below:

- North –River Road beyond which is a Key Bank and a Look Larson Motors car dealership
- Northeast – the intersection of River Road and 4th Street NW, beyond which is a City of Puyallup storm sewer pump station, a strip mall with consumer service operations, and a parking lot associated with a Fred Meyer department store.
- East - 4th St NW beyond which is a Look Larson Motors car dealership.
- South - a Boush Moving & Storage facility.
- West – buildings and paved parking associated with another Northwest Motor Sport dealership.

The adjacent car dealerships include vehicle repair operations similar to those observed in the subject property. Other current adjacent operations were not observed that would have indicated significant potential for releases of hazardous substances or petroleum products to the environment.

8.0 AGENCY DATABASE REVIEW AND CONTACTS

AECOM reviewed databases and contacted agencies to identify potential concerns related to hazardous materials/wastes or petroleum products.

8.1 AGENCY DATABASE REVIEW

In accordance with the scope of work and ASTM Standard E1527-13, a search of various governmental databases was conducted. The site-specific environmental database report was reviewed to evaluate whether soil and or groundwater from an on-site and/or off-site source of concern has the potential to impact the subject property. Environmental Data Resources, Inc. (EDR) provided this information from a computerized database search for the subject property and sites within applicable ASTM radii of the subject property (Appendix D). The database abbreviations are provided in the site-specific environmental database report.

Shallow groundwater is inferred to flow southeasterly based on the site topography. For the purpose of addressing the relative hydraulic location of a facility to the subject property, properties located to the east are inferred to be potentially hydraulically upgradient. However, groundwater flow at the subject property cannot be determined

without performing onsite groundwater evaluations. A listing and description of selected databases searched, and number of sites confirmed to be located within the applicable radii are summarized below.

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
National Priorities List (NPL)	The USEPA NPL identifies uncontrolled or abandoned hazardous waste sites. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a state's top priority site, pose a significant health or environmental threat, or be a site where the Environmental Protection Agency (EPA) has determined that remedial action is more cost-effective than removal action.	1 mile	0
Proposed NPL List	The USEPA Delisted NPL database identifies NPL sites that have been delisted when “no further response is appropriate” under the Superfund program.	1 mile	0
Delisted NPL List	The USEPA Delisted NPL database identifies NPL sites that have been delisted when “no further response is appropriate” under the Superfund program.	1 mile	0
Corrective Action (CORRACTS) List	The USEPA CORRACTS database identifies hazardous waste handlers with Resource Conservation & Recovery Act (RCRA) Corrective Action activity.	1 mile	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)/No Further Remedial Action Planned (NFRAP)	The CERCLIS database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment. CERCLIS NFRAP sites are also included on the new SEMS-ARCHIVE list.	0.5 mile	1

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
Federal RCRA treatment, storage, or disposal (TSD) sites	RCRA TSD sites	0.5 mile	0
Federal RCRA Generators	RCRA-regulated hazardous waste generator notifier list; large quantity generators (LQG), small quantity generators (SQG), conditionally-exempt generators (VSQG) and facilities that are no longer generators (NonGen) are included in this list.	0.25 mile	1
Federal institutional and engineering controls databases	EPA's listing of sites with engineering or institutional controls in place.	0.5 mile	0
Federal Emergency Response Notification System (ERNS)	EPA's ERNS list contains reported spill records of oil and hazardous substances.	Subject property	0
Federal Brownfields Sites	Sites identified by the EPA as addressed by Targeted Brownfield Assessments and as recipients of Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreements.	0.5 mile	0
Confirmed and Suspected Contaminated Sites List (CSCL)	Washington State hazardous waste site records. State equivalent of CERCLIS.	1 mile	30
Hazardous Sites List (HSL)	Washington State equivalent of NPL	1 mile	5
State solid waste disposal and landfill (SWLF/LF)	State inventory of solid waste disposal and landfill sites.	0.5 mile	1
State leaking underground storage tanks (LUST)	List of information pertaining to all reported LUST.	0.5 mile	10

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
State underground storage tank (UST)	State UST sites listing.	0.25 mile	13
State Institutional Controls	State list of sites with institutional controls.	0.5 mile	7
State Brownfields	Listing of Brownfields included in the CSCSL listings.	0.5 mile	0
Voluntary Cleanup Program (VCP)	Sites that have entered into the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.	0.5 mile	7
Manufactured Gas Plants	An EDR proprietary listing of manufactured gas plants	1 mile	0
Historical Auto Stations	An EDR proprietary listing of potential gas stations	0.25 mile	1
Historical Cleaners	An EDR proprietary listing of potential dry cleaners	0.25 mile	0
Unmapped "Orphan" sites	Sites that have not been plotted on a map due to lack of sufficient data regarding their exact location within the general area.	-	5

8.1.1 Subject Property

One listing for the subject property address of 400 River Road was identified by the database review report.

- Friendly Chevrolet of Puyallup – EDR Site ID 1 This listing places 400 River Road on the UST, ALLSITES, RCRA NonGen/NLR, FINDS, and ECHO databases. According to information from the EDR report and Ecology's online databases, four USTs have been removed from this facility: a 650-gallon used oil UST which was installed in 1987 and removed in 2004; a 2,000-gallon unleaded gasoline UST and a 550-gallon used oil UST which were installed in 1964 and removed in 1996; and a 650-gallon used oil UST with an unknown installation date which was removed in 2004. These tanks likely include the three USTs that were documented as removed from the site as described in previous reports (Section 5.2), although the tank capacities are not consistent with the prior reports and one closed in place heating oil tank is reported to exist. This facility reportedly generated hazardous waste in 1993, and 1997 through 2000 with no

reported violations. The subject property addresses were not identified on databases of confirmed or suspected contaminated sites.

Listings were not identified for the 506 River Road or other current or historic subject property addresses.

8.1.2 Adjacent Sites

Addresses adjacent to the subject property were identified as follows:

- Korum Family Limited (Former Korum, current Northwest Motor Sport Site #6) – EDR Site ID A2, A3 and A5 was identified adjacent to the west of the subject property at 500 and 514 River Road as Korum RV, on the UST, ALLSITES, RCRA NonGen/NLR, Facility Index System (FINDS), and Enforcement and Compliance History Online (ECHO) databases. The EDR report and Ecology's online databases, two USTs one containing unleaded gasoline and one of unreported contents were installed at the subject property in 1964 and removed in 1996. This facility was also identified as a generator of hazardous waste in 1993, and 1998 through 2002 with no reported violations. The site contact was not aware of any previous USTs at the property. In addition, the subject property was identified at 500 River Road rear building as Korum Family Limited (EDR Site IDs B4 and B5) on the RCRA NonGen/NLR, ALLSITES, and MANIFEST databases. This facility was reportedly a generator of hazardous waste in 2005 and 2006 with no reported violations. The subject property was not identified on any contamination-related databases.

- Puyallup City of, Sewage Pump Station – EDR ID B4 – This site is located at "4th & River Road", across the intersection adjacent to the northeast of the subject property and is listed on the UST and ALLSITES databases. According to the EDR report this property had a UST with unspecified contents closed in 1994. The ALLSITES listing for this property indicate the site in the Toxics program related to an UST.

- Puyallup Chrysler Plymouth River Rd – EDR ID A6 and A7 – This site is located at 401 River Rd, across River Road adjacent to the north of the subject property, and is listed on the UST and ALLSITES databases, and is listed on the RCRA NonGen/NLR, FINDS, ECHO, UST, and Allsites databases. The EDR report and Ecology's online databases, one UST was installed in 1964 was closed in place in 1996 and one gasoline UST was installed in 1964 was removed in 1996. These dates may not be accurate, as they are the default dates used by Ecology when specific installation and/or removal dates are not known. This facility may have generated hazardous waste in 1994 with no reported violations. The 401 River Road property was observed to be currently occupied by Larson Motors.

- Arthur J Boush Moving & Storage Inc – EDR ID 8 – This site is located at 820 4th Street NW, adjacent to the south of the subject property, and is listed on the UST

and ALLSITES databases. The EDR report and Ecology's online databases, a leaded gasoline UST installed in 1964 was closed in place in 1996. This facility is not identified on any contamination-related databases.

- Landis, Donald – EDR Site ID B9 This site was listed at 324 River Road, across River Road adjacent to the east across 4th Street NW from the subject property and was identified on the Historic Auto Station database as a "gasoline service station" in 1972.

- Larson Motors – EDR Site ID B14 This site was listed at 300 River Road, adjacent to the east across 4th Street NW and crossgradient of the subject property, on the UST, ALLSITES, RCRA NonGen / NLR, FINDS, ECHO and MANIFEST DATABASES. The UST listing indicated 5 USTs removed from this property. This facility was not identified on databases of confirmed or suspected contaminated sites.

8.1.3 Surrounding Sites

A total of 189 sites were identified in the environmental database report within the specified search radii of the subject property. Some of these sites appear on multiple regulatory databases, and/or multiple facilities are listed on a single address.

The database review report identified sites within ¼-mile radius, although the majority were not on databases of confirmed or suspected contaminated sites, were inferred down- to cross-gradient from the subject property and/or had a status of "Cleanup Complete" or Final Cleanup report received.

The remaining sites listed in the EDR database report are considered to have a low potential to have impacted environmental conditions at the subject property because of one or more of the following factors: the reported site status, absence of reported release, absence of reported groundwater impact from the reported release, the distance from the subject property, and/or the inferred hydrogeologic cross/downgradient location from the subject property.

Five (5) unmapped "orphan" sites were also identified in the EDR database report. Unmapped orphan sites are facilities/locations that have not been plotted on a map based on lack of sufficient data regarding their exact location within the general area. Some of these sites appear on multiple regulatory databases, and several facilities are listed without an exact address.

Orphan sites were not identified with a distance, location and status that would represent a concern to the subject property.

8.2 VAPOR ENCROACHMENT SCREENING

8.2.1 Subject Property

In order to evaluate the potential migration of hazardous substances or petroleum products in vapor, AECOM conducted a Vapor Encroachment Screening (VES). The purpose of the VES is to determine whether a potential Vapor Encroachment Condition (VEC) exists, likely exists, cannot be ruled out, or can be ruled out because a VEC does not or is not likely to exist. The VES is not an exhaustive screening and is intended to reduce, but not eliminate, uncertainty regarding whether a VEC exists in connection with a property. The VES considered whether known or suspected soil or groundwater contamination was located on the subject property or within search distances of the subject property as specified in ASTM E 2600-10 (ASTM International 2010).

No on-site or adjacent confirmed current sources of vapor encroachment (e.g. volatile organic compound (VOC) contaminated soil and groundwater) were identified by the database review during this assessment. However, automotive repair operations at the subject property may have used degreasers and solvents which if released into the subsurface, could result in a VEC.

8.2.2 Offsite Properties

The environmental database review report was evaluated with the particular focus on the following two types of sites:

1. Offsite properties that are impacted by VOCs and/or semi-volatile-organic compounds (SVOCs) and are located within approximately 1,760 feet of the subject property, and
2. Offsite properties that are impacted by petroleum hydrocarbons and are located within approximately 530 feet of the subject property.

Sites with VOCs and/or SVOCs contamination were identified within the two categories of sites detailed above. However:

- Many of those sites can be ruled out due to their regulatory status (i.e. regulatory closure has been issued, cleanup is complete), and
- The remaining can be ruled out due to their media impacted (i.e. lack of identified groundwater contamination), the non-volatile nature of the contaminants identified, and/or topographical position from the subject property and/or presence of physical barrier impeding potential migration of vapors to the subject property.

Based on the screening information presented in the preceding sections that documented groundwater contamination at nearby and upgradient properties, it is AECOM's opinion that a potential VEC for the subject property was not indicated.

8.3 AGENCY CONTACTS

In addition to the database list search, AECOM contacted selected state and local regulatory agencies to obtain documents regarding the environmental condition of the subject property and surrounding properties. Presented below is a listing of the various public agencies contacted and a summary of relevant findings:

- **Washington State Department of Ecology (Ecology)** – AECOM submitted a Public Records Request to Ecology, and reviewed Ecology's web site as described in Section 8.3, The subject property addresses included a 1991 notification of dangerous waste activities for the 400 River Road address from Ken Parks Chevrolet Subaru for solvent (listed as Safety Kleen) and anti-freeze. The UST Decommissioning Project report for Friendly Chevrolet at 400 River Road (dated April 5, 2004) was also provided, in addition to documents detailing previous UST tightness testing (August 2000) and retrofit/repair (December 1998). The April 2004 UST decommissioning report included a section covering the decommissioning and removal of the hydraulic lift system located in the third service stall in the southern service area.

  An Ecology "Source Control Partnership Site Report for Chevrolet of Puyallup, Inc." dated 2009 was reviewed (Ecology, 2009). The one-page report documented a visit by an Ecology staff member. During the visit, the staff member confirmed that the oil-water separator located at the facility discharged wastewater to the municipal sanitary sewer via a connection in the main building.

  One waste manifest on file with Ecology documented that in 1991, the Chevrolet dealer generated hazardous waste in the form of spent parts washer solvent and coolant.

- **City of Puyallup** – AECOM submitted a Public Records Request to the City of Puyallup to ascertain whether the city has information on file related to building plans and permits for the subject property. Information provided included a building plan for the 400 River Road address for Service Chevrolet dated August 1978, in addition to numerous constructions permits and basic property diagrams showing relative locations of site features. Only one document, an April 2003 Puyallup Chevrolet wall sign permit, was provided for the 506 River Road address.

- **Washington State Department of Ecology** - AECOM reviewed well logs available from Ecology to assess local hydrology and whether the subject property or adjacent parcels may have monitoring wells present. AECOM identified the presence of twelve boring logs for the subject property, ten of which were installed by Ruby Henderson in August 2003 with the other two installed by NWMS in April 2011. These logs indicate the presence of sand gravel to the maximum explored depth of 20 feet bgs, with groundwater at approximately 18 feet bgs.

- **Tacoma-Pierce County Health Department (TPCHD) -** AECOM submitted a Public Records Request to the TPCHD to inquire whether they are aware of concerns at the subject property related to hazardous substances or petroleum products. At the time of this report AECOM is awaiting notice whether TPCHD has information related to the subject property.
- **Puyallup Fire Prevention Division –** AECOM contacted the Fire Inspector's office (FIO) to inquire whether they have records of installation or removal of USTs or ASTs. At the time of this report AECOM is awaiting notice whether FIO has information related to the subject property.
- **Pierce County Tax Assessor** – The Pierce County Tax Assessor web site was reviewed, and a Parcel Information Report was developed for the subject parcel. Information encountered on this report is provided throughout our report.

We have not received responses from all of the agencies contacted as part of this Phase I ESA. Should AECOM obtain additional information that would indicate the potential for a REC on the subject property, these findings would be provided in an addendum to this report.

9.0 FINDINGS

AECOM performed a Phase I ESA of the subject property in general conformance with the scope and limitations of ASTM Practice E1527-13, which meets the requirements of Title 40, Code of Federal Regulations Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections. Exceptions to, or deletions from, this practice are described within this report.

Based on the visual observations and information presented in this report, AECOM presents the following findings regarding the NWMS Site #3 property at 400 and 506 River Road, and an unspecified address on 4th Street NW, in Puyallup, Washington.

9.1 SUBJECT PROPERTY

Findings regarding current or past use, storage, handling and/or disposal practices involving hazardous substances/petroleum products at the subject property are summarized below.

- The 400 River Road portion of the subject property was occupied by a small building and woodlands in the 1940s, the earliest resource reviewed illustrating development specific to the property. The main site building consisting of service garages, a car sales showroom and office space was constructed in 1953. Additional structures with offices were constructed in 1965 and 1990, and two additional service garages were built in 1966 and in the early 2010s. The subject property has historically been occupied by car sales and service facilities since the

1950s including Chevrolet, Subaru, Friendly Chevrolet of Puyallup, Bulletproof LLC, and Northwest Motorsport.

The 506 River Road portion of the subject property was listed as occupied by the US Department of Agriculture in the 1960s. By 1970s, the US Department of Agriculture was no longer listed at the address and the building that had been located on the northwestern portion of this parcel was no longer noted on historical aerial photographs.

- Previous reports provided for our review included: A Focused Phase II Subsurface Investigation (Riley Group, 2011), a 2013 Phase I ESA (Partner, 2013), and a 2016 Phase I ESA (Robinson Noble, 2016). Partner identified the lack of PCB testing during the 2011 assessment of the soil conditions near the former in-ground hydraulic lifts as a REC. They also indicated that the presence of in-ground hydraulic lifts located in the south service bay area was also a REC. Four UST formerly in use at the site, a gasoline, heating oil, and two waste oil tanks were considered historical RECs, as there is documented removal and closure of each tank with confirmation sampling and soil remediation analytical results indicating proper regulatory closure. The 2016 Phase I ESA (Robinson Noble, 2016) did not identify any on site RECs, but indicated they considered an inferred upgradient diesel/gasoline UST on the southern adjacent property (Boush Moving & Storage) a REC, although no indication of a release was reported. A 2003 Phase II ESA performed by Encore was summarized in the previous ESAs, but AECOM was not able to obtain a copy of this report for an independent assessment of the findings. This represents a data gap.
- The subject property consists of three parcels that are owned by HILT. The majority of the property is covered by paved parking used for vehicle inventory parking. An approximately 17,000 SF two-story main building and a small Buying Center are situated on the north portion of the property; an approximately 4,000 SF lower shop building is on the southwest portion of the property; and an approximately 300 SF building is present on the southeast portion of the property (Figure 2). The main building includes a customer showroom, north and south vehicle service repair/shop areas, office spaces and a parts room (Figure 3); and the southwest building is primarily occupied by vehicle repair bays and a tire bay.
- Documents obtained from Ecology included a 1991 notification of dangerous waste activities for the 400 River Road address for Ken Parks Chevrolet Subaru. The UST Decommissioning Project report for Friendly Chevrolet at 400 River Road (2004) was also provided, in addition to documents detailing previous UST tightness testing (2000) and retrofit/repair (1998). The 2004 UST decommissioning report (EMS, 2004) included a section covering the decommissioning and removal of the two hydraulic lift system located in the third service stall in the southern service area.
- No USTs are presently in use at the subject property. Four former USTs were identified at the property including: two generations of waste oil tanks (reportedly

1000 and 500 gallons) at the same location and both were removed; a 5,000-gallon gasoline UST removed in 1996 and a closed in place 500-gallon heating oil UST (Figure 2). Two capped pipes in the configuration of a heating oil UST supply and return were observed in the basement level of the main building interior west wall. Seven ASTs were observed at the subject property in the North Shop Area, the South Shop Area and the lower shop building. The ASTs contained new and used engine oil and ranged in size from 465 to 150 gallons (Figure 3). Other smaller quantities of hazardous materials were observed throughout the building including: engine coolant; automatic transmission fluid; windshield wash; brake fluid and parts washer solvent, in quantities commensurate with onsite use in motor vehicle repair operations. The floor in the area of the tanks had various degrees of oily staining and residue, however, staining was not observed that would have indicated the potential for significant releases to the subsurface environment.

- Vehicle service bay hoists are currently all aboveground, and each equipped with approximately 3-gallon reservoirs of hydraulic fluid. Based on the apparent age of these hoists, the potential is low for the fluid to contain PCBs, and evidence of significant releases of the hydraulic fluid were not observed. The former in ground hydraulic hoist locations were evident by patches in the floor in the north and south shop areas (Figure 3). A 2004 report (EMS, 2004) documented the removal of 2 hoists in the South Shop as well as the removal of the waste oil tank (Appendix B). The other eleven in ground hoists were reportedly removed in 1987 (Partner 2013). The Phase II investigation conducted in by Encore in 2003 included ten borings in the area of the former hoists (Partner, 2013), and no significant levels of petroleum hydrocarbons were reportedly detected in soil groundwater.
- The majority of precipitation that reaches the subject property discharges to stormwater catch basins observed in paved areas at the property. These catch basins reportedly discharge to the City of Puyallup municipal sewer system in 4th St NW. One stormwater catch basin was observed adjacent to the southeast corner of the main building that is reported to discharge into the subsurface consistent with a dry well. It was also reported that during times of high rainfall, this drain backs up, possibly due to the carrying capacity of the site soils being saturated.

9.2 PROPERTY VICINITY

Findings regarding current or past use, storage, handling and/or disposal practices involving hazardous substances/petroleum products in the subject property vicinity are described below.

- In the 1950s the surrounding parcels were mostly undeveloped, with developed residential properties to the south. By the 1960s the surrounding area was developed with commercial properties. The adjacent properties consisted of vehicle sales from 1969 to 2014. The adjacent west parcel was first developed in the 1960s and was listed as Puyallup Tractors. The adjacent southern parcel was

developed in the 1960s and listed as Boush Moving & Storage Inc and Grants Insurance Agency. The adjacent north parcel is first listed as Puyallup Chrysler Plymouth Auto Dealers in 1974. From approximately 1969 to mid-1970s River Road Gulf Station is listed at 324 River Road, adjacent east of the subject property, on the east side of 4th Street NW.

- Database review sites were not indicated to have created a VEC at the subject property.

10.0 CONCLUSIONS

AECOM performed a Phase I ESA at the NWMS Site #3 property at 400 and 506 River Road in Puyallup, Washington, in general conformance with the scope and limitations of ASTM Practice E1527-13.

10.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

The assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except as described below:

- Historical automotive repair/maintenance operations that have occurred within the north, south and lower shops; and vehicle covered wash bay. These operations have historically used and stored hazardous chemicals and petroleum products as well as generating associated automotive wastes (e.g. used oil and coolant, parts washer fluid, spent degreasers, etc.). Inadvertent releases or poor waste management may have resulted in impacts to the soil and groundwater quality. Historic site uses are collectively considered to be a REC and other specific RECs are summarized below.
- In ground hydraulic hoist were formerly in use in the north and south vehicle maintenance shops, these former features were evident by patches in the floor. Diesel- and gasoline-range total petroleum hydrocarbons were not detected during a previous investigation in the vicinity of the hydraulic lifts. It was noted that this investigation did not include testing for PCBs (Partner 2013). Therefore, potential presence of PCB contamination associated with operation of historical hydraulic lifts represents a REC.

Although not a REC, the following represents a potential environmental concern:

- A catch basin located adjacent to the southeast corner of the main building was reportedly a dry well, and at times of extended high precipitation, backs up and the water is pumped to another nearby catch basin.
- Surrounding properties were identified as historically, and some currently, as having been occupied by vehicle sales and service operations, including adjacent to the east which was listed as a gas station in 1972.

A Phase II investigation should be considered to assess whether the historic site uses have affected the site soil and groundwater quality. The investigation would focus on the auto repair and former in-ground vehicle repair hoists and catch basin/sumps.

10.2 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on the above-described activities, no CRECs were identified in connection with the subject property.

10.3 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

No HRECs were identified associated with the subject property.

10.4 DE MINIMIS CONDITIONS

The following DMCs were identified during this assessment:

- Staining was observed on floors in several locations in the subject buildings, including in the vehicle service shops, and in the parking areas. Staining in some areas of the building appeared generalized likely from years of incidental small-scale spills associated with vehicle maintenance and repair operations; and the staining in the parking lot appears consistent with incidental drips of motor vehicle fluids associated with years of vehicle parking.

11.0 LIMITATIONS

This Phase I ESA has been prepared for the exclusive use of RFJ in accordance with the Scope of Services described in AECOM's proposal prepared for RFJ dated December 12, 2019. The work conducted by AECOM is limited to the services agreed to with RFJ and no other services beyond those explicitly stated should be inferred or are implied.

This report describes the results of AECOM's Phase I ESA to identify the presence of contamination-related liabilities materially affecting the subject facility and/or property. In the conduct of this assessment, AECOM assessed the presence of such problems within the limits of the established scope of work as described in our proposal.

As with any due diligence assessment, there is a certain degree of dependence upon oral information provided by facility or site representatives, which is not readily verifiable through visual observations or supported by any available written documentation. AECOM shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings and opinions expressed in this report are subject to certain conditions and assumptions, which are noted in the report. Any party reviewing the findings of the report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject property. The statements, findings and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject property.

As specified in the ASTM standard (referred to below as "this practice"), it is incumbent that the client and any other parties who review and rely upon this report understand the following inherent conditions surrounding any Phase I ESA:

- Uncertainty Not Eliminated - No ESA can wholly eliminate uncertainty regarding the potential for REC in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for REC in connection with a property, and this practice recognizes reasonable limits of time and costs. (Section 4.5.1 of the ASTM standard)
- Not Exhaustive - "All appropriate inquiry" does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2 of the ASTM Standard)

- Comparison with Subsequent Inquiry - ESAs must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors. (Section 4.5.4 of the ASTM Standard)
- A similar set of inherent limitations exist in cases where the Phase I ESA included a screening-level assessment of vapor migration or vapor encroachment; such an assessment is a required part of a Phase I ESA when the ASTM E1527-13 standard is employed. According to the ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, the following limitations apply:
- Uncertainty Not Eliminated in Screening - No vapor encroachment screen (VES) can wholly eliminate uncertainty regarding the identifications of vapor encroachment conditions (VECs) in connection with the target property (Section 4.5.1).
- Not Exhaustive - The guide is not meant to be an exhaustive screening. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of real estate transactions. One of the purposes of this guide is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing a VES and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2)
- Comparison with Subsequent Investigations - It should not be concluded or assumed that an investigation was not adequate because the investigation did not identify any VECs in connection with a property. The VES must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent VESs should not be considered valid bases to judge the appropriateness of any prior screening if based on hindsight, new information, use of developing technology or analytical techniques, or similar factors (Section 4.5.4)
- This report was prepared pursuant to an agreement between RFJ and AECOM and is for the exclusive use of the Client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM-generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.
- The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions, which would render the report inaccurate. Reliance on this report after the date of issuance as an accurate representation of

current site conditions shall be at the user's sole risk, per ASTM standard practice (Section 4.6).

11.1 SITE-RELATED LIMITING CONDITIONS

The following site-specific limitations were encountered during the course of this assessment:

- Access was not provided to Rick's office (upper) level of the southeast corner building, however, the lower level of this building where chemicals are stored was accessed.

- The day of our site visit a record high amount of rainfall occurred, thereby limiting our visual assessment for staining and surface conditions.

- Parked vehicles and stored items around and in the subject buildings limited the visual assessment of the surface conditions.

11.2 DATA GAPS / DATA FAILURE

The following data failure/data gaps were encountered during the course of this assessment:

- As specified in the agreed upon scope of work, a deed history search and environmental lien search were not conducted as part of this ESA. However, based upon historical data collected from other sources, this data gap is not expected to impact the results of this assessment. In addition, the user was not aware of environmental liens or activity use limitations (AULs) that have been placed on the subject property, and the database review did not identify AULs for the subject property addresses.

- Per ASTM, past owners, operators, and occupants of the subject property who are likely to have material information regarding the potential for contamination at the subject property shall be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. AECOM was unable to interview past owners and/or operators at the subject property. However, based upon historical data collected from other sources, this data gap is not expected to represent a significant potential impact to the results of this assessment.

- Per ASTM, Users of the Phase I ESA report will provide specific information they may possess such as knowledge of environmental liens or activity and use limitations (AULs) on the subject property; any specialized information that would indicate the presence of RECs related to the subject property, and whether they have not compared the proposed purchase price of the property to the fair market value for non-contaminated sites. Northwest Motor Sport provided three reports for our review, as summarized in Section 5.2. AECOM did not receive such information from RFJ.

Opinions and recommendations presented herein apply to the subject property conditions existing at the time of our investigations and cannot necessarily apply to subject property changes of which AECOM is not aware and has not had the opportunity to evaluate. Changes in the conditions of this property may occur with time due to natural processes or the works of man on the subject property or adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

AECOM's objective is to perform our work exercising the customary standard of care, in accordance with the standard for professional services for a national consulting firm at the time these services are provided. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental liability on a particular site. Therefore, AECOM cannot act as insurers and cannot "certify or underwrite" that a site is free of environmental contamination, and no expressed or implied representation or warranty is included or intended in our reports except that our work was performed, within the limits prescribed by our client, in accordance with the customary and professional standard of care described herein.

12.0 PROJECT PERSONNEL

The Phase I ESA reported herein was conducted, and the report prepared, by Mr. Al Thatcher, Sr. Environmental Scientist of the Seattle, Washington office. Technical direction and review was provided by Mr. David Raubvogel, Sr. Geologist of our Seattle office. A brief description of their qualifications is presented below.

Mr. Thatcher has a Bachelor's degree in Natural Resource Studies and more than 35 years of experience working with hazardous / regulated materials, including conducting and managing over 1,000 ESAs, environmental assessments at manufacturing and industrial facilities, automobile repair facilities, power plants, military facilities, scrap yards and undeveloped parcels of land.

Mr. Raubvogel has a Bachelors and a Master's degree in geology and more than 36 years' experience conducting and managing Phase I ESAs and soil/groundwater remedial investigations and remedial actions. He is a Licensed Geologist in Washington and Wyoming.

13.0 DECLARATION OF ENVIRONMENTAL PROFESSIONALS

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR 312.10. We have the specific qualifications based on education, training, and experience to assess a property

of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in general conformance with the standards and practices set forth in 40 CFR Part 312 subject to the limitations as described in this report and authorized scope of work.

Al Thatcher
Senior Environmental Scientist

David Raubvogel
Senior Geologist, LHG, PG

14.0 REFERENCES

ASTM International (ASTM), 2013. Standard E1527-13, *"Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."*

CDM, 2011. Remedial Investigation Report, USG Interiors Puyallup Site, Puyallup, Washington. June 13.

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Environmental Data Resources, Inc. (EDR), 2019. *The EDR Aerial Photo Decade Package*, RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.8. December 17.

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EDR, 2019b. *The EDR-Radius Map with Geocheck*, RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.2s. December 17.

EDR, 2019c. *The EDR Certified Sanborn Map Report,* RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.3. December 18.

EDR, 2019d. *Historical Topographic Map Report,* RFJ Site #3, 400 River Road, Puyallup, WA 98371. Inquiry Number: 5909224.4. December 17.

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Ecology, 2009. Source Control Partnership - Site Report for Chevrolet of Puyallup, Inc. April 18.

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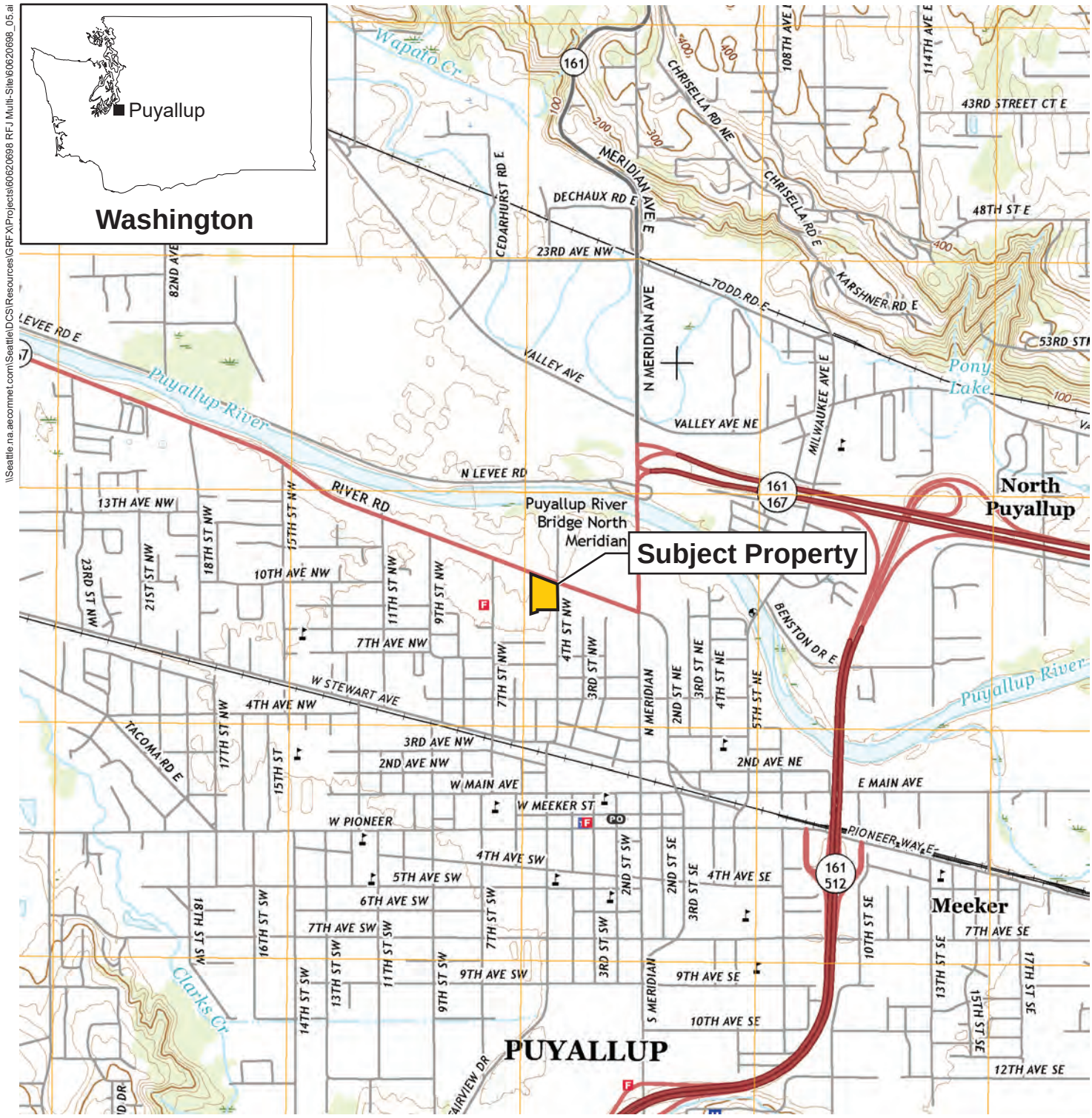
FIGURES



Source: USGS 7.5-minute topographic quadrangle, Puyallup, WA, 2017

0 2,000 4,000

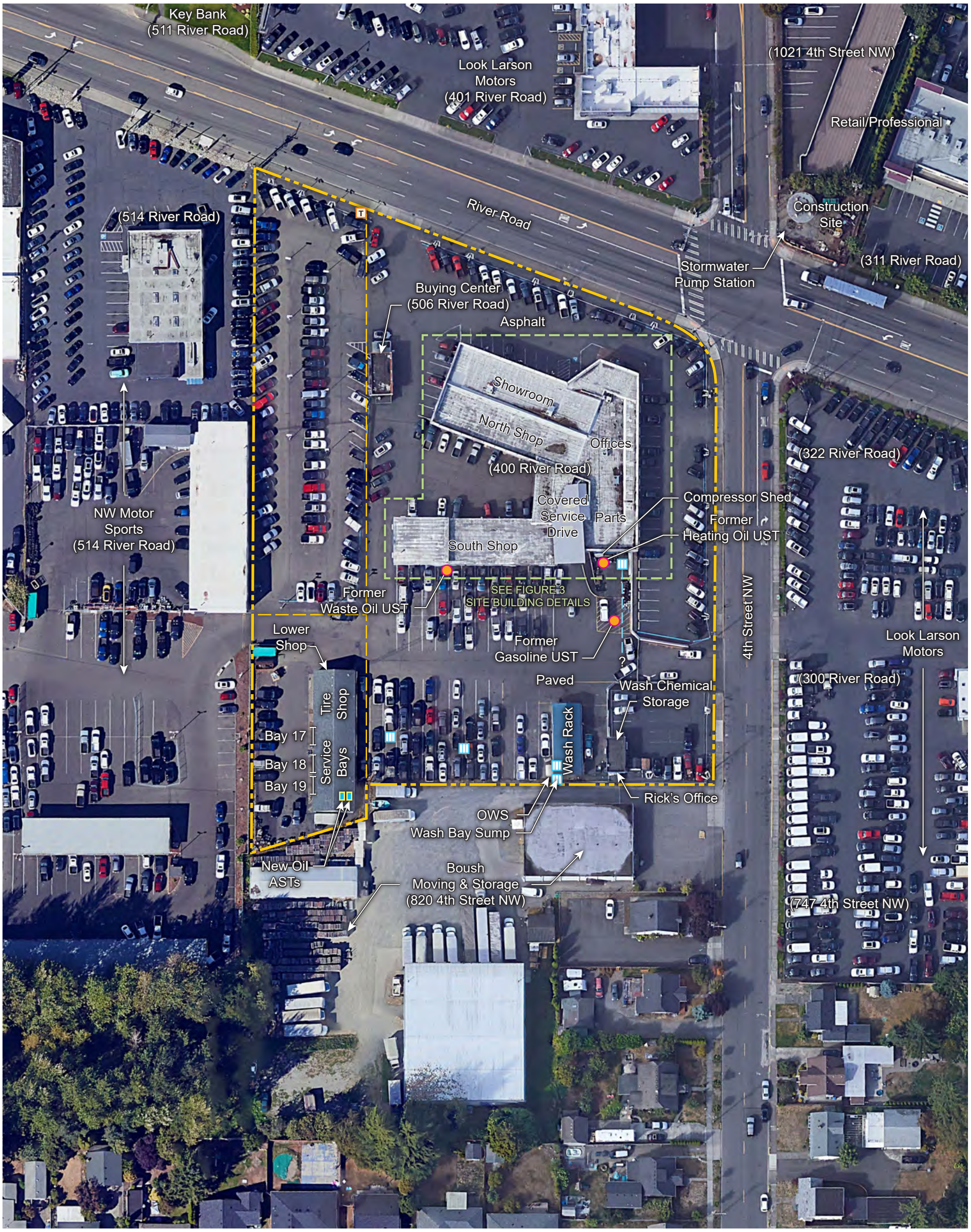
Scale in Feet

Figure 1

Site Location

AECOM

RJF Auto – Site 3
400 & 506 River Road, & ___ 4th St NW, Puyallup, Washington



Source: Google Earth Pro, imagery dated 7/1/2018

Legend

- Subject property boundary
- Parcel boundary
- Catch basin
- Pad-mounted transformer
- OWS — Oil-water separator
- Approximate location of former UST

N

0 80 160

Approximate Scale in Feet

Figure 2

Site Plan

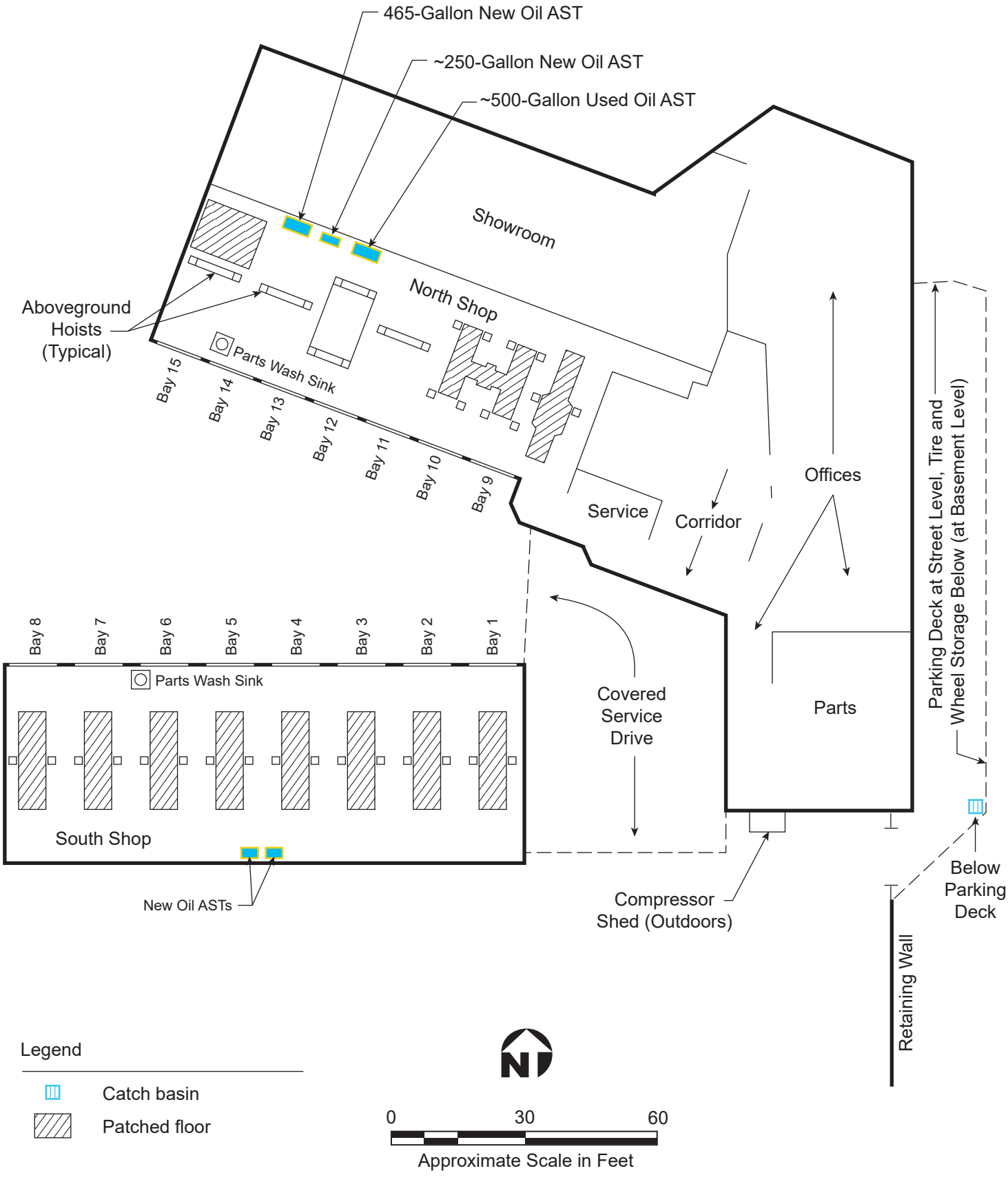


Figure 3

400 River Road Building Details

APPENDIX A

HISTORICAL DOCUMENTS

RFJ - Site #3

400 River Road

Puyallup, WA 98371

Inquiry Number: 5909224.4

December 17, 2019

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/17/19

Site Name:	Client Name:
RFJ - Site #3	AECOM
400 River Road	1111 Third Avenue Suite 1600
Puyallup, WA 98371	Seattle, WA 98101
EDR Inquiry # 5909224.4	Contact: AL THATCHER

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 60620698

Project: RFJ Auto - Site #3

Coordinates:

Latitude:	47.19938 47° 11' 58" North
Longitude:	-122.299189 -122° 17' 57" West
UTM Zone:	Zone 10 North
UTM X Meters:	553080.94
UTM Y Meters:	5227559.07
Elevation:	34.17' above sea level

Maps Provided:

2014	1944
1997	1941
1994	1900
1981	1897
1973	
1968	
1961	
1949	

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets

Puyallup
2014
7.5-minute, 24000

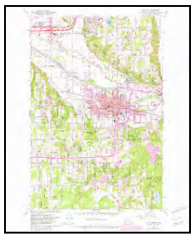
1997 Source Sheets

Puyallup
1997
7.5-minute, 24000
Aerial Photo Revised 1990

1994 Source Sheets

Puyallup
1994
7.5-minute, 24000
Aerial Photo Revised 1990

1981 Source Sheets

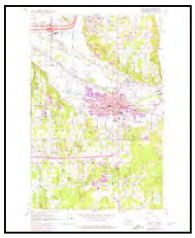


Puyallup
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

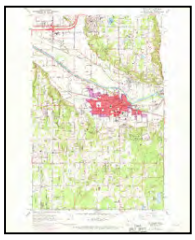
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



Puyallup
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets



Puyallup
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1961 Source Sheets

Puyallup
1961
7.5-minute, 24000
Aerial Photo Revised 1957

1949 Source Sheets

PUYALLUP
1949
7.5-minute, 25000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1944 Source Sheets

TACOMA SOUTH
1944
15-minute, 50000

1941 Source Sheets

Tacoma South
1941
15-minute, 62500

1900 Source Sheets

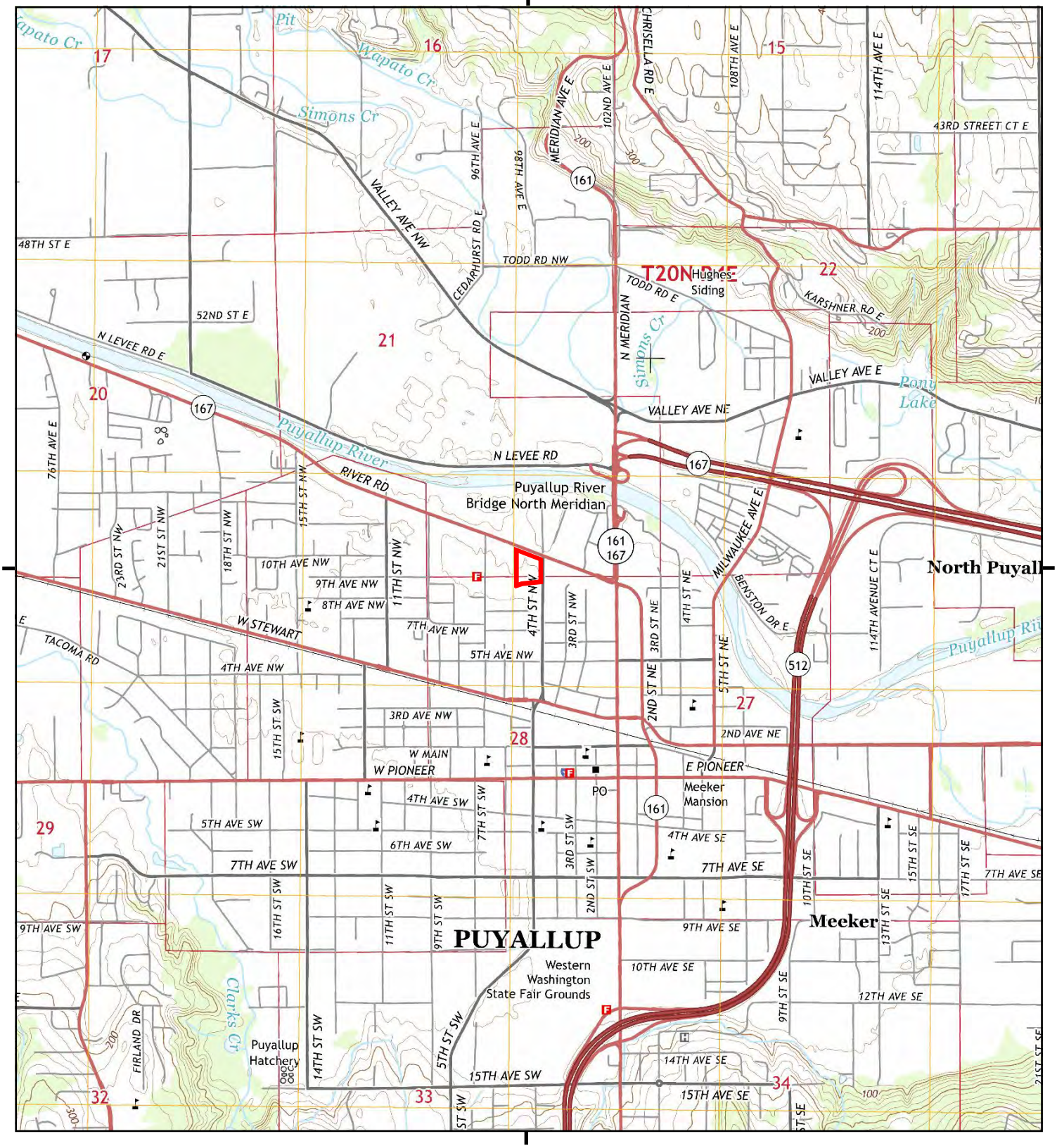
Tacoma
1900
30-minute, 125000

1897 Source Sheets

Tacoma
1897
30-minute, 125000

Historical Topo Map

2014



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

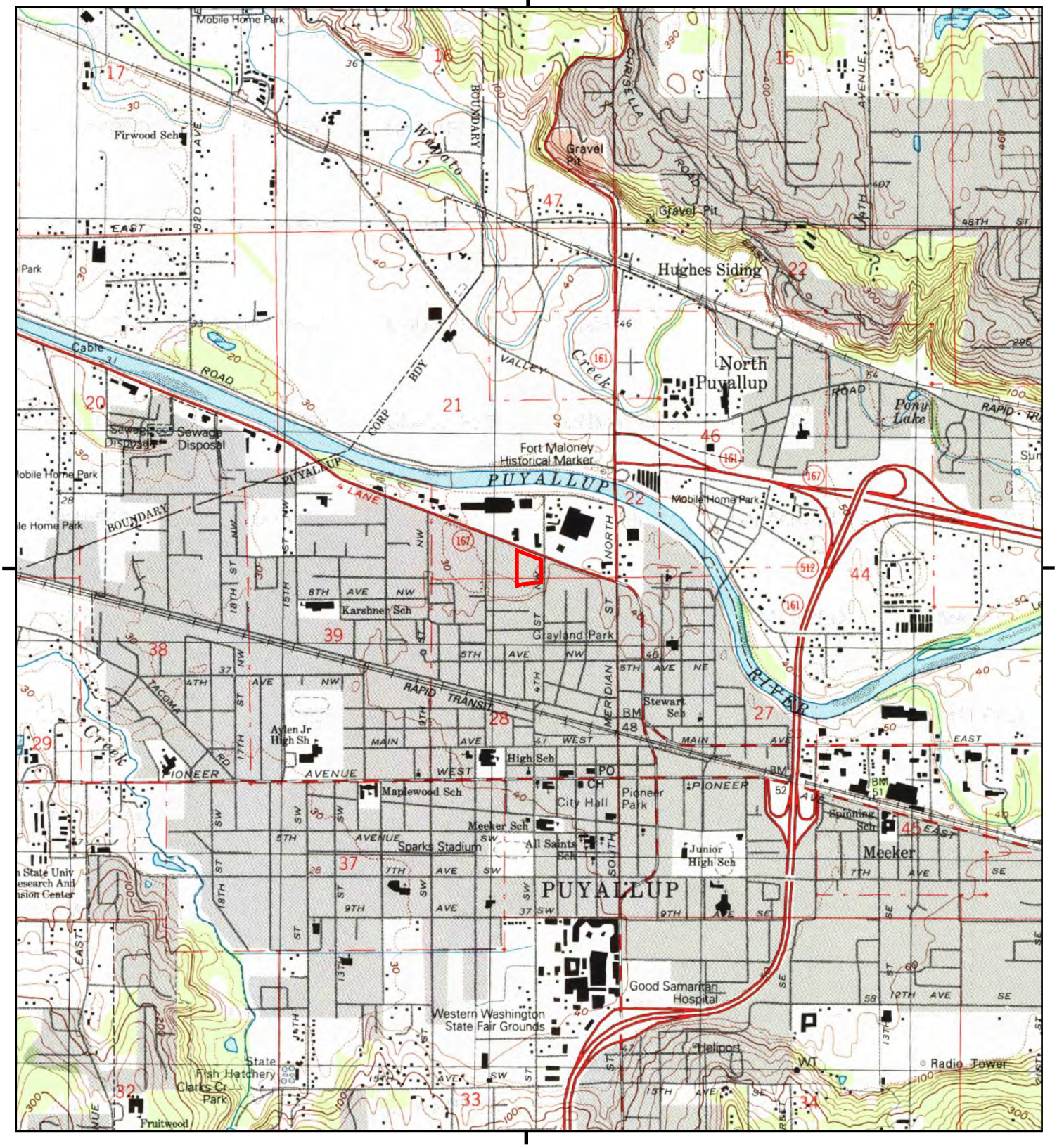
TP, Puyallup, 2014, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1997



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

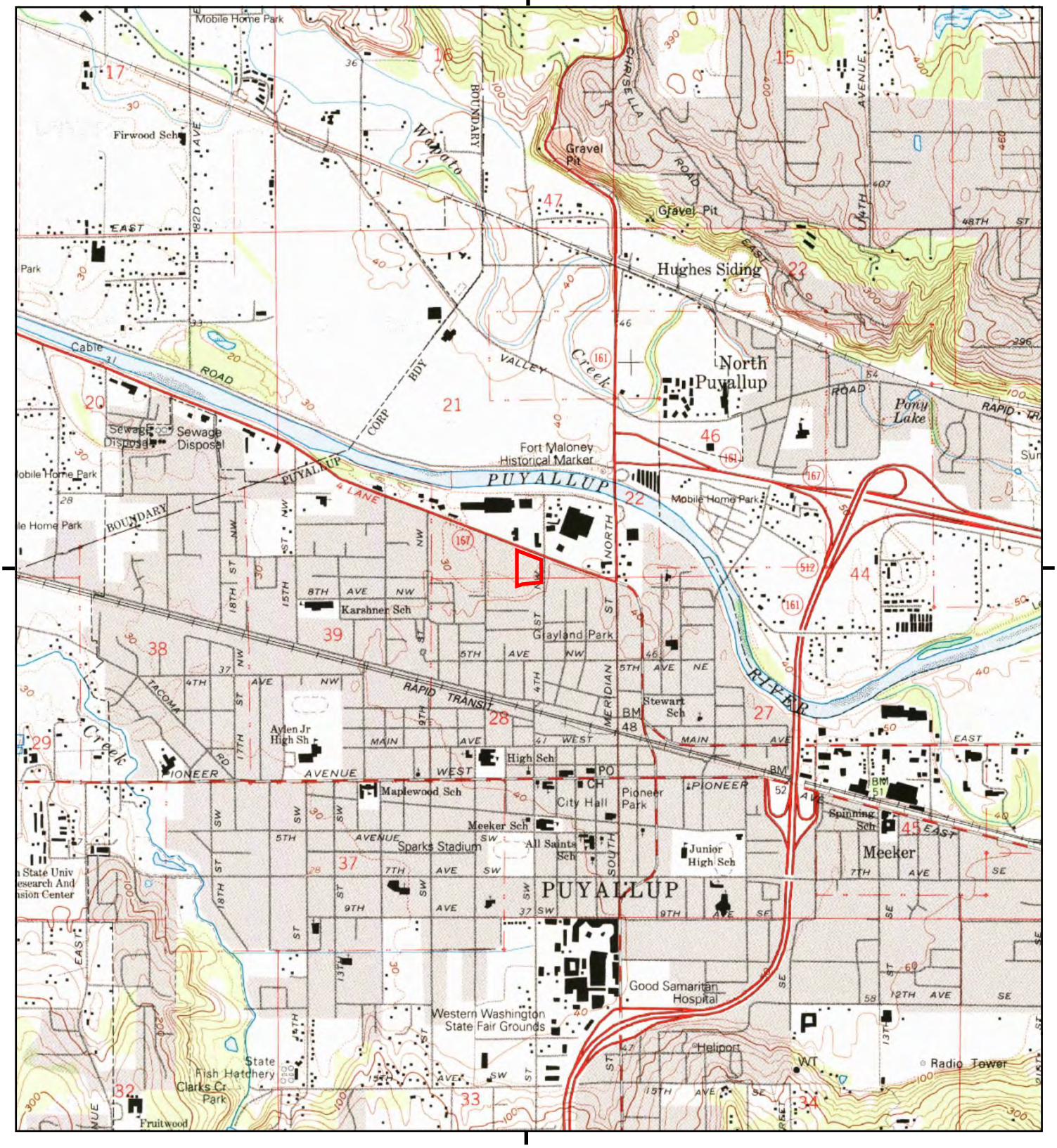
TP, Puyallup, 1997, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1994



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

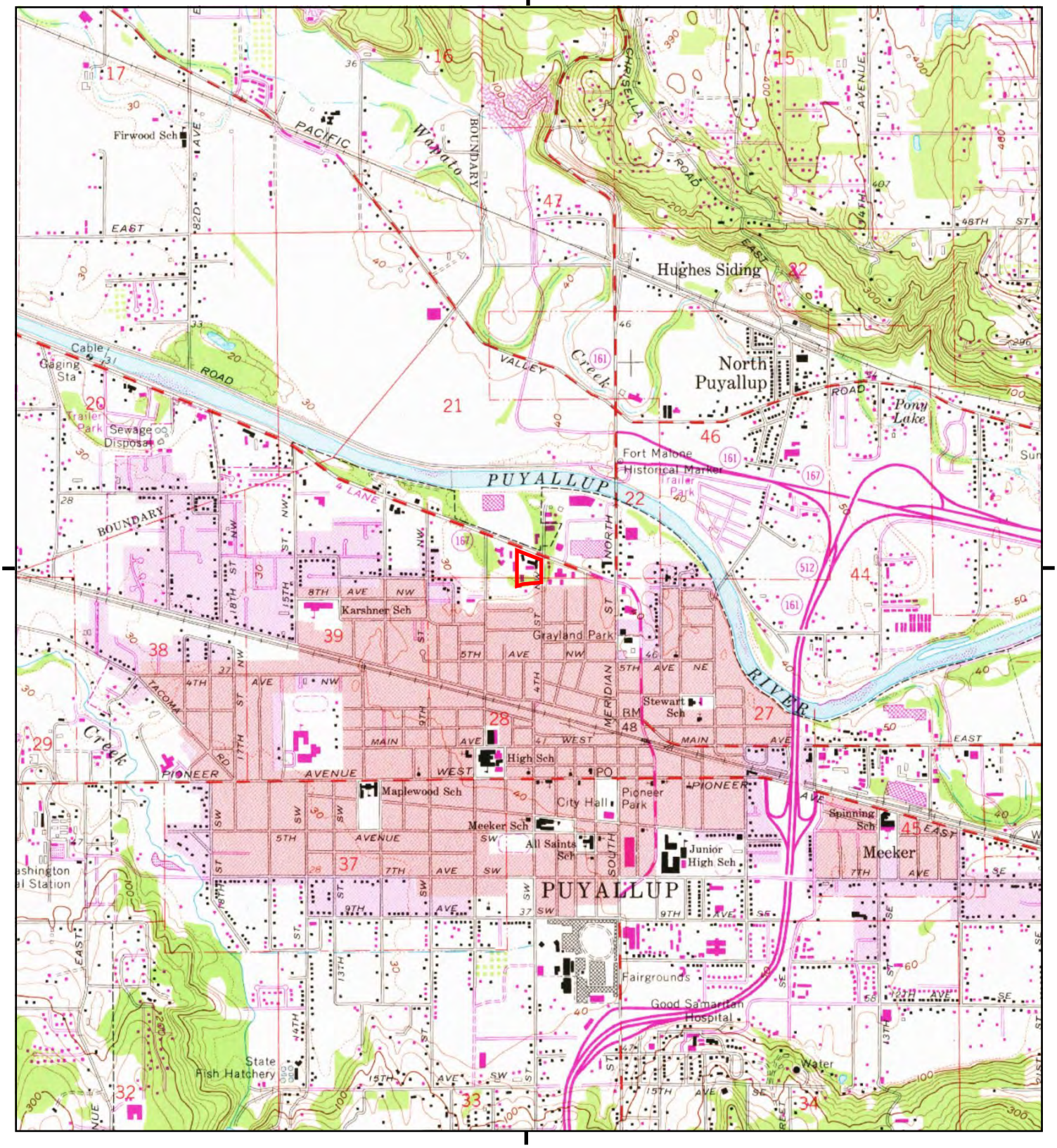
TP, Puyallup, 1994, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

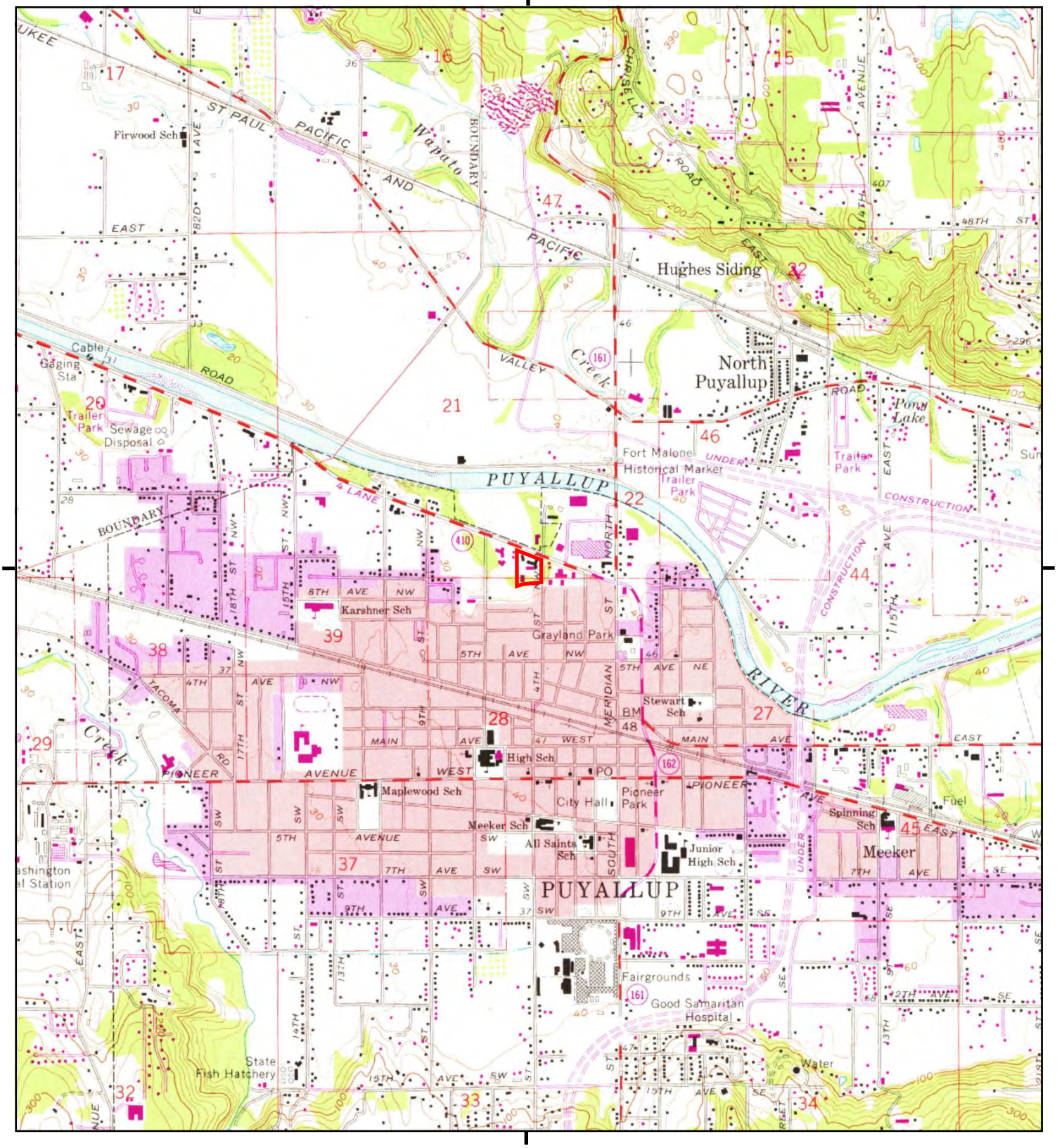
TP, Puyallup, 1981, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

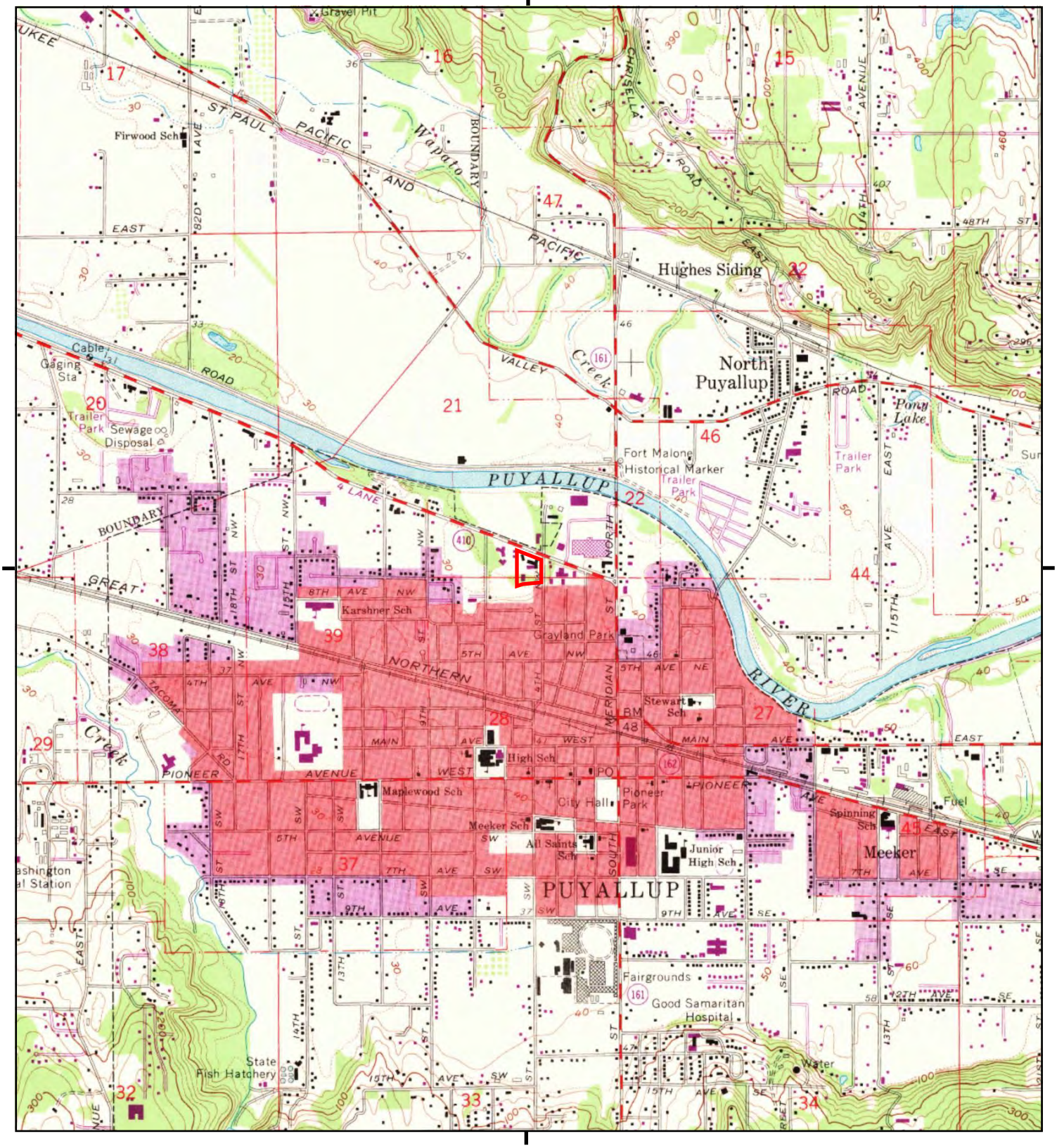
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Puyallup, 1973, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



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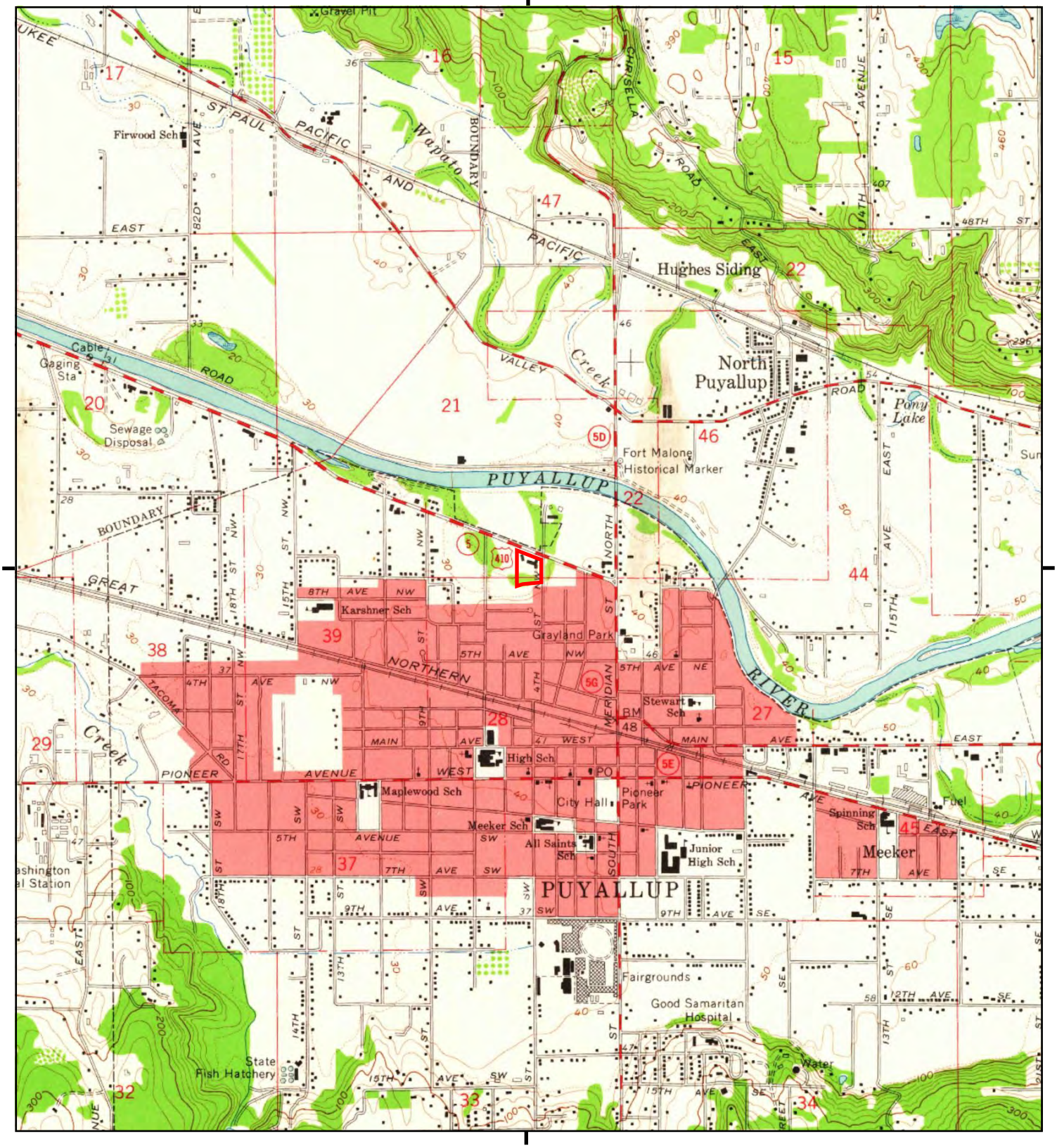
NW N NE
W E
SW S SE

TP, Puyallup, 1968, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



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NW N NE
W E
SW S SE

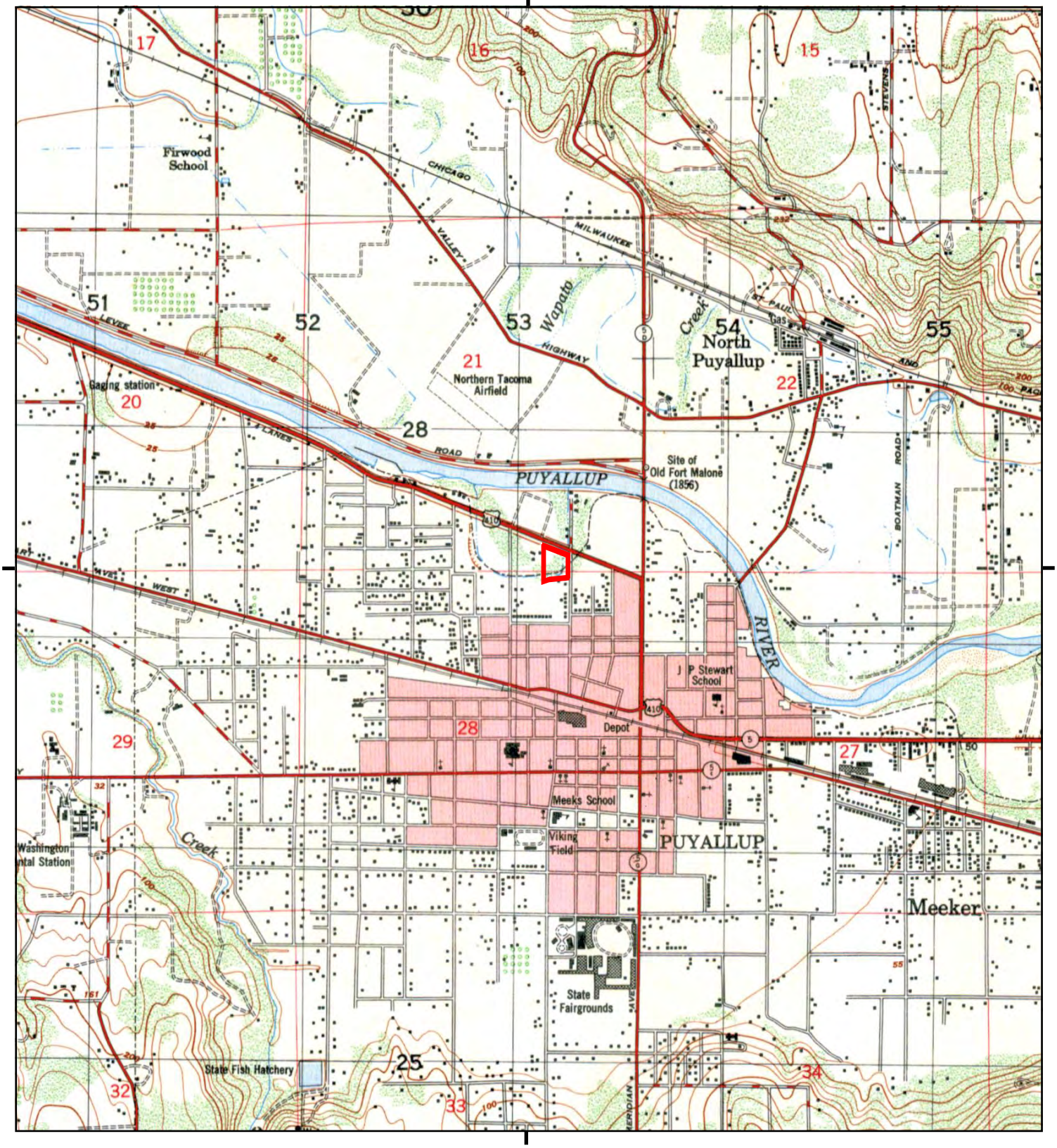
TP, Puyallup, 1961, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

Historical Topo Map

1949



This report includes information from the following map sheet(s).

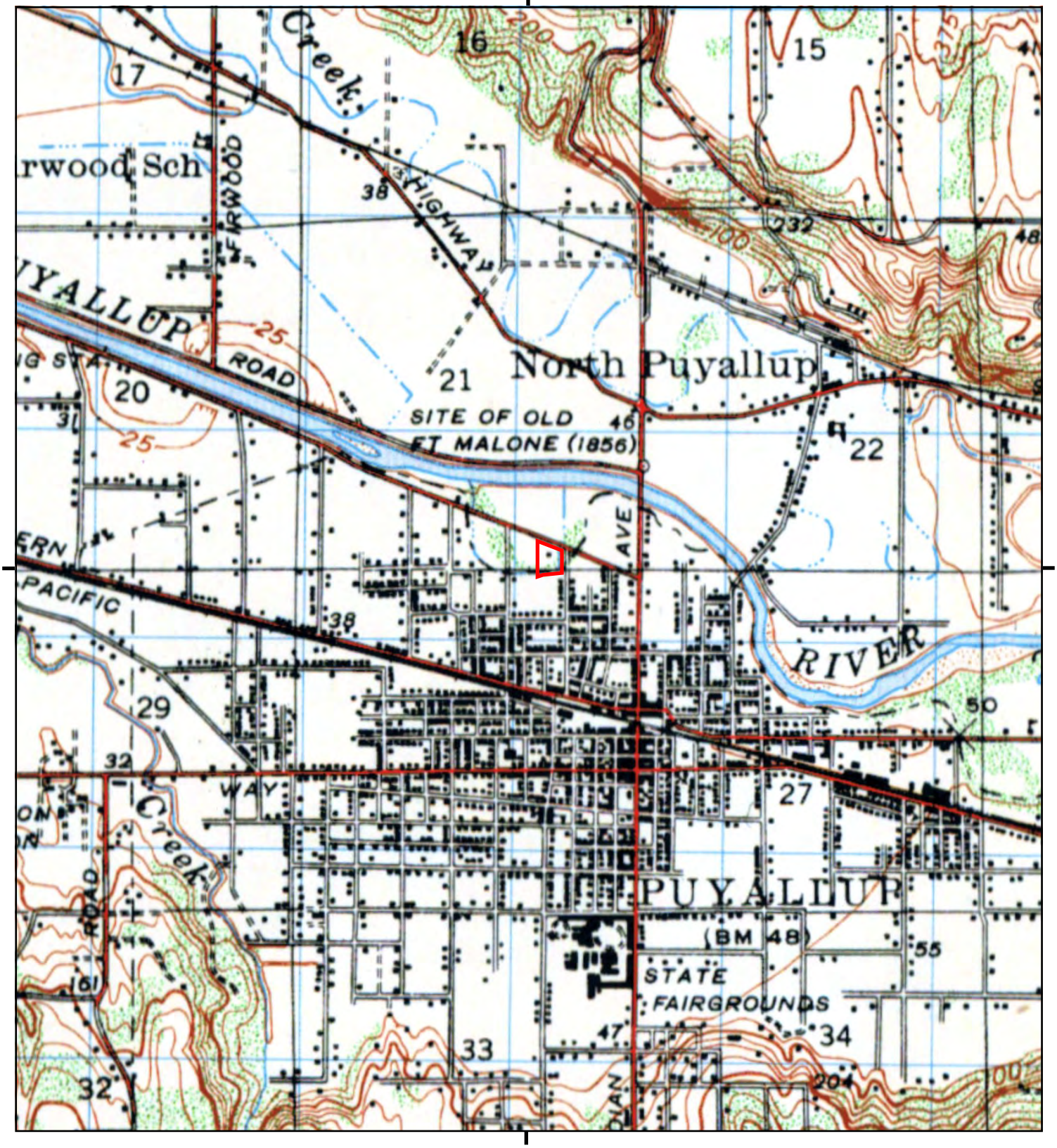
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, PUYALLUP, 1949, 7.5-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

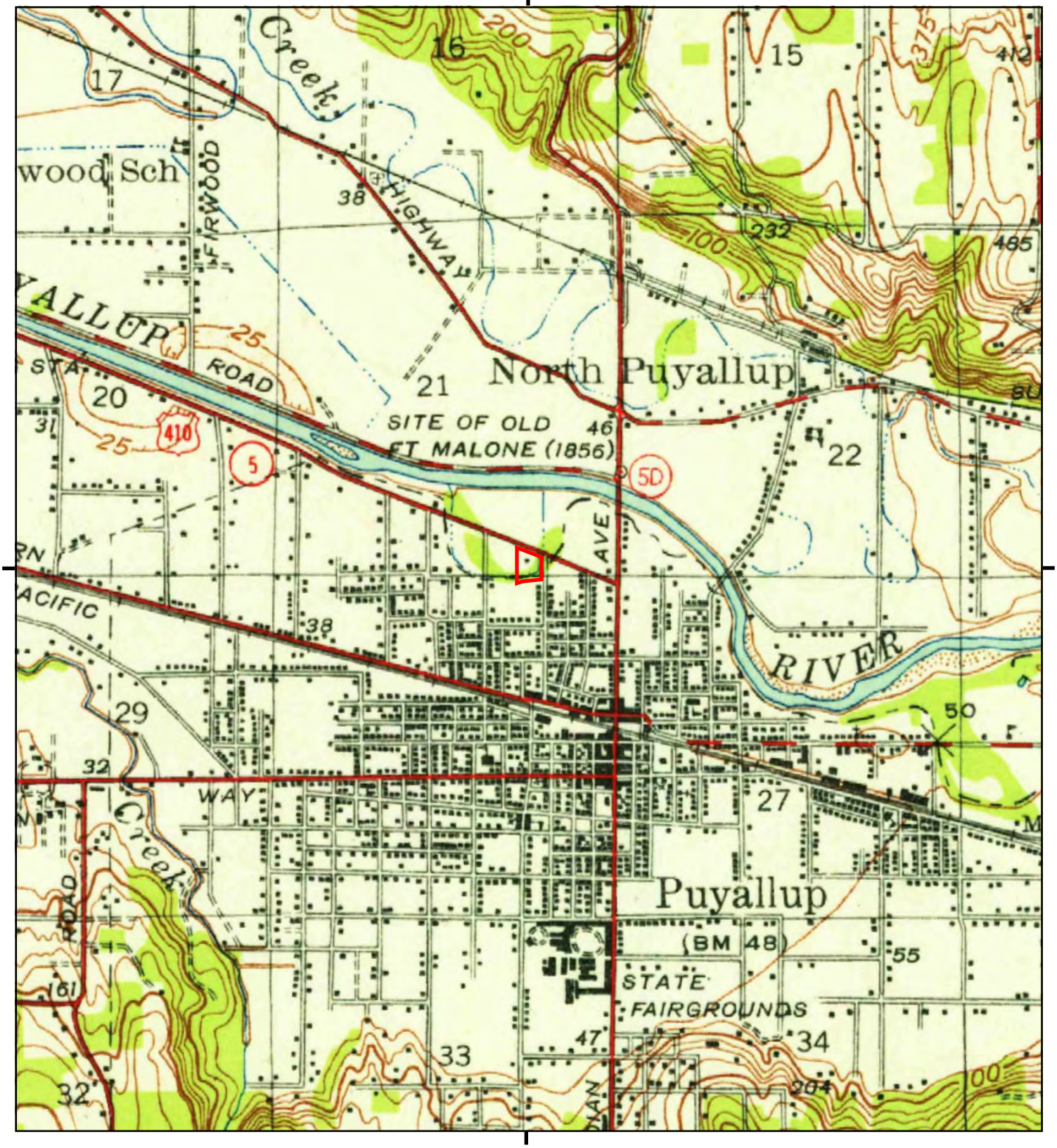
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, TACOMA SOUTH, 1944, 15-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

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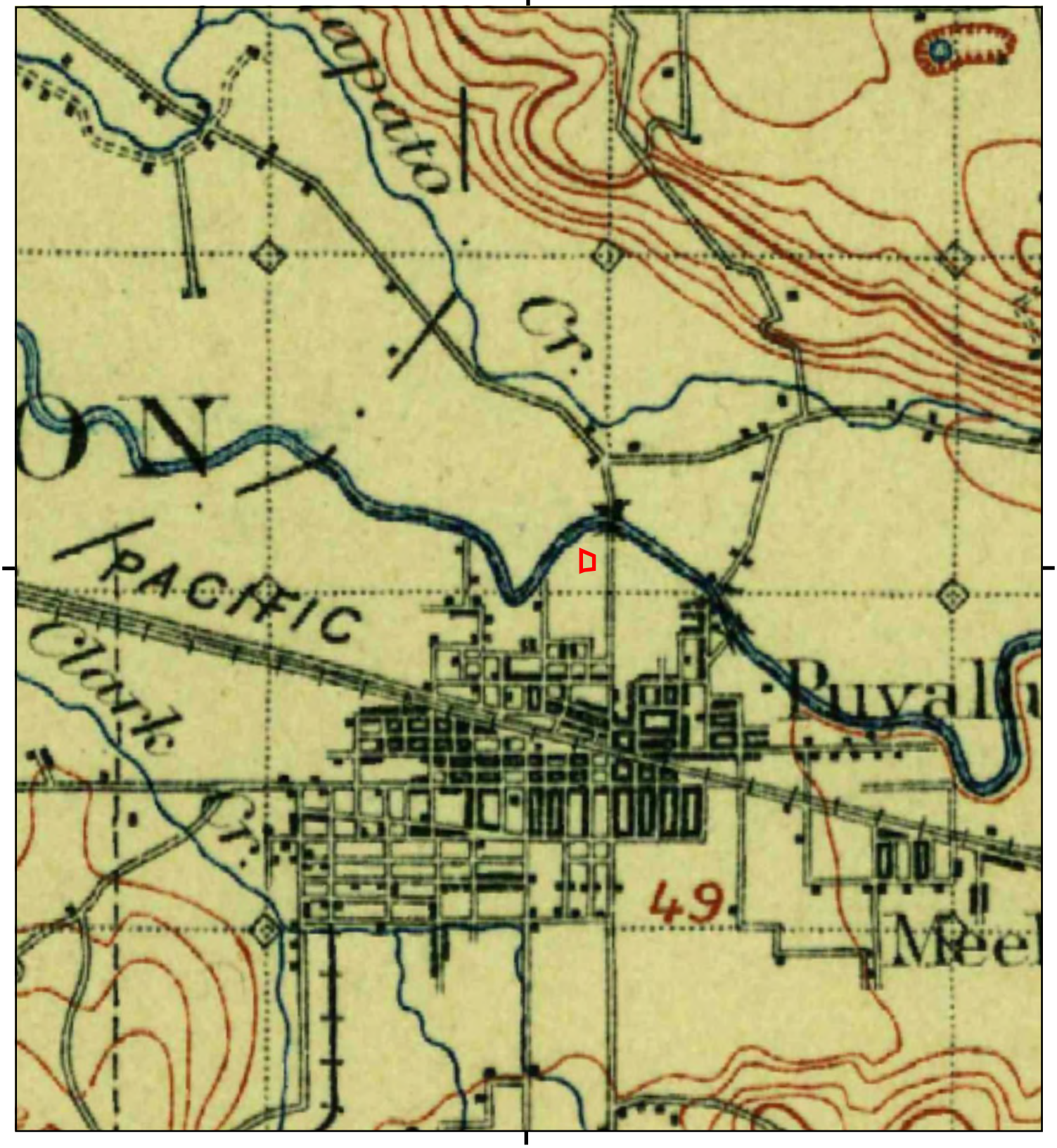
NW N NE
W E
SW S SE

TP, Tacoma South, 1941, 15-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

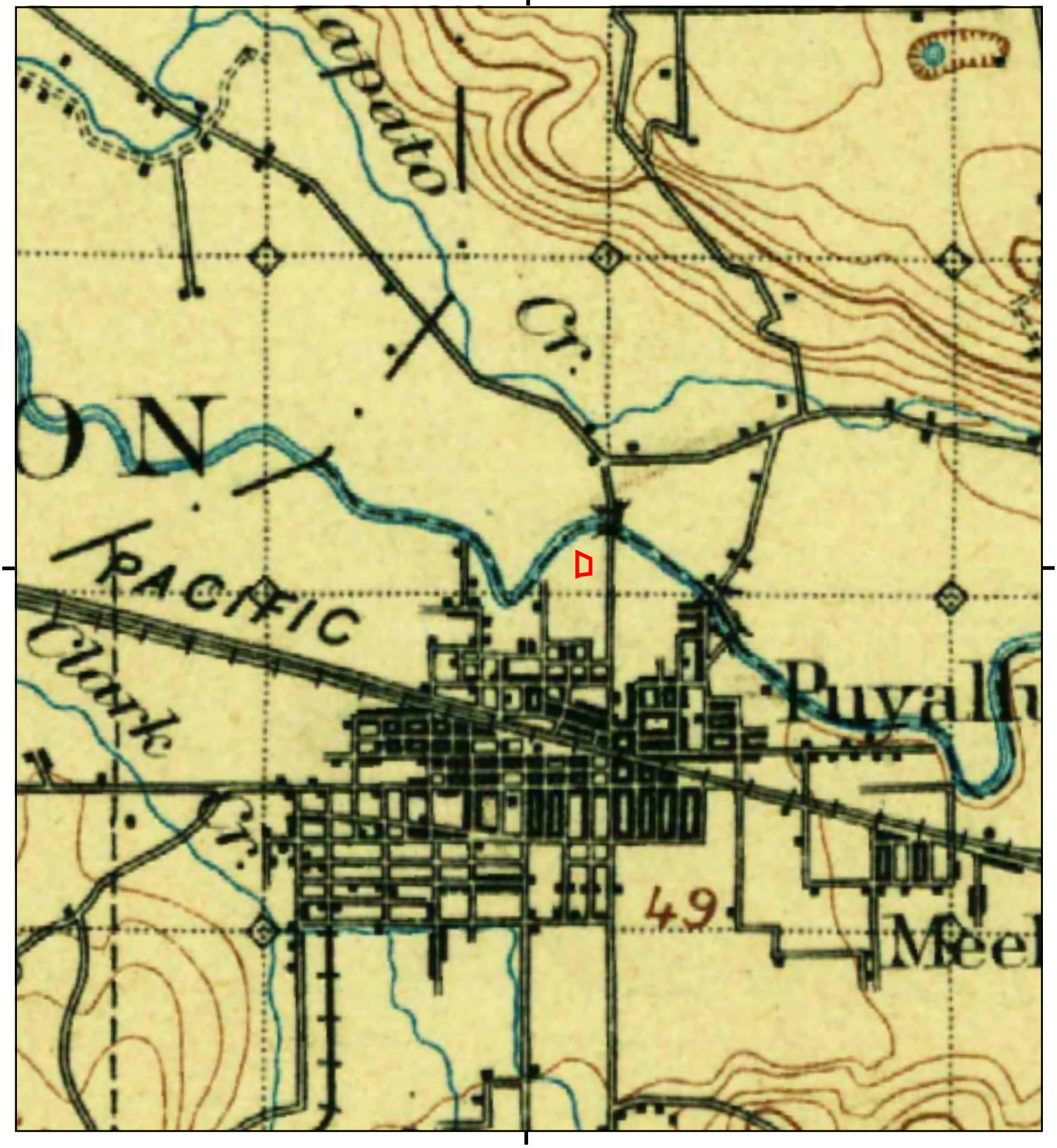
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1900, 30-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1897, 30-minute

SITE NAME: RFJ - Site #3
ADDRESS: 400 River Road
Puyallup, WA 98371
CLIENT: AECOM

N

RFJ - Site #3

400 River Road

Puyallup, WA 98371

Inquiry Number: 5909224.3

December 18, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/18/19

Site Name:

RFJ - Site #3
400 River Road
Puyallup, WA 98371
EDR Inquiry # 5909224.3

Client Name:

AECOM
1111 Third Avenue Suite 1600
Seattle, WA 98101
Contact: AL THATCHER

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # A424-4720-AD37

PO # 60620698

Project RFJ Auto - Site #3

Maps Provided:

1964
1945
1927

Sanborn® Library search results

Certification #: A424-4720-AD37

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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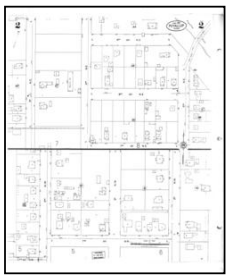
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1964 Source Sheets

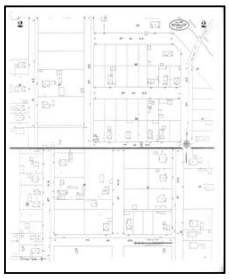
Volume 1, Sheet 2
1964

1945 Source Sheets



Volume 1, Sheet 2
1945

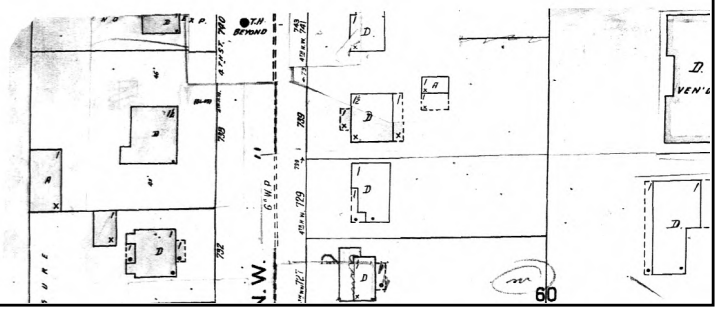
1927 Source Sheets



Volume 1, Sheet 2
1927

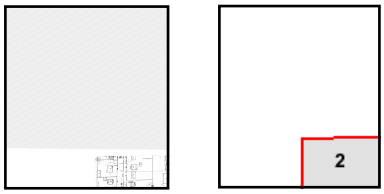
Site Name: RFJ - Site #3
Address: 400 River Road
City, ST, ZIP: Puyallup, WA 98371
Client: AECOM
EDR Inquiry: 5909224.3
Order Date: 12/18/2019
Certification #: A424-4720-AD37
Copyright 1964

Certification # A424-4720-AD37



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



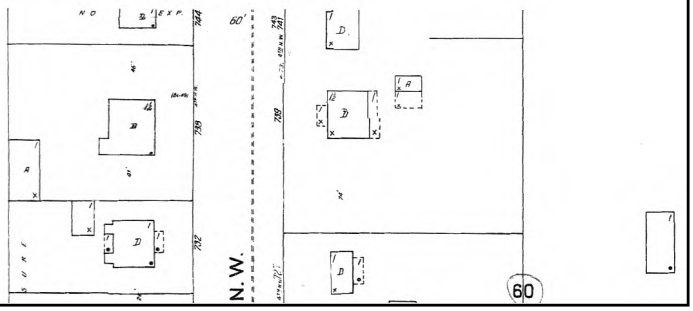
Volume 1, Sheet 2

Certified Sanborn® Map

1945

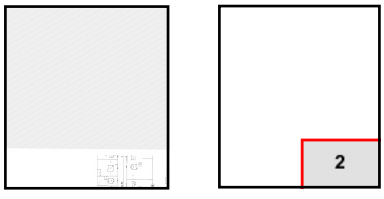
Site Name: RFJ - Site #3
Address: 400 River Road
City, ST, ZIP: Puyallup, WA 98371
Client: AECOM
EDR Inquiry: 5909224.3
Order Date: 12/18/2019
Certification #: A424-4720-AD37
Copyright 1945

Certification # A424-4720-AD37



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

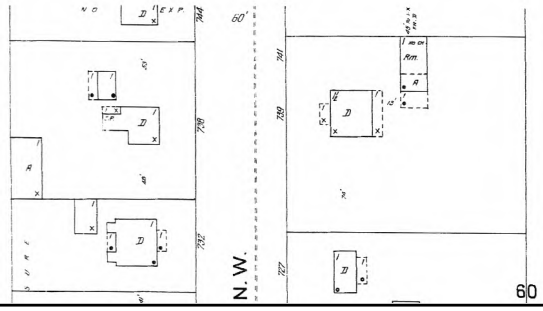


Volume 1, Sheet 2

N

Site Name: RFJ - Site #3
Address: 400 River Road
City, ST, ZIP: Puyallup, WA 98371
Client: AECOM
EDR Inquiry: 5909224.3
Order Date: 12/18/2019
Certification #: A424-4720-AD37
Copyright 1927

Certification # A424-4720-AD37



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Outlined areas indicate map sheets within the collection.

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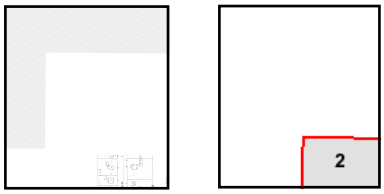


Volume 1, Sheet 2

N

RFJ - Site #3

400 River Road

Puyallup, WA 98371

Inquiry Number: 5909224.8

December 17, 2019

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/17/19

Site Name:

RFJ - Site #3
400 River Road
Puyallup, WA 98371
EDR Inquiry # 5909224.8

Client Name:

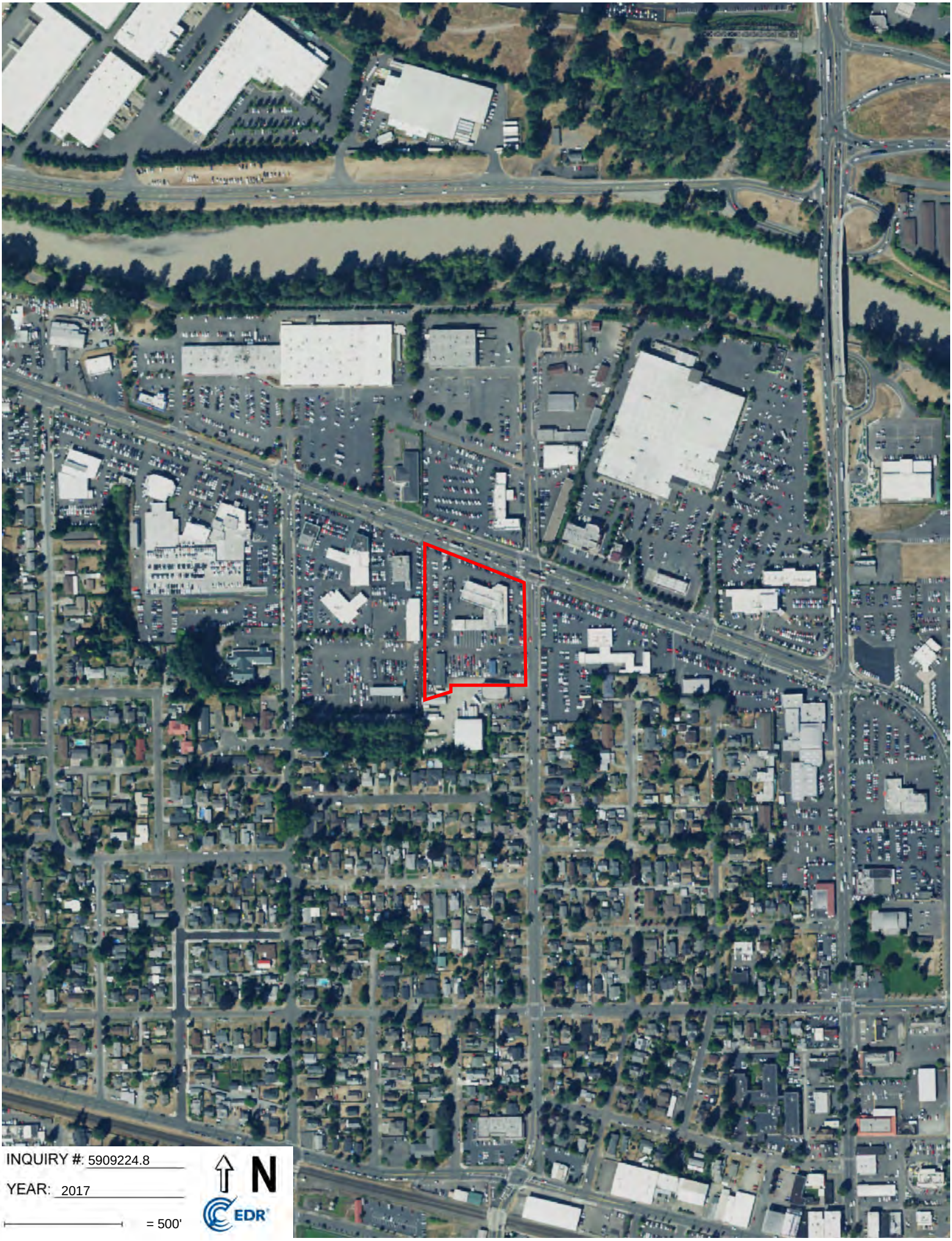
AECOM
1111 Third Avenue Suite 1600
Seattle, WA 98101
Contact: AL THATCHER

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1990	1"=500'	Acquisition Date: July 10, 1990	USGS/DOQQ
1980	1"=500'	Flight Date: July 08, 1980	USDA
1972	1"=500'	Flight Date: September 04, 1972	USGS
1968	1"=500'	Flight Date: September 02, 1968	USGS
1957	1"=500'	Flight Date: May 28, 1957	USGS
1943	1"=500'	Flight Date: March 05, 1943	DIA
1941	1"=500'	Flight Date: July 10, 1941	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 5909224.8
YEAR: 2017
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 2013
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1990
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1980
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1972
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1968
= 500'
N
EDR


INQUIRY #: 5909224.8
YEAR: 1957
= 500'
N
EDR

RFJ - Site #3
400 River Road
Puyallup, WA 98371

Inquiry Number: 5909224.5
December 20, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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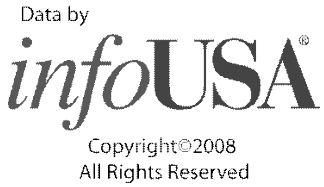


RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1989	☑	☑	Polk's City Directory
1984	☑	☑	Polk's City Directory
1979	☑	☑	Polk's City Directory
1974	☑	☑	Polk's City Directory
1969	☑	☑	Polk's City Directory
1964	☑	☑	Polk's City Directory
1959	☑	☑	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

400 River Road
Puyallup, WA 98371

Year	*CD Image*	*Source*
RIVER RD		
2014	pg A2	EDR Digital Archive
2010	pg A4	EDR Digital Archive
2005	pg A6	EDR Digital Archive
2000	pg A8	EDR Digital Archive
1995	pg A10	EDR Digital Archive
1992	pg A12	EDR Digital Archive
1989	pg A14	Polk's City Directory
1989	pg A15	Polk's City Directory
1984	pg A17	Polk's City Directory
1984	pg A18	Polk's City Directory
1979	pg A20	Polk's City Directory
1979	pg A21	Polk's City Directory
1974	pg A23	Polk's City Directory
1974	pg A24	Polk's City Directory
1969	pg A26	Polk's City Directory
1964	pg A28	Polk's City Directory
1959	pg A30	Polk's City Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
4TH ST NW		
2014	pg. A1	EDR Digital Archive
2010	pg. A3	EDR Digital Archive
2005	pg. A5	EDR Digital Archive
2000	pg. A7	EDR Digital Archive
1995	pg. A9	EDR Digital Archive
1992	pg. A11	EDR Digital Archive
1989	pg. A13	Polk's City Directory
1984	pg. A16	Polk's City Directory
1979	pg. A19	Polk's City Directory
1974	pg. A22	Polk's City Directory
1969	pg. A25	Polk's City Directory
1964	pg. A27	Polk's City Directory
1959	pg. A29	Polk's City Directory

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2014

317	GARY A CARLINGTON CPA INC PS
	ROBERT L MAY ASSOCIATES
320	SHANNON, KIM J
402	SCHROEDER, THOMAS D
406	BOISVERT, STEVEN C
	BROWN, WILLIAM R
411	FISHER, TIMOTHY W
	GATES ETCLLC
415	KUCHNSKY, JAMES A
416	WILLIAMSON, DAVID
421	CHESLEY, DAVID J
423	ZUEIRLEIN, RENAE L
438	WAITS-SULFRIDGE, BILLY J
511	REDMOND, VAUGHAN L
514	OCCUPANT UNKNOWN,
516	HOLCOMB, LISA A
517	MARKHAM, ROSE M
520	NAMASTE YOGA CENTER & CHIROPR
	OHAVER, ALISA B
	WENDY NOFFKE DC LLC
602	FILER, ELLIS
610	DIVINA, RAYMOND D
704	BOCZAR, THOMAS
710	BUTLER, RICHARD M
714	LANDON, WILLIAM J
720	MATTHEWS, KENNETH L
721	ESSMAN, TODD C
	SHAUNA S ESSMAN
722	INCREDIBLE EDIBLES
	KAISER, SCOTT R
723	OCCUPANT UNKNOWN,
726	SILLER, RUDOLPH S
727	SINGINGLIGHTNING, SKY
729	RICE, PAULINE A
732	OCCUPANT UNKNOWN,
738	WILLIAMS, STEPHEN
739	IHLEN, MARTIN L
740	SHILEY, RICK A
741	ELLIS, KYLE O
744	OCCUPANT UNKNOWN,
	RITZY ROVER PET STYLING BTQ
820	BOUSH MOVING & STORAGE INC
1200	GOODWILL OF OLYMPICS RNIER REG
	STOREHOUSE CHURCH
1206	SEYLER, GERI E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2014

100	6050 TACOMA MALL BOULEVARD LLC
	KORUM AUTOMOTIVE GROUP INC
	KORUM FORD INC
	KORUM MOTORS INC
111	KORUM HYUNDAI
300	JMS DETAIL & AUTO ACCESSORIES
	LARSON MOTORS PREOWNED
303	STARBUCKS CORPORATION
311	ACE CASH EXPRESS INC
	CELLCO PARTNERSHIP
	JUST FOR KIDS DENTISTRY
	KEVIN H SAKAI DDS PLLC
	SMARTCUTS
	SONUS-USA INC
	TD SALON LLC
315	G & L ENTERPRISES INC
400	BULLETPROOF LLC
	NORTHWEST MOTORSPORT
401	PUYALLUP CHRYSLER INC
511	KEYBANK NATIONAL ASSOCIATION
608	MILAM OLDSMOBILE MAZDA JEEP
621	KMART CORPORATION
711	PAPA MURPHYS PIZZA
	TITUS WILL ENTERPRISES
715	LOOSE WHEEL BAR AND GRILL

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2010

312	TAPIA, MELISSA
317	DOMINION CAPITAL LLC
	EDWARD & LOIS MCLEARY CHAR FDN
	GARY A CARLINGTON CPA INC PS
	MAY & CO
	MAY & CO P S
	US ALLOY CO
320	WARD, RICKARD
401	MCCORTNEY, MICHAEL E
402	SCHROEDER, THOMAS D
405	ARMSTRONG, JEANEEN
406	BOISVERT, STEVEN C
	CROWDER, JAMES W
407	FRANCO, JR
411	DELANO, DRAKE S
416	WILLIAMSON, DAVID
421	CHESLEY, DAVID J
438	WAITS-SULFRIDGE, BILLY J
511	REDMOND, SHARYN M
514	BARR, DAVID
516	OCCUPANT UNKNOWN,
517	MARKHAM, ROSE M
520	NAMASTE YOGA CENTER & CHIROPR
	NOFFKE, WENDY J
	WENDY NOFFKE DC LLC
602	ELLIS, JANET F
610	DIVINA, RAYMOND D
702	APODACA, RICARDO
710	OCCUPANT UNKNOWN,
712	CZARNECKI, ROBERT
714	LANDON, WILLIAM J
721	ESSMAN, TODD C
722	WENGER, CATHY M
723	ASBJORNSEN, TERRY R
726	SILLER, RUDOLPH S
727	WILLIAMS, CRAIG E
729	RICE, PAULINE A
732	OCCUPANT UNKNOWN,
738	WILLIAMS, MARK M
739	IHLEN, MARTIN L
740	DOITOL LLC
	HENRY, NEIL W
741	MATHIESON, MARK W
744	OCCUPANT UNKNOWN,
	RITZY ROVER PET STYLING BTQ
820	BOUSH MOVING & STORAGE INC
1200	TACOMA GOODWILL INDUSTRIES
1216	GLADDING, GEORGE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2010

100	KORUM AUTOMOTIVE GROUP INC
	KORUM FORD INC
	KORUM MOTORS INC
300	K & D AUTO WERKS
303	STARBUCKS CORPORATION
311	BEN CONNER INSURANCE AGENCY
	LUTZ LAW
	SMARTCUTS
315	G & L ENTERPRISES INC
400	BULLETPROOF LLC
401	MOCERI LEASING INC
	PUYALLUP CHRYSLER INC
500	LARSON DODGE
	PUYALLUP POWER SPORTS
511	KEYBANK NATIONAL ASSOCIATION
514	JMS DETAIL & AUTO ACCESSORIES
608	MILAM OLDSMOBILE MAZDA JEEP
621	KMART CORPORATION
	MELDISCO K-M PUYALLUP WASH INC
	OLAN MILLS INC
707	BARGAIN STORES INC
709	BOONTHAM TALBOT
	FAME NUMBER 1 HAIR STUDIO SPA
711	PAPA MURPHYS PIZZA
	TITUS WILL ENTERPRISES
715	ARNALDI ENTERPRISES LLC
	JENNIFER HALL
	OHENRY SPORTS BAR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2005

317	ARIES ENTERTAINMENT SYSTEMS LT
	CARLINGTON GARY A CPA INC PS
	NORTHWEST CONVERSIONS INC
320	KNESAL, TREVOR A
402	MISKAR, SANDY J
406	BOISVERT, STEVEN C
	HUBER, JAMIE
411	VERMEERSCH, DAVID A
511	REDMOND, SHARYN M
514	BRADFORD, STEVEN G
516	CURRAH, MARK E
517	MARKHAM, JACK A
520	NAMASTE YOGA CENTER & CHIROPR
	NOFFKE, WENDY
	WENDY NOFFKE DC LLC
602	HAUCK, JEREMY D
	IMAGEBASICS
610	DIVINA, LACI R
702	APODACA, RICARDO
710	ZWANG, TERI L
714	PLUMMER, HAROLD N
720	MATTHEWS, KENNETH L
721	ESSMAN, TODD C
722	WENGER, CATHY M
723	OCCUPANT UNKNOWN,
725	CGRAGGEN, CHRIS
	GORSKI, A
	HARRISON, MARIE
	PORTER, DANIELLE
726	SILLER, RUDOLPH S
727	OCCUPANT UNKNOWN,
729	RICE, PAULINE A
732	ONEILL, AARON K
738	WILLIAMS, MARK M
740	HENRY, NEIL W
741	MATHIESON, MARK W
744	BRIDGES, DONOVAN
820	BOUSH MOVING & STORAGE INC
1200	SOUND PROPERTIES

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2005

100	KORUM FORD INC
	KORUM MOTORS INC
208	RADIOSHACK CORPORATION
300	LARSON MOTORS INC
315	ALLSTATE INSURANCE COMPANY
	DETURK PHILIP H
	ENTERPRISE RENT-A-CAR COMPANY
	G & L ENTERPRISES INC
400	BULLETPROOF LLC
	FRIENDLY CHEVROLET INC
	GREG CARTERS PUYALLUP CHEVRO
	KEN PARKS CHEVROLET INC
401	UNIVERSAL AUTO GROUP INC
500	KORUM FORD INC
	TURNBULL MIKE
511	KEYBANK NATIONAL ASSOCIATION
608	MILAM OLDSMOBILE MAZDA JEEP
621	KMART CORPORATION
	MELDISCO K-M PUYALLUP WASH INC
	OLAN MILLS INC
707	BARGAIN STORES INC
709	ACTIVE HAIR
711	PAPA MURPHYS PIZZA
715	AMUSEMENT ENTERPRISES INC
	OHENRY SPORTS BAR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 2000

317	CARLINGTON GARY A CPA INC PS
	GUSTAFSON GREG INSURANCE INC
320	OCCUPANT UNKNOWN,
400	OCCUPANT UNKNOWN,
402	BOURNE, GEORGE C
406	BROWN, W R
411	MCKUNE, KRISTIN
430	OCCUPANT UNKNOWN,
511	OCCUPANT UNKNOWN,
514	FOSTER, CLINT
516	MERCILL, MITCH
517	MARKHAM, JACK A
520	BRADFORD, STEVEN G
602	VANKIRK, J
604	OCCUPANT UNKNOWN,
702	MOGAVERO, ANNA L
710	WHEELER, BRETT
714	PLUMMER, H N
720	MATTHEWS, KEN L
721	ESSMAN, TODD
722	KAISER, SCOTT R
	WENGER, CATHY M
723	DUMOULIN, J
725	CGRAGGEN, CHRIS
	HARRISON, M
726	SILLER, RUDOLPH
729	RICE, EARL D
732	KENT, RON
740	MAXEY, SHAWN
741	OCCUPANT UNKNOWN,
744	ABC RELOCATION
	FUESTON, ADAM
820	BOUSH MOVING & STORAGE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2000

100	KORUM FORD INC
103	DAVCO ENTERPRISES INC
125	A & R MOTORS INC
208	RADIOSHACK CORPORATION
300	LARSON MOTORS INC
	LARSON ROBERT CHRYSLER
315	ALLSTATE INSURANCE COMPANY
	DETURK PHILIP H
	ENTERPRISE RENT-A-CAR COMPANY
	G & L ENTERPRISES INC
	SOURCE FINANCIAL
	WEIGHT LOSS PLUS COST MEDCL WE
400	BULLETPROOF LLC
	PUYALLUP CHEVROLET-GEO-SUBARU
401	PUYALLUP COLLISION CENTER INC
	UNIVERSAL AUTO GROUP INC
500	KORUM FORD INC
	KORUM MOTORS INC
511	KEYBANK NATIONAL ASSOCIATION
608	MILAM OLDSMOBILE INC
621	KMART CORPORATION
	OLAN MILLS INC
707	BARGAIN STORES INC
715	VANS AMUSEMENT CENTER INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 1995

317	CARLINGTON GARY A CPA INC PS
	GUSTAFSON, GREG A
400	GHATTAS, NAGUIB
402	BOURNE, GEORGE C
406	BAKER, JAMES S
411	OCCUPANT UNKNOWNN
421	OCCUPANT UNKNOWNN
427	FREED, ART
514	OCCUPANT UNKNOWNN
520	BRADFORD, STEVEN G
702	OCCUPANT UNKNOWNN
703	GOODWIN, ALAN M
710	WHEELER, BRETT
714	PLUMMER, H N
721	MCFARLAND, ERIN
722	KAISER, SCOTT R
	WENGER, CATHY M
723	DUMOULIN, J
726	NELSON, JOSEPH C
727	YOUNG, RHONDA
729	RICE, EARL D
732	OCCUPANT UNKNOWNN
738	OHONDT, DAVE
739	OCCUPANT UNKNOWNN
740	MAXEY, SHAWN
741	MATHIESON, MARK W
820	BOUSH MOVING & STORAGE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 1995

100	KORUM FORD INC
103	DAVCO ENTERPRISES INC
	PYRAMID TIRE OF PUYALLUP INC
111	R J B RESTAURANTS INC
208	TANDY CORPORATION DEL
300	LARSON MOTORS INC
315	ALLSTATE INSURANCE COMPANY
	ALOHA CHIROPRACTIC CENTER
	AMERICAN GENERAL FINANCE
400	KEN PARKS PUYALLUP SUBARU INC
	PUYALLUP CHEVROLET GEO SUBARU
401	MOCERI LEASING INC
	PUYALLUP CHRYSLER-PLYMOUTH
	SNAPPY CAR RENTAL INC
500	KORUM FORD INC
608	MILAM OLDSMBILE JEEP EGLE MZDA
	MILAM OLDSMOBILE INC
621	KMART CORPORATION
707	PICWAY SHOES
709	GRAVERSEN MARKETING CO
711	HI HO MUSIC CENTER
715	BJ 1 HOUR PHOTO
	VANS AMUSEMENT CENTER INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

4TH ST NW 1992

317	CARLINGTON GISMERVIG & CO P S
	GUSTAFSON, GREG A
	KNIGHT, GREGORY
402	URLOCKER, ARNOLD L
406	SJOSTROM, TIMOTHY
411	VANBAALE, MARVIN
520	WREN, STEVEN G
710	WHEELER, BRETT
714	PLUMMER, H N
721	AKERS, HOWARD
723	DUMOULIN, J
725	KETNER, STEVE
726	NELSON, JOSEPH C
727	NICKERT, JAMIE
729	RICE, EARL D
732	BLUMENTHAL, DANIEL L
741	MATHIESON, MARK A
744	HORTON, PAT
820	BOUSH MOVING & STORAGE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 1992

100	KORUM FORD INC
103	PYRAMID TIRE OF BURIEN INC
111	R J B RESTAURANTS INC
208	TANDY CORPORATION DEL
300	LARSON MOTORS INC
315	ALLSTATE INSURANCE COMPANY
	DOTTERS COUNSELING SERVICE
400	PARKS KEN CHEVROLET INC
401	MOCERI LEASING INC
	PUYALLUP CHRYSLER-PLYMOUTH
511	PUGET SOUND NATIONAL BANK
514	PUYALLUP MOTOR CO INC
608	MILAM OLDSMOBILE INC
621	KMART CORPORATION
715	ARCADE

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1989

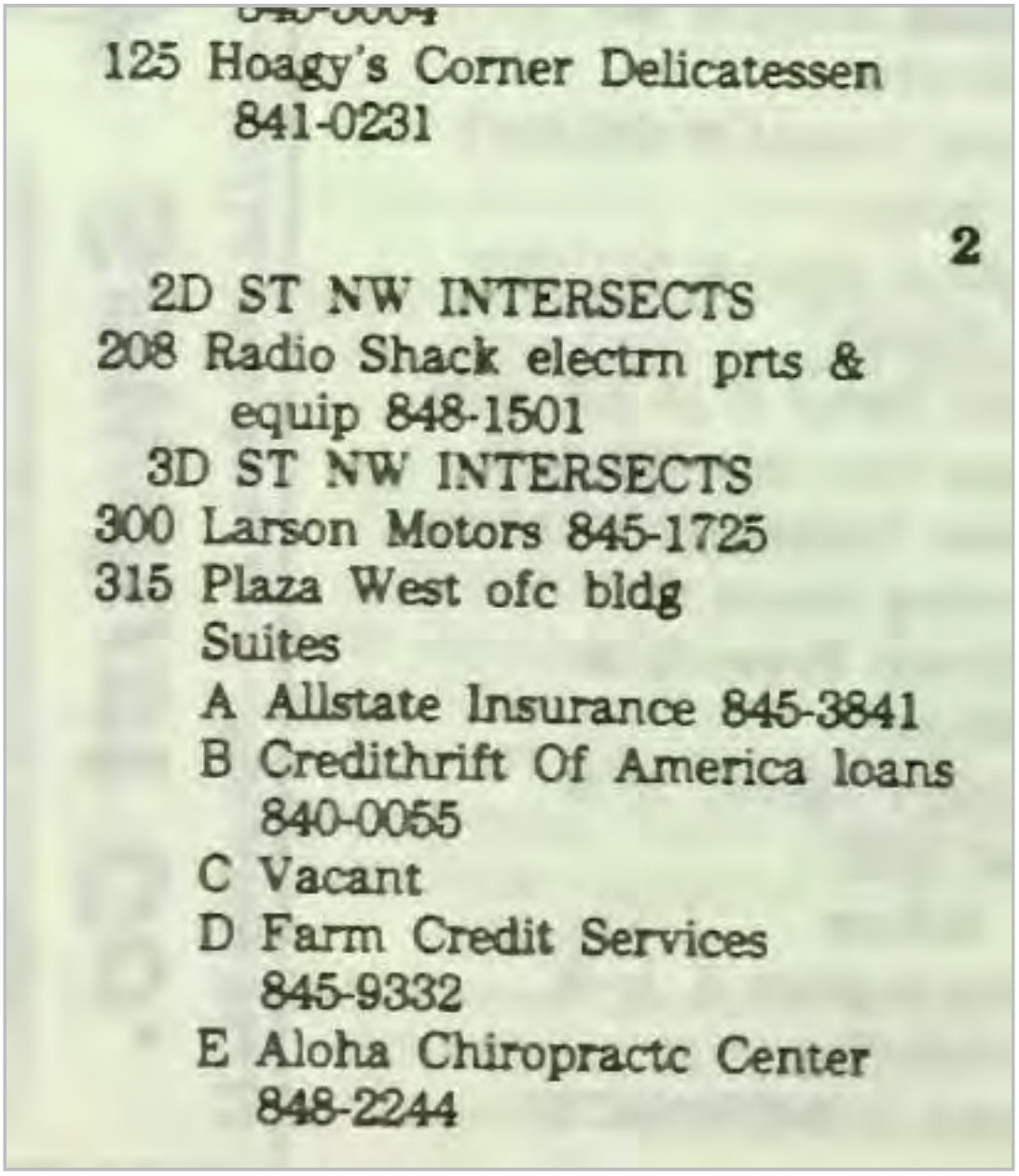
740 No Return
741 O'Kelly Eugenie I ◎
744 Horton Pat J ◎ 845-4908
820 Boush Moving & Storage Inc 845-8829

RIVER RD INTERSECTS

1200 Puyallup Cinema theatre 848-6999
1201 Puyallup City Animal Shelter 845-6622
Puyallup City Public Works Dept 841-5508
Puyallup City Weed Control 841-5508
Puyallup City Street Dept 841-5508
Puyallup City Public Works Dept (Tool Rm) 848-5508
Puyallup City Public Works Dept (Purch & Rec) 848-5508
Puyallup City Public Works Dept (Mtr Pool) 848-5508
Puyallup City Public Works Dept (Sign Shop) 848-5508
Puyallup City Public Works Dept (Refueling Sta) 848-5508

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1989



125 Hoagy's Corner Delicatessen
841-0231

2

2D ST NW INTERSECTS
208 Radio Shack electrn prts & equip 848-1501
3D ST NW INTERSECTS
300 Larson Motors 845-1725
315 Plaza West ofc bldg
Suites
A Allstate Insurance 845-3841
B Credithrift Of America loans 840-0055
C Vacant
D Farm Credit Services 845-9332
E Aloha Chiropractc Center 848-2244

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1989

4TH ST NW INTERSECTS

400 Parks Ken Chevrolet-Subaru Inc 845-9566

401 Moceri Leasing Inc car rental 845-7100

Puyallup Chrysler-Plymouth Inc auto dlrs 848-4511

500 Korum R V Center dealership 845-6600

511 Puget Sound National Bank 593-3970

Puget Sound National Bank (Consumer Credit Dept) 593-3550

608 Milam Oldsmobile Jeep-Eagle & Mazda Inc auto dlrs 845-1766

621 K-Mart dept store 848-8751

7TH ST NW INTERSECTS

707 Picway Shoes shoes ret 840-1721

711 Vacant

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1984

738★Silverwood Larry C ◎
848-7016
739 Flink Kenneth L ◎
740 Vacant
741 Vacant
744 Urwin Dale N ◎ 845-7867
820 Boush Moving & Storage Inc
845-8829
905 Quick Way Self Service Car
Wash
906 P M P Security Service
845-8665
RIVER RD INTERSECTS
1022 Puyallup Animal Shelter
845-6622
1201 City Public Works Dept
4200 Puyallup Cinema 848-6999

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1984

900

RIVER RD —FROM 900
MERIDIAN ST N
NORTHWESTERLY

ZIP CODE 98371

103 Pyramid Tire Co sls & serv
848-3538

111 Puyallup Dairy Queen
845-5064

125 Knutson Harold ◎ 841-4630

208 Radio Shack electrn prts &
equip 848-1501

2D ST NW INTERSECTS

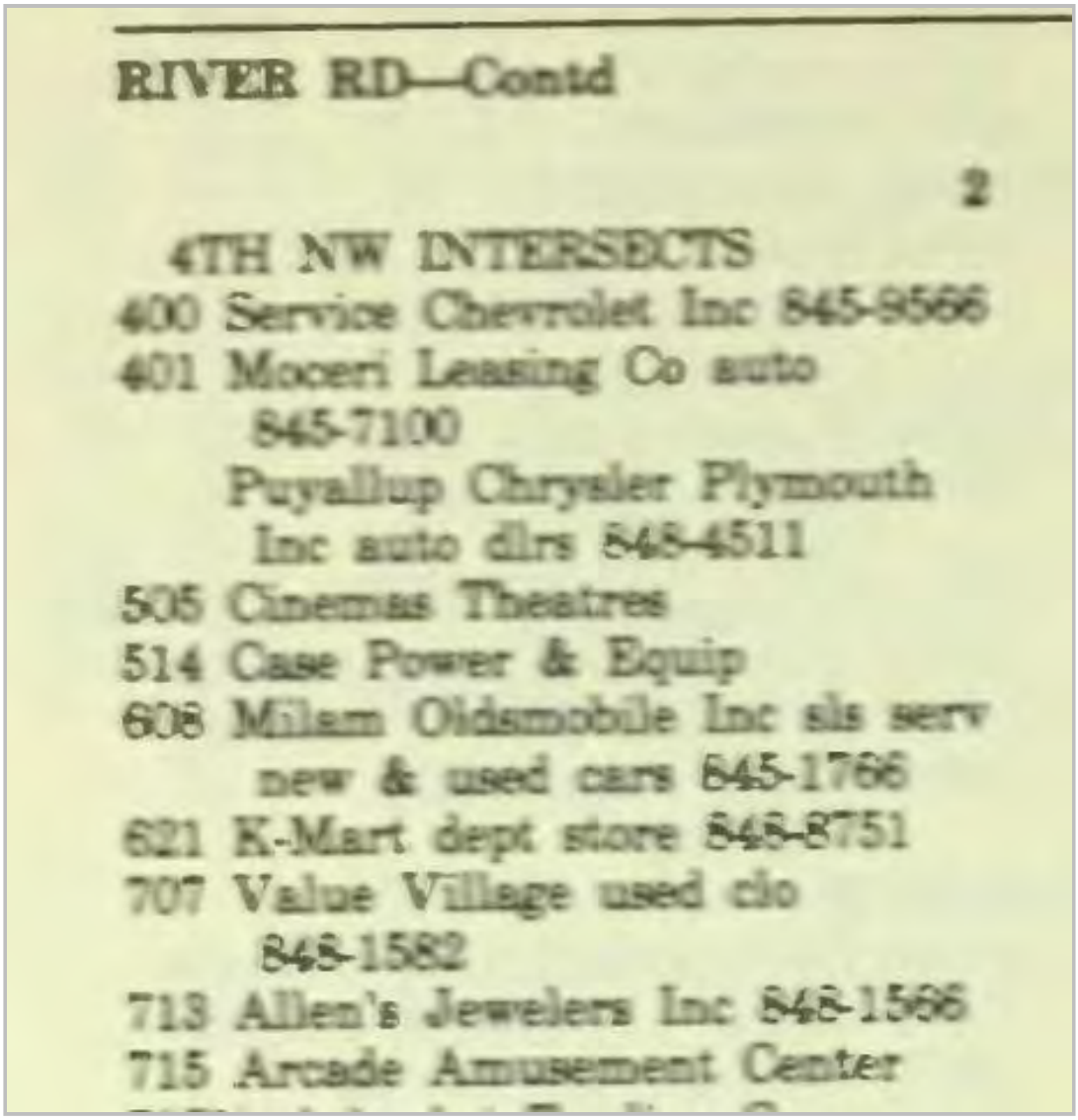
300 Larson Motors 845-1725

315 Puget Sound National Bank
593-3970

Puget Sound National Bank
(consumer credit div)
593-3550

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1984



RIVER RD—Contd

2

4TH NW INTERSECTS
400 Service Chevrolet Inc 845-9566
401 Moceri Leasing Co auto
845-7100
Puyallup Chrysler Plymouth
Inc auto dlrs 848-4511
505 Cinemas Theatres
514 Case Power & Equip
608 Milam Oldsmobile Inc sls serv
new & used cars 845-1766
621 K-Mart dept store 848-8751
707 Value Village used clo
848-1582
713 Allen's Jewelers Inc 848-1566
715 Arcade Amusement Center

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1979

721 Akers Howard J © 845-6265
722★Burdick Barbara © 848-1957
723★Harrison Thom B
725 Harrison Alene M 845-5890
725½★Schurebert Kusins
726 Nelson Joseph C © 845-4956
727★Liberty Terry J © 848-3627
729 Rice Earl © 863-1567
732 Maass Inez A Mrs ©
845-1963
738★Hill James V 848-0010
739 Flink Kenneth L ©
740★Umber Walter A
741 O'Kelly Eugenie Mrs ©
845-1820
744 Urwin Dale N 845-7867
820 Boush Moving & Storage Inc
845-8829
905 Quick Way Self Service Car
Wash
906 Service Chev (Stge Bldg)
RIVER RD INTERSECTS
1022 Puyallup Animal Shelter

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1979

900

RIVER RD —FROM 900
MERIDIAN ST N
NORTHWESTERLY

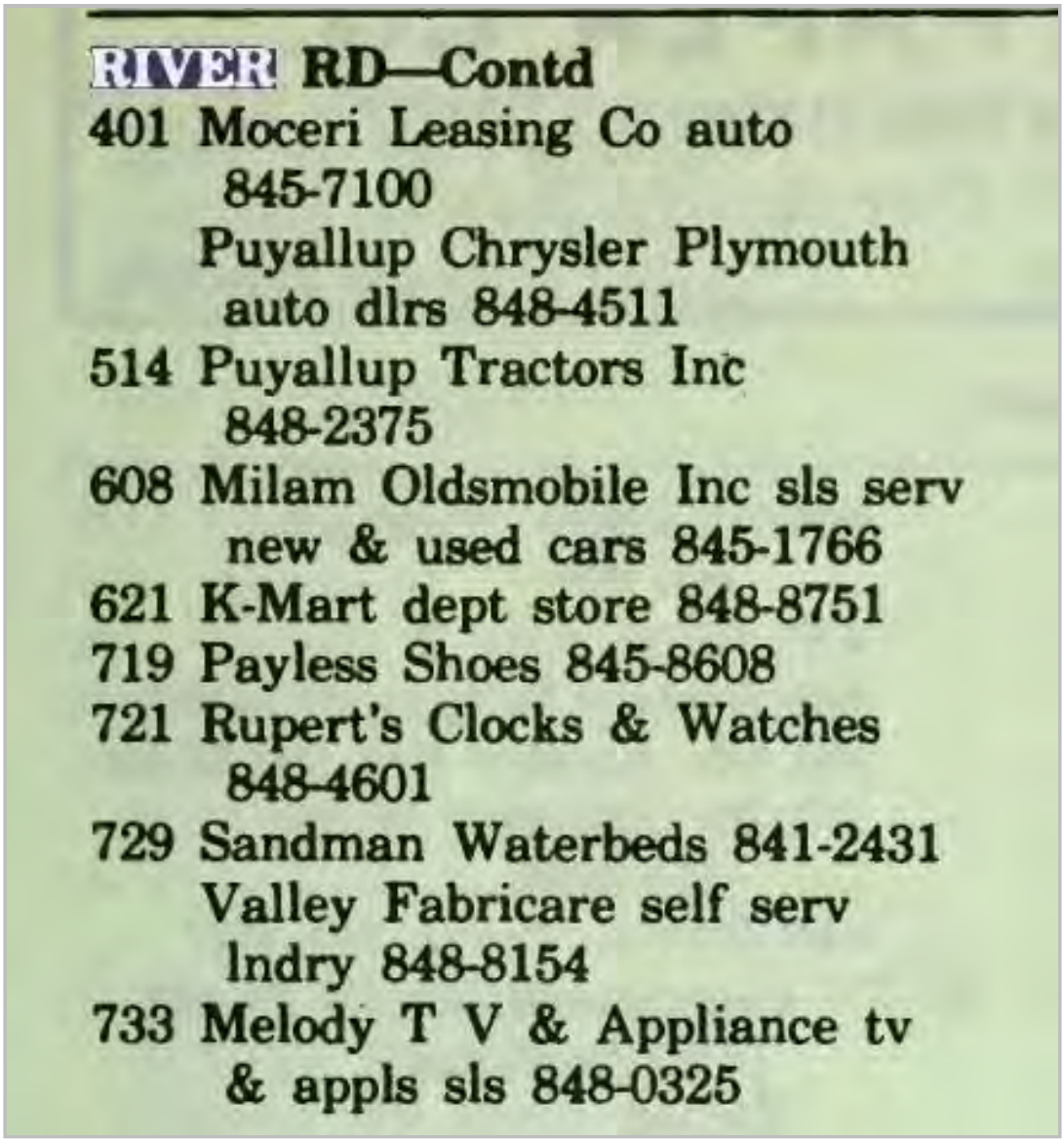
ZIP CODE 98371
103 Pyramid Tire Co sls & serv
848-3538
111 Gary's Dairy Queen 845-5064
125 No Return
208 Radio Shack electrn prts &
equip 848-1501
2D ST NW INTERSECTS
300 Larson Motors Inc 845-1725
315 Puget Sound National Bank
593-3970
Puget Sound Natl Bk
(consumer credit div)
593-3550

2

4TH NW INTERSECTS
400 Service Chevrolet Inc 845-9566

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1979



RIVER RD—Contd

401 Moceri Leasing Co auto
845-7100
Puyallup Chrysler Plymouth
auto dlrs 848-4511
514 Puyallup Tractors Inc
848-2375
608 Milam Oldsmobile Inc sls serv
new & used cars 845-1766
621 K-Mart dept store 848-8751
719 Payless Shoes 845-8608
721 Rupert's Clocks & Watches
848-4601
729 Sandman Waterbeds 841-2431
Valley Fabricare self serv
lndry 848-8154
733 Melody T V & Appliance tv
& appls sls 848-0325

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1974

7TH AV NW INTERSECTS

702 ★ Repp Mark S TH5-4777
710 ★ Metcalf Charles L ◎
714 Plummer Nora D Mrs ◎
TH5-1321
720 Clement Frank J ◎ TH5-6741
721 Akers Howard J ◎ TH5-8263
722 Ferro Leonard ◎ 848-1957
723 ★ Davenport Ronald
725 ★ Harrison Alene M 845-5890
725½ ★ Leeker Debra J
726 Nelson Joseph C ◎ TH5-4956
727 Johnson Arth J ◎
729 Covert Gordon L ◎ TH5-9135
732 Maass Inez A Mrs ◎
TH5-1963
738 Boush Johanna M Mrs ◎
TH5-5465
739 Flink Kenneth L ◎
740 Kuehn Karl ◎ TH5-1245
741 O'Kelly Eugenie Mrs ◎
TH5-1820
743 Sorenson Gordon G 845-9369
744 Urwin Dale N TH5-7867
820 Boush Moving & Storage Inc
TH5-8829
905 Quick Way Self Service Car
Wash

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1974

900

RIVER RD —FROM 900
MERIDIAN ST N
NORTHWESTERLY

ZIP CODE 98371

103 Goodrich B F Co 848-3538
111 Gary's Dairy Queen TH5-5064
125 Salzsieder Gary A ◎
TH5-5578
208 Radio Shack electronics parts
848-1501

2D ST NW INTERSECTS

300 Larson Motors Inc TH5-1725
315 Puget Sound National Bank
593-3972
324 Vacant

2

4TH NW INTERSECTS

400 Service Chevrolet Inc 845-9566

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1974

401 Puyallup Chrysler Plymouth
auto dlrs 848-4511
5TH NW INTERSECTS
506 Vacant
514 Puyallup Tractors Inc
848-2375
608 Milam Oldsmobile Inc sls serv
new & used cars TH5-1766

4

7TH ST NW INTERSECTS
823 Herb's Towing TH5-6750
825 Independent Auto Repair
Herb's Trucks TH5-1412
826 Andy The Welder 848-9957
No Return
Steve's Used Cars TH5-9957

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1969

720 Clement Frank J ◎
TH5-6741
721 Akers Howard J ◎
TH5-8263
722 Cobb Darrell E ◎ TH5-2178
723 Hardie Merle
725 No Return
725½ Vacant
726 Nelson Joseph C ◎
TH5-4956
727 Johnson Arth J ◎ TH5-6435
729 Covert Gordon L ◎
TH5-9135
732 Maass Inez A Mrs ◎
TH5-1963
738 Boush Johanna M Mrs ◎
TH5-5465
739 Scheyer Robt J ◎ TH5-6491
740 Turnbow Barney B
TH5-4548
741 O'Kelley Eugenie Mrs ◎
TH5-1820
743 Sorenson Gordon G
TH5-9369
744 Urwin Dale N TH5-7867
820 Boush Moving & Storage Inc
TH5-8829
905 Quick Way Self Service Car
Wash
906 Grant's Insurance Agency
Inc TH5-8856

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1969

208 Radio Shack electronics parts 848-1501

2D ST NW INTERSECTS

300 Larson Rambler Inc TH5-1725

324 River Road Gulf Station TH5-9865

2

4TH NW INTERSECTS

400 Grant's Chevrolet Inc TH5-9566

401 Puyallup Chrysler Plymouth auto dlrs TH5-8853

5TH NW INTERSECTS

506 U S Agrl Stabilization & Conservation TH5-2255

U S Soil Conservation Serv TH5-5533

State Dept Of Natural Resources TH5-9464

514 Puyallup Tractors Inc TH5-9575

608 Grant-Milam Oldsmobile Inc sls serv new &used cars TH5-1766

4

7TH ST NW INTERSECTS

825 Herb's Towing auto TH5-6750

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1964

520 Custerd Alvina @ TH5-2256
6th av NW intersects
602 Simpson Earl S @ TH5-2378
610 Ammerman Alva C @ TH5-2995
702 Brown Lucy C Mrs @
TH5-4169
710 Nish Joe Y @
714 Plummer Nora D Mrs @
TH5-1321
720 Clement Frank J @ TH5-6741
721 Akers Howard J @ TH5-8263
722 Cobb Darrell E @ TH5-2178
723 Vacant
725 Perry Richd M TH5-2821
726 Nelson Jos C @ TH5-4956
727 Johnson Arth J @ TH5-6435
729 Covert Gordon L @ TH5-9135
732 Maass Inez A Mrs @
TH5-1963
738 Boush Robt F @ TH5-5465
739 Scheyer Robt J @ TH5-6491
740 Fletcher Robt C TH5-2792
741 O'Kelly Eugenie Mrs @
TH5-1820
743 Westover Jos
744 Parker Marvin E TH5-5881
745 Kenna Winifred @ TH5-2042

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1964

2

RIVER ROAD — From 900 Meridian N northwesterly

103 Bob & Ray's Serv gas sta
TH5-9982

111 Gary's Dairy Queen
TH5-5064

124 Elburg Vincent @ TH5-6740

125 Salzie Gary A @ TH5-5578

2d NW intersects

315 First Union National Bank
TH5-6606

4th NW intersects

400 Grant's Chevrolet Inc
TH5-9566

5th NW intersects

506 US Dept of Agrl-Agrl Stabilization and Conservation
TH5-2255

US Dept of Agrl-Farmers Home Admn TH5-5262

US Dept of Agrl-Soil Conservation Serv TH5-5533

US Dept of Natural Resources
TH5-9464

608 Grant-Milam Oldsmobile Inc
used cars TH5-1766

4

7th NW intersects

825 Herb's Used Cars TH5-6750

Target Street	Cross Street	Source
-	✓	Polk's City Directory

4TH ST NW 1959

610 Ammerman Al C ⓞ
TH5-2995
702 Brown Lucy C Mrs ⓞ
TH5-4169
710 Nish Joe Y ⓞ TH5-6216
714 Plummer Nora D Mrs ⓞ
TH5-1321
720 Clement Frank J ⓞ
TH5-6741
721 Akers Howard J ⓞ TH5-8263
722 Vacant
723 Bailey Geo
723½ Vacnant
725 Jane's Guest House lodgings
TH5-6361
Esget Danl W ⓞ TH5-6361
726 Nelson Jos C ⓞ
727 Johnson Arth J ⓞ
TH5-6435
729 Covert Gordon L TH5-9135
732 Maass Reinhart A ⓞ
TH5-1963
738 Boush Robt F ⓞ TH5-5465
739 Scheyer Robt J ⓞ TH5-6491
740 Coty Jerry M TH5-9209
741 Grant Howard I ⓞ
TH5-2786
743 Miller Gary L ⓞ TH5-4128
744 Parker Marvin E
745 Kenna Winifred ⓞ
TH5-2042

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1959

2

RIVER ROAD—From 900 Meridian N northwesterly

103 B & K Serv gas sta
🔔 TH5-6777
B & K Oil Serv fuel
🔔 TH5-6777

111 Gary's Dairy Queen
🔔 TH5-5064

124 Dorsey Claire ◎ 🔔 TH5-6915

125 Bischoff Fred B ◎
🔔 TH5-2437

2d NW intersects
4th NW intersects

400 Grant's Chevrolet Inc
🔔 TH5-6693

5th NW intersects

515 Vacant

4

7th NW intersects

825 Herb's Used Cars 🔔 TH5-1609

827 Montana Cabins
Emmel Peter R ◎ 🔔 TH5-6458

9th NW intersects

920-23 Ted's Used Cars
🔔 TH5-1609

1017 Ted's Car Barn used cars
🔔 TH5-1609

APPENDIX B

PREVIOUS ENVIRONMENTAL REPORT AND OTHER DOCUMENTS SELECTED PORTIONS

ROBINSON
NOBLE

HILT INVESTMENT HOLDINGS, LLC
400 RIVER ROAD
PUYALLUP, WASHINGTON

PHASE I ENVIRONMENTAL SITE ASSESSMENT

SEPTEMBER 13, 2016

by

Kari A. Thomas
Project Geologist

John F. Hildenbrand
Principal Environmental Scientist
Environmental Services Manager

2105 South C Street
Tacoma, Washington 98402
P: 253.475.7711 | F: 253.472.5846

www.robinson-noble.com

17625 130th Avenue NE, Suite 102
Woodinville, Washington 98072
P: 425.488.0599 | F: 425.488.2330

Phase I Environmental Site Assessment

400 River Road
Puyallup, Washington

September 13, 2016

Prepared for:

HILT Investment Holdings, LLC
819 River Road
Puyallup, WA 98371

Attention: Don Fleming

Prepared by:

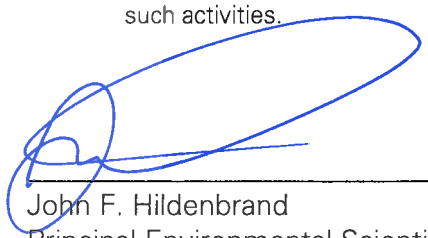
Robinson Noble, Inc.
2105 South C Street
Tacoma, WA 98402
(253) 475-7711

DECLARATIONS

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional* as defined in "312.21 of 40 CFR part 312."

"I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I performed and/or developed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR part 312."

*A person who does not qualify as an Environmental Professional may assist in the conduct of all appropriate inquiries in accordance with ASTM E1527-13 if such person is under the supervision or responsible charge of a person meeting the definition of an environmental professional when conducting such activities.



John F. Hildenbrand
Principal Environmental Scientist
Environmental Services Manager

Executive Summary

Robinson Noble, Inc. has prepared a Phase I Environmental Site Assessment of tax parcels 0420214807, 0420214808, 0420214014, and 0420214057 located in Pierce County, Washington. The address assigned to the property is 400 River Road, Puyallup, Washington.

This Phase I Environmental Site Assessment (ESA) was prepared in general accordance with ASTM Standard E1527-13. It was prepared using generally accepted professional practices, and observations and findings generated for this project are based on information limited to "reasonably ascertainable sources." This ESA is not intended to be an exhaustive search for all possible environmental issues. It was designed to utilize reasonably ascertainable information in order to determine whether recognized environmental conditions (as defined by ASTM) warranting additional investigation are present. The Phase I ESA is intended as a step to qualify the report's user for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. The scope of services for the ESA included reviewing the physical setting of the property, reviewing government databases for potential environmental risks to the property, conducting historical research concerning the property, and conducting interviews with people knowledgeable about the property. The work was completed by, or under the direction, of an environmental professional as defined in ASTM E1527-13.

The current land use of the subject property is commercial. The property is currently occupied by Northwest Motorsport, a car dealership. Neighboring and adjoining parcels include public roads, car dealerships with repair and maintenance shops, and a moving and storage business. We inspected the subject and found no recognized environmental conditions on the property. No recognized environmental conditions were found on adjoining properties during the inspection.

Aerial photographs and topographic maps indicate the subject property was developed with agricultural land and a small building, likely an outbuilding, prior to 1941. Following that time, previous reports suggest the subject was developed as a car dealership by 1953.

A database search was conducted to identify known sites within a radius of up to one mile from the subject property that may have the potential to impact the subject with contamination. The subject property is listed on the Underground Storage Tank (UST), ALLSITES, Resource Conservation and Recovery Act (RCRA) Non-generator (Nongen)/No Longer Regulated (NLR), Finds, and Enforcement and Compliance History Online (ECHO) databases. One listed site off the subject property was further investigated to determine the level of concern to the subject. This site, Boush Moving and Storage, does appear to impact the subject property and is described in more detail below.

Robinson Noble performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this document. This assessment has not revealed evidence of recogonized environmental conditions except for:

The potential for soil and groundwater contamination on the subject from an underground storage tank on the neighboring property, Boush Moving and Storage, represents a recognized environmental condition. Boush Moving and Storage, located at 820 4th Street Northwest, adjoins the subject property to the south. The property contains a combination gas and diesel underground storage tank that is abandoned on the property. Records show that the tank has been emptied. Details of the underground-storage tank are discussed in Section 4.1. Since the

underground-storage tank is upgradient of the subject, it is possible for contamination, if it exists, to have migrated to the subject. The previous borings were not in an optimal position to identify contamination from the adjoining property to the south. However, the contamination, if it exists, is likely not extensive since contamination associated with the off-site tank was not identified in soil borings that were advanced on the subject property during previous environmental investigations.

As described in Section 2.0, we were unable to review the complete history of environmental investigations conducted on the property. We recommend obtaining the previous reports, if possible, for further review to determine if previous investigations are sufficient to resolve the recognized environmental condition identified above and the significant data gaps. If not, we recommend a subsurface investigation be conducted near the southern boundary of the subject property to identify if soil or groundwater contamination potentially associated with the adjoining property is present on the subject site.

1.0 Introduction

1.1 Scope of Services and Purpose of Report

This Phase I Environmental Site Assessment (ESA) was prepared in general accordance with ASTM Standard E1527-13 and the professional services agreement (PSA) between Robinson Noble and HILT Investment Holdings, LLC executed on August 10, 2016. The PSA and a detailed scope of services are attached as Appendix E of this report. The noted scope of services was developed based on standard industry practices and ASTM Standard E1527-13. Unless an item is specifically addressed in the noted scope of services and discussed herein, it should be assumed that it was not included in the scope of work for this project. This Phase I ESA was prepared for the subject site located at 400 River Road, Puyallup, Washington.

1.2 Conditions and Limitations

This project was generally completed within the standard scope defined by ASTM. The contractual agreement between the client and Robinson Noble did not contain any special conditions or limitations. As outlined in ASTM E1527-13, the observations and findings generated for this project were based on information limited to "reasonably ascertainable sources."

This report was prepared using generally accepted professional practices. The nature of the ESA process requires that information generated, managed, and/or controlled by third parties is utilized. We believe that the sources utilized are accurate; however, we cannot guarantee that the third-party information is free of error. While we warrant that the opinions and conclusions drawn from information gathered during this study are based on sound professional judgment, we reserve the right to modify any opinion, conclusion, and/or recommendation in the event new, revised or different information becomes available. Unless specifically stated herein, no other warranty, expressed or implied, is made.

This ESA is not intended to be an exhaustive search for all possible environmental issues. It was designed to utilize reasonably ascertainable information in order to determine whether recognized environmental conditions (as defined by ASTM) warranting additional investigation are present. However, according to ASTM 1527-13 "no environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property." This ESA is intended to reduce uncertainty regarding recognized environmental conditions for the subject property, but it cannot eliminate all uncertainty.

The Phase I ESA is intended as a step to qualify the report's user for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. It constitutes a portion of the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined by 42 U.S.C. §9601. The scope of services noted in Section 1.1 was completed by, or under the direction of, an environmental professional as defined in ASTM E1527-13.

1.3 Client and Right of Reliance

As outlined in the PSA governing this project, the client is HILT Investment Holdings, LLC. An additional right of reliance is granted to Columbia Bank.This report was prepared for the use of the client for the purposes outlined herein and in contract documents under which the project was completed.
Reliance by any party other than HILT Investment Holdings, LLC or Columbia Bank is strictly at their own risk. Additional entities may be granted the right to rely on this report, subject to the approval of the client and agreement by the relying party regarding the scope of services under which this report was prepared. Such additional rights-of-reliance may only be granted in writing either by specific mention in this section or in a letter of reliance prepared and signed by Robinson Noble

2.0 Previous Reports

We reviewed a previous Phase I ESA produced by Partner Engineering and Science, Inc (Partner) for Sterling Bank in 2013 that was provided by HILT Investment Holdings, LLC. Partner's report stated that the city directories included in thier Phase I ESA show that the subject was listed as Grant's Auto Sales and Service in the 1953 directory. The report indicates that Mrs. Amy Jackson with the Central Pierce Fire and Rescue Prevention and Education division stated that she had no fire incident records for the subject property. Permits obtained from the City of Puyallup Building Department for the phase I ESA contain building permits for signs on the subject and for replacing gas furnaces. The Partner report also references a previous Phase I ESA completed by Environmental Associated, Inc. in 2003. We were unable to obtain a copy of this older Phase I ESA. However, the Phase I report completed by Partner summarizes some of the report details from the older Environmental Associated Phase I ESA.

We have labeled the subject property buildings, former underground-storage tank locations, and the location of the above-ground storage tank on an aerial map of the site which is attached as Figure 2 in Appendix A. The Partner Phase I ESA indicates that the Environmental Associated, Inc. ESA suggests that the subject building (Building 1) had been heated in the past with heating oil stored in an underground-storage tank. The report suggests that the closed-in-place heating-oil tank is located beneath the southern margin of the parts offices (southeastern portion of Building 1). The report also identified that a gasoline UST was formerly located on the subject property near the southeastern driveway.

The Partner Phase I ESA also references a Phase II ESA that was conducted by Encore Environmenal Consortium, LLC (Encore) in 2003 for Argonaut Holdings, LLC. We were not able to acquire this report. The description below is based off of a summary of the report findings from the Phase I ESA completed by Partner. The purpose of the Phase II was to investigatie recognized environmental conditions found in the Environmental Associated, Inc. Phase I ESA conducted in 2003, described above.

The assessment reportedly consisted of 18 direct-push soil borings advanced on the subject property. Soil borings were advanced near storm drains at the request of Argonaut, one of which was in the vicinity of an above-ground oil-water separator on the subject. One soil boring was located near the assumed location of a former gasoline UST and one boring was advanced near the east side of the subject property to investigate potential impacts from the adjacent property to the east. A single boring was advanced near the closed-in-place heating-oil underground storage tank and two soil borings were placed near a waste-oil tank that was active at the time of the investigation. Eleven soil borings were advanced to investigate

locations of former underground hydraulic vehicle hoists. Soil and groundwater samples were collected at each boring location.

The soil results for samples collected near the waste-oil tank (active at the time) were found to contain gasoline-range and diesel-range petroleum hydrocarbons above applicable Washington State Model Toxic Control Act (MTCA) cleanup levels. In addition, previous reports and health department records indicate that the waste-oil tank was previously replaced and that the former tank was located in the same area. The previous waste-oil tank was reportedly removed in 1987. Ecology and health department records describe the decomissioning and removal of contamination regarding the waste-oil tank which was active at the time of the previous investigations in 2003, as described in Section 4.2 and 4.3.1. Confirmation samples collected from the excavation confirmed that the contamination was removed. The Tacoma-Pierce County Health Department (with authority from the Washington State Department of Ecology) issued a no-further-action (NFA) determination for the tank area indicating that the contamination was removed to the satisfaction of the health department. Since the tank was removed, contaminated soils were removed, and since the health department provided a NFA determination for the tank area, we have determined that the former waste-oil underground storage tanks do not represent a significant risk to the subject.

The Partner report indicates that no constituents were detected in soil samples collected from the borings along the eastern boundary of the property, near the closed-in-place heating-oil tank, near the storm drains, or near the hydraulic hoists. No groundwater contamination was found during the 2003 investigation completed by Encore. Since contamination was not identified near the location of the closed-in-place heating-oil tank, we have determined that the risk to the subject is likely low.

Since health department records, discussed in Section 4.3.1 describe the removal of two hydraulic hoists, and because the investigation by Encore did not identify any contamination near the former hoist locations, we opine that the hydraulic hoists likely do not represent a significant risk to the subject.

The site previously had a gasoline underground-storage tank, which previous reports indicate was located on the subject near the southeastern driveway. Records indicate the tank was removed in 1987. The boring advanced by Encore, revealed Xylene at a concentration of 15.8 mg/kg in soil sampled from the assumed location of the former gasoline UST, which is above the MTCA Method A cleanup level of 9 mg/kg. Due to the exceedance, the area of the gasoline UST was excavated by Environmental Management Services, LLC. (EMS) on September 2, 2004 and 26.37 tons of impacted soil was excavated and transported off site. Soil samples were collected from the excavation and analyzed for gasoline-range total petroluem hydrocarbons, benzene, toluene, ethyl benzene, and xylene (BTEX). Two additional samples were analyzed for total hydrocarbons by HCID method. The confirmation samples collected from the excavation were reported below the MTCA method A cleanup levels for the applicable constituents. No groundwater was encountered during the excavation. Since the area was excavated, contaminated soil was removed, and confirmation samples verified that the contamination was removed, we have determined that the former gasoline UST represents a low risk for the subject property.

We were unable to review a complete history of the environmental reports that exist for the subject property. Therefore, we are unable to verify the accuracy of some of the findings and conclusions within the previous reports. This is a significant data gap.

Available previous reports are included in Appendix D.

3.0 Physical Setting

3.1 Site Description

3.1.1 Legal and Location

The subject site is comprised of four parcels identified by Pierce County records as parcel numbers 0420214807, 0420214808, 0420214014, and 0420214057. The address assigned to the property is 400 River Road, Puyallup, Washington. A general location map is provided as Figure 1 in Appendix A. Five buildings are located on the subject property which have been numbered (Building 1 through Building 5) for clarity. Building numbers are labeled on Figure 1. A site diagram, indicating approximate parcel boundaries, is included in Appendix A as Figure 2. The subject consists of approximately 3.87 acres.

3.1.2 Current Property Use

The land use of the subject is commercial. The property is currently occupied by Northwest Motorsport, a car dealership.

3.1.3 Structures and Improvements

The subject property includes five commercial buildings, two large canopies, and asphalt parking lots and driveways.

3.2 Regional Characteristics

3.2.1 Current Adjoining Land Uses

The subject is situated in an area that is generally developed with commercial land uses. The directly adjoining parcels are occupied by the following:

- North: River Road and a car dealership
- Northeast: River Road, service center (repair shop) for car dealership, and a commercial building containing a restaurant, an investment company, a payday loan business, a hearing medical office, hair salon, a tax-services business, Verizon wireless store, and a dentist's office
- East and southeast: Fourth Street Northwest and a car dealership
- South: Boush Moving and Storage
- Southwest and west: A car dealership
- Northwest: River Road and Key Bank

3.2.2 Topography, Geology, and Soils

The subject property is at an elevation of between 35 to 40 feet above sea level, sloping gently to the south. The subject property is located in the Puyallup River valley approximately 1,200 feet south of the river.

Troost (in press) maps the surface geology of the subject and surrounding area as alluvium. These sediments are generally composed of silt, sand, and gravel. This unit is generally very permeable.

Soils in the area of the subject have been classified as xerorthents, Puyallup fine sandy loam, and Pilchuck fine sand by the USDA (2015). Xerorthents is associated with fill material. Puyallup fine sandy loam and Pilchuck fine sand are generally associated with flood plains. These soils are typically well drained to excessively drained, respectively.

The soil survey map identified fill material in the central portion of the subject property. Although fill may exist, multiple soil borings have been advanced on the subject property as described in Section 2.0. Our review of previous work did not describe unsuitable fill material and analytical results did not identify contamination associated with fill materials. Therefore, we opine that fill material that may exist on the subject property is likely not a significant risk to the subject property.

3.2.3 Surface Water and Groundwater

There is no surface water on the subject. The nearest surface water body is the Puyallup River, located approximately 1,200 feet north of the subject.

Based upon well logs obtained from the Department of Ecology for sites near to the subject, the depth to groundwater is generally 15 to 20 feet. Shallow groundwater flow directions and depths are likely influenced by proximity to the Puyallup River. Groundwater flow directions in the vicinity of the subject site are presumed to be toward the north. Given that the groundwater gradient is relatively flat (at the scale of the subject property), the groundwater flow direction may vary from this presumed direction. However, the actual groundwater flow direction and depth cannot be fully characterized without performing work beyond the scope of this study.

3.3 Site and Surrounding Area Reconnaissance

Kari Thomas, a Robinson Noble geologist, completed a site reconnaissance (inspection) on August 19. The purpose of the reconnaissance was to obtain readily apparent indications of potential recognized environmental conditions as defined by ASTM Standard E1527-13. Selected photographs from the reconnaissance are attached in Appendix A. The inspection included a walkthrough of the site and a review of the surrounding properties. Also included was an inspection for possible contamination sources, including those noted below, on the site and from adjoining properties.

- storage tanks (underground and above ground)
- wells (water wells, dry wells, irrigation wells, monitor wells, etc.)
- drums or chemical storage areas
- hazardous substances, petroleum products, and unidentified containers
- pools of liquid, ponds, and surface impoundments
- maintenance or shop areas
- waste water systems
- sumps or storm drains
- interior stains or corrosion
- stained soil or pavement
- potentially PCB-containing equipment
- piles of waste or trash; solid waste
- dead or dying vegetation
- unusual odors
- other observations that in the opinion of the field investigator indicate the possible presence of conditions of concern

As described in Section 3.1, the site is currently occupied by a Northwest Motorsport car dealership.

3.3.1 Interior Observations

The main building (Building 1) on the subject property contains multiple uses. The building contains a sales floor and offices, the parts and service department office, a waiting room, a parts- and tire- storage area, and maintenance and vehicle repair bays. The sales floor contains cubicle spaces and offices, and a showroom for a few vehicles. The sales area consists of typical office building materials and furnishings. The service center area contains offices, cashier, ordering

counters, and a waiting room for customers. The tire-storage area located in building one has a concrete floor and stacks of vehicle tires and boxes of vehicle parts. Small propane tanks are stored in the tire-storage area, which are used as forklift fuel. Rooms off the tire-storage area provide additional storage of wheels, and other various auto parts. Building 1 also contains a break room with a small kitchenette, tables and chairs, and gym equipment. The shop bays include above-ground-storage bins, which contain new motor oil. The shop floor is concrete and patched areas are visible on the floor, presumably from the removal of previous underground hoists. The current vehicle hoists in building 1 are above ground and are mounted onto the concrete floor. We did not observe any underground hoists in the repair bays. We did not observe floor drains in the maintenance and repair shops areas of building 1. Although dry stains were observed on the floor of the shop, we opine that the stains are confined to the concrete floor and do not likely impacted soils on the subject property. The parts department area includes a sales counter, racks of auto parts, and an area of Northwest Motorsport brand merchandise for sale. No environmental concerns or recognized environmental conditions were identified in Building 1.

Building 2 consists of vehicle repair and maintenance bays. The building contains a concrete floor and pad-mounted vehicle hoists. The shop contains above-ground storage containers for motor oil. We did not observe evidence of underground vehicle hoists remaining in place. Concrete patches and cuts, presumably associated with former underground hoists were observed on the shop floor. Above-ground storage bins containing new oil were observed in building two. No significant staining associated with the oil bins was observed. Although dry stains were observed on the floor of the shop, we opine that the stains are confined to the concrete floor and do not likely impacted soils on the subject property. We did not observe floor drains in building 2.

The wholesale office and balloon shed (Building 3) includes an office area and a storage shed for compressed helium tanks for filling balloons. The building consists of typical office building materials and furnishings.

Building 4 appeared to be primarily used for painting and auto body repair and also had a customizing shop. Building 4 has a concrete floor. Pad-mounted vehicle hoists are located in building 4. The southern-most room in building 4 contains two above-ground storage tanks for used oil. Various floor mats are layered on the floor in this room. Oil staining was observed on the exterior of the storage tanks, on floor mats, on compressor equipment, and on other surfaces in this room, indicating that spills, drips, and other releases of oil have occurred. However, the spills likely do not impact soils beneath the building since the building has a concrete floor and mats above the concrete floor likely captured any spills that have occurred. We recommend that best management practices be used regarding minimizing spills, containing spills, and cleanup of spills.

A washing machine and dryer, for washing laundry, are located in Building 5. Uniforms, antifreeze, transmission fluid, and other vehicle fluids, wheels, tires, and an all-terrain vehicle are stored in building 5. Building 5 has an older concrete floor. Vehicle fluid containers that appeared to be in use were located on floor mats. We opine that spills from vehicle fluids would be contained on the concrete surface or be captured by floor mats. Therefore, we opine that the risk from spills from vehicle fluid storage containers is likely low.

Some building materials observed in the subject buildings, including surfacing materials on walls and ceilings and floor tiles, are suspect asbestos-containing building materials. Asbestos surveying and sampling are not included as part of this Phase I ESA. We recommend that an

asbestos survey be completed by a certified building inspector in accordance with all local and federal requirements prior to any renovation, demolition, or disturbance of building materials on the subject property.

3.3.2 Exterior Observations

A canopy is located at the south end of the subject property, west of building 5. We observed car-washing activities occurring under the canopy. An above-ground oil-water separator (OWS) was observed near the car-washing station. Interviews with Northwest Motorsport employees indicate that water from the stormwater system on the subject property is pumped up to the oil-water separator and is then pumped underground into the sewer system on 4th Avenue. They also indicated that the OWS is cleaned out every six months. The OWS appeared to have secondary containment in the event of an overflow. Since the OWS appears to be routinely maintained, is above ground, and is equipped with a secondary containment system, and because previous evaluations, discussed in Section 2.0, did not identify contamination surrounding the OWS, we opine that the oil-water separator does not represent a significant risk to the subject property.

A second canopy is located in the southwest corner of the property, west of building 4. The canopy appeared to function as an area for vehicle detailing and painting. A metal shipping container is located on the south side of building 4. The shipping container appeared to contain storage of empty steel drums and empty 5-gallon containers, which previously contained paints and other various products.

3.3.3 Roads

River Road and 4th Street Northwest adjoin the subject property to the north and east, respectively.

3.3.4 Utilities

Public water and sewer serve the site. Heating and cooling of the occupied buildings appear to be accomplished by electricity.

3.3.5 Adjoining Properties

Adjoining properties were inspected from the adjoining right-of-ways during the site visit. Adjoining properties include car dealerships, public roads, a moving and storage business, and public roads. The interiors of buildings on the adjoining properties were not inspected.

3.3.6 Data Gaps

The interiors of neighboring buildings were not inspected. However, based on the observed uses of these properties, we interpret this data gap is not significant.There are no other data gaps to the site and area reconnaissance.

3.3.7 Site and Surrounding Area Summary

The visual inspection of the subject property did not reveal any recognized environmental conditions.

The visual inspection of the adjoining properties did not reveal any concerns defined by ASTM as a recognized environmental condition.

4.0 Government Agency Information

4.1 EDR Database Search

A database search was conducted through a private, third-party firm, Environmental Data Resources, Inc. (EDR), to identify sites of known or potential contamination within varying radii as defined by ASTM. These radii range from the target property only to up to one mile from the subject property. The database search results, including the search radii, are included in the EDR report, which is attached as Appendix B. A complete list and descriptions of the databases searched may be found in the Government Records Search/Data Currency Section of the EDR report. The absence of records should not be used as conclusive evidence that conditions do not exist. Sites may not have been reported or registered and/or may pre-date the requirement to report or register.

The subject site is located at 400 River Road, Puyallup, Washington. The EDR report lists the subject site on the Underground Storage Tank (UST), ALLSITES, Resource Conservation and Recovery Act (RCRA) Non-generator (Nongen)/ No Longer Regulated (NLR), Finds, and Enforecement and Compliance History Online (ECHO)databases. The subject property is listed on the UST regarding four underground storage tanks previously used on the subject property, including two waste-oil USTs, a gasoline UST, and a heating-oil UST. The USTs are described in more detail in Section 2.0, 4.2, and 4.3.1. The subject is listed on the remaining databases as a result of handling petroleum products and previous compliance assistance visits and local source control inspections. Based on previous environmental assessments described in Section 2.0, and based on health department and Ecology records described in Section 4.3.1 and 4.2, respectively, we have determined that the risk to the subject from the USTs is low.

The EDR report lists 109 properties/businesses with a total of 166 listed conditions falling within the ASTM standard search radii. In addition, the EDR report lists seven unmappable (orphan) sites with listed conditions. As part of this study, where reasonably ascertainable, we determined the locations of the unmapped listed sites.

We assessed the risk to the subject property from both the mapped and unmapped listed sites. We were able to determine without further research that all but one of the listed sites pose little risk to the subject. We made this determination by reviewing site locations in relation to the estimated groundwater flow direction, reviewing the types of listings, and reviewing the reported status of the listed sites. As described below, one site was researched in more detail to determine its level of risk to the subject.

Boush Moving and Storage (EDR map ID # 8) at 820 4th Street Northwest adjoins the subject property to the south. The property is listed in the UST and ALLSITES databases. The property is listed in the UST database for a combination gas and diesel underground storage tank that is abandoned on the property. The Department of Ecology provided records for the tank, however, minimal records exist. A letter from Boush Moving and Storage to the Department of Ecology indicated that the tank was last used in 1982 and that the tank was emptied. The tank records are described below in Section 4.2. Brad Costello with the Tacoma-Pierce County Health Department indicated that they do not have tank records and that the tank pre-dates their regulations. We opine that the tank may not be closed-in-place in accordance with current regulations.

The records also indicate that there was no leak detection, cathodic protection, or internal lining for the tank system. The location of the tank on the property is not described in the records provided by the Department of Ecology. If the tank has leaked, there is potential for

contamination to surrounding soil and groundwater. Since the property is located upgradient of the subject, it is possible that contamination may have migrated to the subject through a groundwater pathway and possibly soil contamination if the tank was in close proximity to the southern subject property boundary. The potential for soil and groundwater contamination on the subject from the underground storage tank on the neighboring property represents a recognized environmental condition. Previous soil borings were not placed in optimal locations to identify contamination from the adjoining property to the south. However, the contamination, if it exists, is likely not extensive since contamination associated with the off-site tank was not identified in soil borings that were advanced on the subject property during previous environmental investigations.

4.2 Washington State Department of Ecology File Review Information

Ecology records include a decommissioning report for the previous waste-oil underground storage tanks, located near the south side of building 2, which is also included in health department records and is discussed in Section 4.3.1. The records also include a letter from Ecology to Ken Parks Chevrolet in 1998 indicating that the subject tank system had not been upgraded to current standards and would not be issued a compliance tag.

A checklist included in Ecology records indicate that the subject previously contained a 550-gallon waste-oil tank and a 2,000-gallon unleaded-gasoline fuel tank on the subject property. The record indicates that the fuel tank and the oil tank were removed in 1987. The checklist indicates that contamination was not found and that a site assessment was not completed.

Ecology records include a records indicating that the gasoline UST on the subject property was removed in 1987. The records also indicate that the tank had been in place approximately fifteen years before it was removed and that the tank did not have a leak detection system or cathodic protection and that the tank was unlined.

Ecology also provided tank records for the adjoining property to the south, Boush Moving and Storage. Ecology records indicate that a leaded gasoline and diesel tank was installed on the property in 1977 and was last used in 1982. A letter from Boush Moving and Storage to Ecology indicates that they had the remaining fuel pumped out of the tank, but there are no records that the tank was removed. The records suggest that the piping associated with the tank is above ground and that the tank was between 500 and 1,000 gallons in capacity. Ecology records are included in Appendix D.

4.3 Local Government Records

4.3.1 Health Department Records

Brad Costello with the Tacoma-Pierce County Health Department provided records for the subject property regarding decomissioning of underground storage tanks that were previously located on the subject property and removal of former underground hydraulic vehicle hoists.

The records provided include a decomissioning project completed by Environmental Management Service, LLC for Friendly Chevrolet in 2004. A 650-gallon underground waste-oil tank, located on the subject property along the southern wall of building 2, was removed and confirmation soil samples were collected from the excavation area. The report states that the soil sample results were below the MTCA cleanup Limits of 2,000 mg/kg for diesel and oil-range petroleum hydrocarbons. The waste-oil tank is also described in Section 2.0.

The report also describes that two hydraulic-oil cylinders associated with the hoist system in a stall in the service shop (Building 2) were removed in 2004. The report details that soil samples were collected from the excavation and that no contamination was found above MTCA cleanup levels. The records include a NFA determination letter from the Tacoma-Pierce County Health Department regarding the removal of the underground waste-oil tank previously described. Health department records are included in Appendix D.

4.3.2 County Assessor Records

According to Pierce County Assessor's records, the owner of tax parcels 0420214807, 0420214808, 0420214014, and 0420214057 is K & A Holdings, LLC. These records indicate previous owners include CMW Investments, LLC and Parks Family, LLC. Parcel information was reviewed on the Assessor website and is attached in Appendix C.

4.3.3 County Auditor Records

We reviewed Pierce County Auditor records for the subject property. No environmental liens or activity and use limitations were identified in the records, nor did we find other information on potential recognized environmental conditions.

4.3.4 Title Records and Environmental Liens or Activity and Use Limitations

HILT Investment Holdings, LLC did not provide a copy of title records for the property. Title records can provide information on past owners and can potentially contain environmental liens or activity and use limitations not revealed by other sources. Without provided records, we did not review title records for the property.

4.4 Tribal Records

This property is not located within the historical boundary of an Indian reservation. Therefore, tribal records most likely do not exist. However, the inability to review tribal records is a data gap.

4.5 Data Gaps

Neither title nor tribal records were reviewed for this assessment. However, the owner has indicated that they have reviewed title documents and found no liens or encumbrances related to environmental conditions existing on the subject. Our review of County records also found no concerns. Also, the subject is not within the historic boundary of an Indian reservation, so tribal records likely do not exist. Therefore, we interpret both of these data gaps to be insignificant.

5.0 Historical Research

A critical part of the ESA process is the consultation of historical sources to develop a history of the previous uses of the subject property and surrounding area. The purpose is to identify the likelihood of past uses causing recognized environmental conditions that could potentially impact the subject property. According to ASTM, the goal of historical research is to develop an assessment of chronological site and area land use from the first development. The historical information reviewed includes available sources that are reasonably ascertainable and relevant (as defined in ASTM E1527-13). Aerial photographs, fire-insurance maps, USGS 7.5-minute topographic maps, local street directories, County records, Polk's directories, and historical atlases were reviewed for this project. Relevant historical findings are given below.

5.1 Aerial Photographs

Aerial photographs (aerials) were searched through a third-party firm, EDR. A copy of the EDR Aerial Photo Decade Package is attached in Appendix B. Aerials dated from 1941, 1943, 1957, 1968, 1972, 1980, 1986, 1990, 1991, 2006, 2009, and 2011were reviewed.

The subject property appears developed with agricultural land on the subject property on the 1941 map. The subject also includes timberland and vegetation associated with an oxbow lake. River Road adjoins the subject property to the north and 4th Street Northwest adjoins the subject property to the east. Agricultural land and a road are located on the adjoining property to the west. The properties adjoining the subject to the south appear to be residential and agricultural land. The 1943 map appears relatively similar to the 1941 map.

The subject property appears developed with a large commercial building (Building 1) on the 1957 map. The subject also contains a paved parking lot. The adjoining property to the west appears developed with a driveway and approximately three small buildings, likely a single-family residence and outbuildings.

Two additional commercial buildings (Buildings 2 and 5) appear developed on the subject property on the 1968 aerial. The properties north and northeast of the subject and River Road appear developed with commercial buildings on the aerial. The adjoining property to the south appears developed with a commercial building on the aerial. The adjoining property to the west appears redeveloped with an asphalt-paved lot and appears used as storage of items or possibly vehicles. The property east of the subject and 4th Street Northwest appears developed with two small commercial buildings.

A commercial building is shown on the adjoining property to the west on the 1972 map. A second large commercial building has been added to the adjoining property to the west on the 1980 aerial. A second commercial building is located on the adjoining property to the south on the aerial. The 1986 aerial is of poor clarity. However, it appears similar to the 1980 aerial. The 1990 and 1991 aerials appear similar to the 1980 aerial. The adjoining property southwest of the subject appears developed with commercial buildings on the 2006 aerial. Subsequent aerials appear similar to the 2006 aerial.

We did not find any historical environmental conditions from the aerial photo review.

5.2 USGS Topographic Maps

A topographic (topo) map search was completed through a third-party firm, EDR. A copy of the EDR Historical Topographic Map Report is attached in Appendix B. Coverage was available for years .

The earliest topo, dated 1897, Shows the Puyallup River in the area of the subject and surrounding area. The city of Puyallup appears developed in the surrounding area south of the subject. A small building is shown on the the subject property on the 1941 map. The building may be an outbuilding. The map shows an intermittent stream travelling through the subject property from east to southwest. Two commercial buildings are shown on the subject property on the 1961 map. Two additional commercial buildings are shown on the subject property on the 1968 map, as shown by structure symbols on the map. The adjoining properties to the north, east, and west appear developed with commercial buildings, as shown by structure symbols on the map.

The 1973 map appears relatively similar to the 1968 map. Additional development in the surrounding area is shown on the 1981 map as indicated by shading on the map. The 1994 map and subsequent maps do not show details at the scale of the subject.

No specific historical recognized environmental conditions were revealed through the topographic map search.

5.3 Sanborn Fire Insurance Maps

A Sanborn map search was completed through a third-party firm, EDR. A copy of the EDR Sanborn Map Report is attached in Appendix B. Sanborn fire-insurance map coverage is not available for the subject and surrounding area.

5.4 City, County, and Suburban Directories

A directory search was completed through a third party, EDR. Their report, EDR City Directory Abstract, is attached in Appendix B. This source shows available directory coverage for the area surrounding the subject property. Pertinent results of the directory research are detailed below.

The subject address, 400 River Road, is listed in the 1959, 1964 city directory as Grant's Chevrolet, Inc. (auto sales). The address is listed as Service Chevrolet, Inc in the 1970, 1975,and 1981 directories. Ken Parks Chevrolet Inc. is listed at the subject propery address in the 1986, 1992, 1995, and 1999 directories. The 1999 directory also lists Puyallup Chevrolet and Subaru at the subject property address. The 2003 and 2008 directories lists Bullet Proof Bedliners and Puyallup Chevrolet and Subaru on the subject property address. Northwest Motorsport and Bullet Proof Bedliners are listed at the subject property address in the 2013 directory.

The adjoining property to the west, located at 500 River Road, is listed in the 1992 city directory as Korum Motors (auto sales).

The property east of the subject and 4th Street Northwest is listed in the 1970, 1975, 1981, and 1986 directories as Larson Motors Inc. (auto sales), Daihatsu of Puyallup and Larson Dodge are listed at the address in the 1992 and 1999 directories. The property is listed as Larson Dodge in the 1995 directory and as Larson Motors Inc in the 2003 and 2008 directories. The property is listed as JMS Detail & Auto Accessories and Larson Motoros Chrysler Puyallup in the 2013 directory.

The adjoinig property to the south, located at 820 4th Street Northwest is listed in the 1970, 1975, 1981, 1986, 1992, 1995, 1999, 2003, 2008, and 2013 directories as Boush Moving and Storage Inc. The address is also listed as Olympic Moving & Storage in the 2013 directory.

No specific historical recognized environmental conditions were revealed through the directory research.

5.5 Additional Historical Sources

5.5.1 Fire Department/Fire Marshal

We submitted a public records request for fire records to the City of Puyallup. However, we have not yet received any records.

5.5.2 Building Permits

We submitted a public records request to the City of Puyallup for building permits. However, we have not yet received any records.

5.5.3 Other Historical Sources

No specific historical recognized environmental conditions were revealed through the research of these other historical sources.

5.6 Summary of Historical Findings

The historical research indicates the subject property was first developed prior to 1941 as agricultural land with an outbuilding. Following this initial development, city directories from the previous Phase I (Partner 2013) indicate that the subject was developed with a car dealership by 1954. The car dealership was expanded over time to include additional buildings.

Historically, the surrounding area was largely agricultural land and residences with outbuildings. While the surrounding area south of the subject property has remained predominantly residential, the remaining area was largely redeveloped with commercial uses in the 1960's.

No specific historical recognized environmental conditions were revealed through historical research.

5.7 Historical Data Failure Summary

We were unable to determine the first developed use. This is a historical data failure. However, aerials and topographic maps suggest that the subject was developed with a small building, likely an outbuilding, and agricultural land by 1941, which we opine is likely the first developed use. Because the first use was for agriculture, this data failure is not considered significant.

6.0 Client and Owner Provided Information and Interviews

6.1 Reason for Conducting the Phase I ESA

HILT Investment Holdings, LLC stated the purpose of this Phase I ESA is financing.

6.2 Valuation Reduction for Environmental Issues

Debbie Cupples, a representative of the current property owner, indicated the value of the property has not been reduced due to environmental issues.

6.3 Interviews

Interviews, both actual and attempted, for this Phase I ESA were conducted by Kari Thomas, a Robinson Noble geologist.

6.3.1 Agencies

Based on the information researched for this study, agency interviews were determined unnecessary and were not conducted.

6.3.2 Site Tenant(s)

We conducted an interview with Chase Malloy, a representative of Northwest Motorsport, at the time of the site visit. He provided information regarding uses of the subject buildings. He indicated that waste oil is removed from the above-ground storage tanks on the subject property by a contractor approximately once a week. He also indicated that storm drains on the subject property go through an above-ground oil-water separator located on the subject property. He stated that to his knowledge water on the site goes into the sewer system on 4th Street Northwest after it passes through the oil-water separator. Mr. Malloy indicated that the maintenance and repair shops currently utilize above-ground, pad-mounted vehicle lifts. Mr. Malloy

stated that they generally store less than 500 tires on the subject property. Our interview with Mr. Malloy did not reveal any significant environmental issues or recognized enviromental conditions.

6.3.3 Current Owners

We conducted an interview with Debbie Cupples, a representative of the current property owner. However, the interview did not reveal any significant environmental issues or recognized enviromental conditions. We also conducted an interview with Chase Malloy, a representative of the current property owner, described above in Section 6.3.2. Ms. Cupples provided previous reports and documentation for the subject property.

We also submitted a detailed questionnaire to Debbie Cupples. The questionnaire includes questions concerning the subject property's current use and history; whether the person answering the questionnaire has any specialized knowledge or experience, or are aware of any "commonly known information," in connection with potential environmental conditions; whether they have any actual knowledge of environmental liens or activity use limitations (AULs) for the subject; whether the value of the property has been affected by environmental issues; and concerning the reason why the Phase I ESA is needed. The answers to the questionnaire state that used oil and used oil filters are removed by Emerald Services and that batteries are recycled by Seattle Automotive Distributing. The questionnaire also suggests that all of the vehicle hoists were above ground at the time that the property was purchased on behalf of Northwest Motorsport. The questionnaire is attached in Appendix D. The answers to the questionnaire did not reveal any significant environmental issues or recognized enviromental conditions.

6.3.4 Previous Owners

Through our research on this project, we were able to identify at three previous owner of the subject property. The previous owers are businesses and we were unable to obtain anyone knowlegable about the property.

6.3.5 Others

No other interviews were conducted for this report.

6.4 Data Gaps

We were unable to interview previous owners. This is a data gap. However, we opine that the interviews, had they occurred, would not likely alter the findings of this report. Therefore, we have determined this data gap to be insignificant.

7.0 Findings, Conclusions, and Recommendations

7.1 Findings

The subject site is comprised of four parcels identified by Pierce County records as parcel numbers 0420214807, 0420214808, 0420214014, and 0420214057. The address assigned to the property is 400 River Road, Puyallup, Washington. These parcels are currently used primarily for commercial uses, and are occupied by Northwest Motorsport, a car dealership. The surrounding properties include public roads, car dealerships and maintenance and repair shops associated with the dealerships, and a moving and storage facility.

The historical research indicates the subject property was developed by 1941 with agricultural land and a small building, likely an outbuilding. Following this development, the subject was

redeveloped with a car dealership by 1953. The site was developed into its current configuration in 1968.

We reviewed standard environmental databases and found the subject property on the UST, ALLSITES, RCRA Nongen/ NLR, Finds, and ECHO databases. The subject property is listed on the UST regarding four underground storage tanks previously used on the subject property, including two waste-oil USTs, a gasoline UST, and a heating-oil UST. The subject is listed on the remaining databases as a result of handling petroleum products and previous compliance assistance visits and local source control inspections. The database search did indicate a number of nearby properties listed. We further investigated the only site that appeared to be of concern. Our additional investigation found evidence of a recognized environmental condition, which is described below in Section 7.3.

We submitted a questionnaire to the subject property owner and interviewed people knowledgable about the property. This information did not provide evidence of any recognized environmental conditions.

7.2 Data Gap Summary

Significant data gaps affect an environmental professional's ability to identify recognized environmental conditions. However, data gaps in and of themselves are not inherently significant. We identified one significant data gap through this study. We were unable to review a complete history of the environmental reports that exist for the subject property (see Section 2.0). Therefore, we are unable to verify the accuracy of some of the findings and conclusions within the previous reports. This is a significant data gap.

7.3 Conclusions

We have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-13 of 400 River Road, Puyallup, Washington. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this document. This assessment has not revealed evidence of recogonized environmental conditions except for:

The potential for soil and groudwater contamination on the subject property from an abandoned underground-storage tank located on the adjoining property to the south. Since the underground-storage tank is upgradient of the subject, it is possible for contamination, if it exists, to have migrated to the subject.

7.4 Recommendations

We opine that the contamination, if it exists, is likely not extensive since contamination associated with the off-site tank was not identified in soil borings that were advanced on the subject property during previous environmental investigations. As previously described, we were unable to review the complete history of environmental investigations conducted on the property. We recommend obtaining the previous reports, if possible, for further review to determine if previous investigations are sufficient to resolve the recognized environmental condition identified above and the significant data gaps. If not, we recommend a subsurface investigation be conducted near the southern boundary of the subject property to identify if soil or groundwater contamination exists from the adjoining property.

8.0 References

Federal, State, and Local Agency Records

Pierce County Assessor's Office

Tacoma-Pierce County Health Department

U.S. Geological Survey - 7.5 - Minute Series - Puyallup quadrangle

U. S. Department of Agriculture - Soil Survey, 2015 Pierce County, Washington

Washington State Department of Ecology, Southwest Region

Library Research Tools

Metsker's Historical Atlas

Polk's City Directory

Sanborn Fire Insurance Maps

Other Sources

Environmental Data Resources Inc., 2016:

- EDR Radius Map™ Report with GeoCheck®, August18
- EDR Historical Topographic Map Report, August 11
- EDR Aerial Photo Decade Package, August 12
- EDR City Directory Image Report, August 15
- EDR Certified Sanborn® Map Report, August 12

Google Maps: http://maps.google.com/

Google Earth: http://www.google.com/earth/

Partner Engineering and Science, Inc., 2013, Phase I Environmental Site Assessment Report, 400 River Road Puyallup, Washington, prepared for Sterling Bank

The Riley Group, Inc, 2011, Focused Phase II Subsurface Investigation NW Motorsport Property, 400 River Road Puyallup, Washington, prepared for Northwest Motorsport

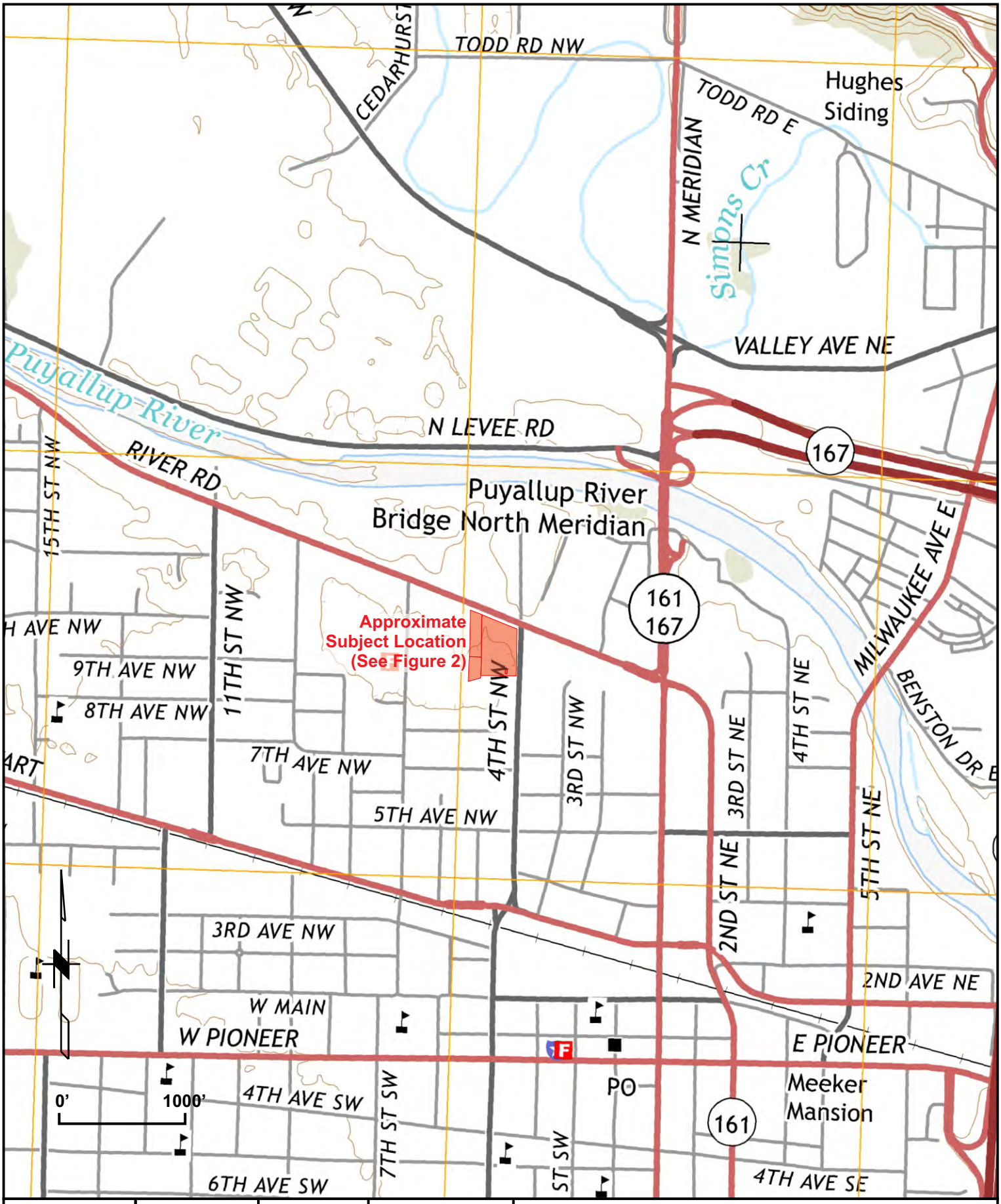
Troost, K.G, Booth, D.B., and Borden, R.K., in press, Geologic map of the Puyallup 7.5-minute quadrangle, Washington: U.S. Geological Survey Miscellaneous Field Investigation, scale 1:24,000

9.0 Closing

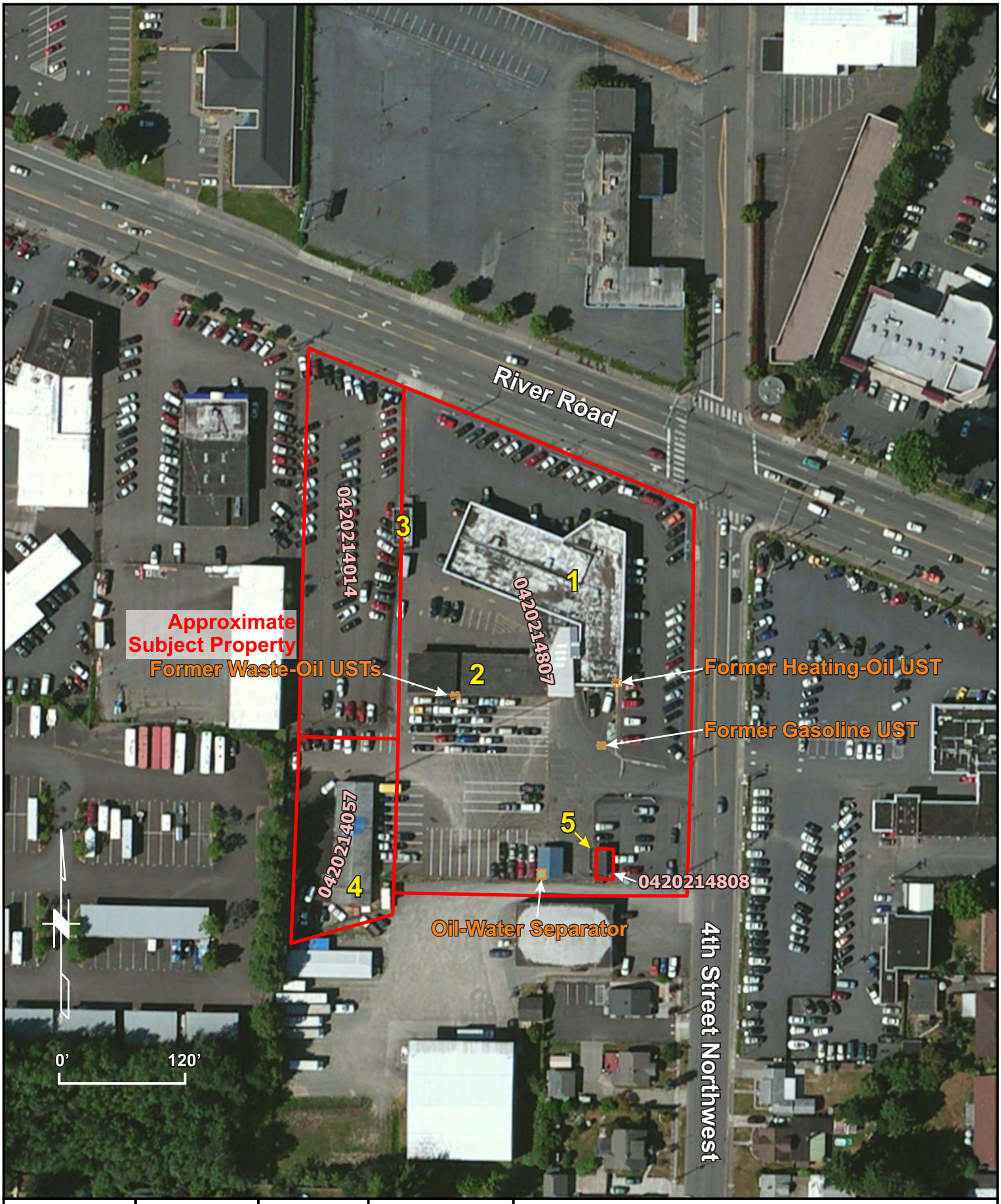
Questions regarding the contents of this report should be addressed to the project manager. The professional qualifications of the preparers of the report are listed in Appendix E to this document. If you have questions regarding this report or require further discussion of any portion of this project, please contact Robinson Noble.

> *The statements, conclusions, and recommendations provided in this report are to be exclusively used within the context of this document. They are based upon generally accepted environmental and hydrogeologic practices and are the result of analysis by Robinson Noble, Inc. staff. This report, and any attachments to it, is for the exclusive use of HILT Investment Holdings, LLC, Northwest Motorsport, and Columbia Bank. Unless specifically stated in the document, no warranty, expressed or implied, is made.*

APPENDIX A



ROBINSON NOBLE	Note: Basemap taken from USGS Puyallup Quadrangle	PM: JFH September 2016 2943-005A	Pierce County T 20 N/R 04 E - 21 Scale 1" = 1000'	Figure 1 Vicinity Map Northwest Motorsport: 400 River Road Phase I ESA



ROBINSON NOBLE	Note: Image from ESRI ArcGIS	PM: JFH September 2016 2943-005A	Pierce County T 20 N/R 04 E - 21 Scale 1" = 120'	Figure 2 **Aerial Map of Site** Northwest Motorsport: 400 River Road Phase I ESA

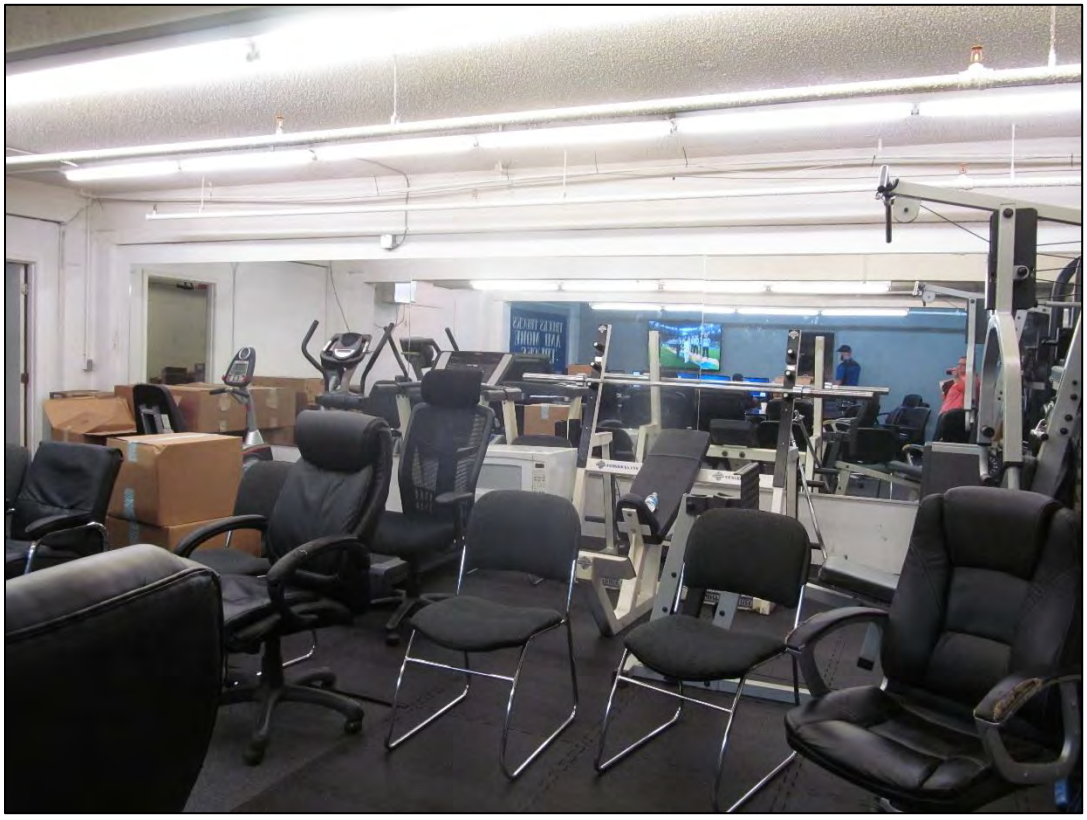
Building 1 on the subject property, view facing east

Interior of sales area of building 1

Service center office in building 1

Parts department area in building 1

Parts department in building 1



Break room area in building 1

Parts storage in building 1

Tire and parts storage building 1

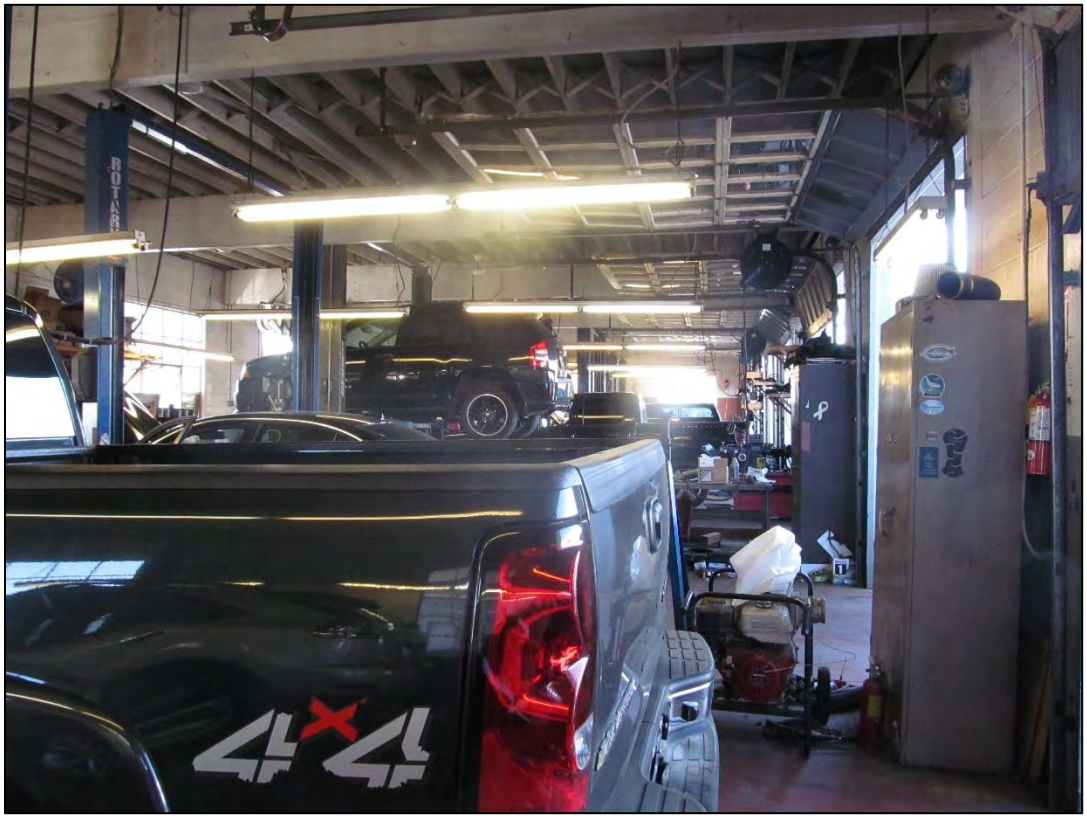
Service entrance of building 1, view facing north

Service bays in building 1

Oil storage containers in service bays in building 1

Service bays for building 2

Oil storage containers in service bays in building 2



Service bays in building 2

Containerized wastes in building 2

Awning between building 1 and building 2, view facing south toward car wash area

Wholesale office and balloon shed (building 3), view facing southwest

Interior of wholesale office (building 3)

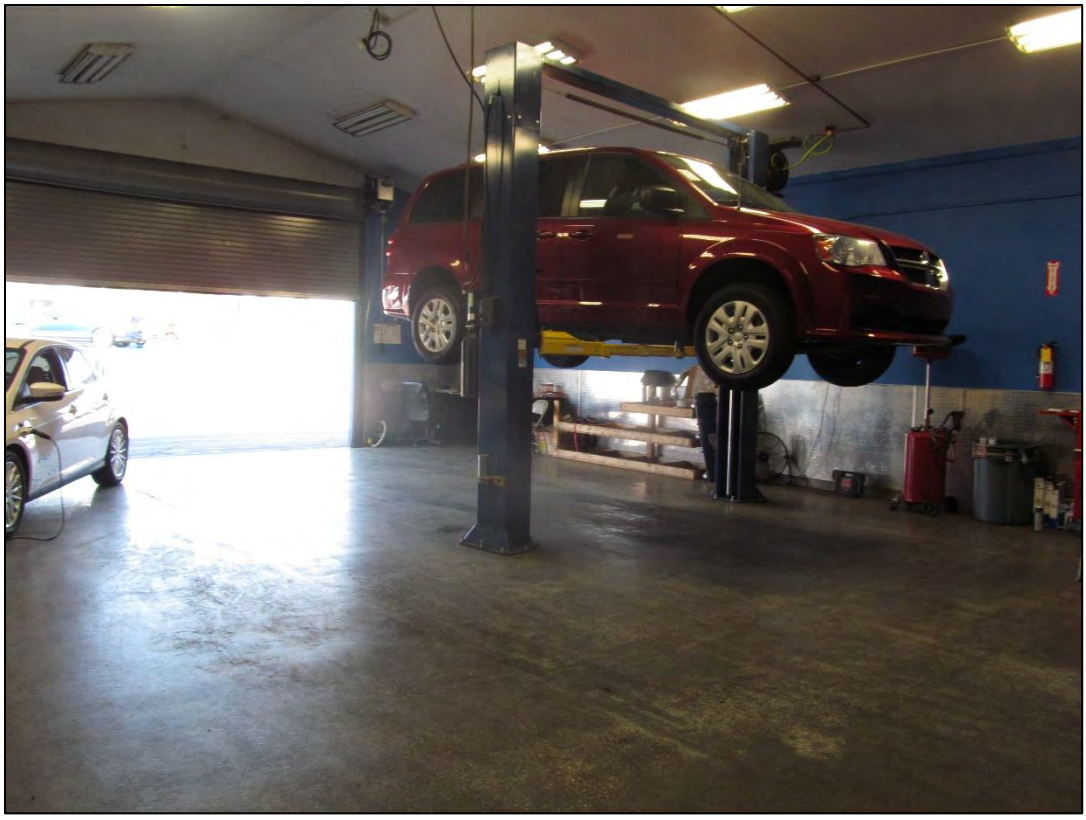
Helium tanks in balloon shed (building 3)

Paint and service shop in building 4

Interior of southern bay of building 4

Above-ground storage tanks of waste oil in building 4

Interior of building 4 paint service area



Interior of building 4

Canopy near building 4, view facing southwest

Interior of shipping container near building 4

Laundry and storage building (building 5), view facing north

Interior of building 5

Interior of building 5

Vehicle fluid containers in building 5

Interior of building 5

Car wash area, view facing northeast

Above-ground oil-water separator

APPENDIX C

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214014

08/19/2016 02:17 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214014	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	506 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	577,200
Business Name:		**Assessed Value:**	577,200
Last Inspection:	05/20/2015 - Physical Inspection		

Related Parcels

Group Account Number:	434
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : COM AT A STONE MON AT INTER OF 7TH AVE NW & 4TH ST NW TH N 1040.33 FT TO CENT OF HWY TH N 20 DEG 21 MIN W 332 FT TH S 53.33 FT TO IRON PIPE & POB TH S 325 FT TH W 93.76 FT TH N 359.78 FT TH S 69 DEG 39 MIN E 100 FT TO POB

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
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Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214014

08/19/2016 02:18 PM

Property Details

Parcel Number:	0420214014
Site Address:	506 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	577,200	577,200	572,600	4,600	0	0	06/23/2016
2015	2016	577,400	577,400	572,600	4,800	0	0	07/06/2015
2014	2015	485,200	485,200	467,400	17,800	0	0	06/27/2014
2013	2014	485,200	485,200	467,400	17,800	0	0	06/24/2013
2012	2013	485,200	485,200	467,400	17,800	0	0	06/22/2012
2011	2012	534,900	534,900	518,000	16,900	0	0	06/27/2011
2010	2011	562,400	562,400	543,200	19,200	0	0	06/21/2010
2009	2010	622,200	622,200	600,100	22,100	0	0	07/17/2009
2008	2009	652,300	652,300	631,700	20,600	0	0	06/13/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	8,053.19
	Weed Control Principal	1.70
	Pierce Conservation District Principal	4.73
	Total 2016	**8,059.62**
2015	Property Tax Principal	6,916.00
	Weed Control Principal	1.70
	Pierce Conservation District Principal	4.73
	Total 2015	**6,922.43**
2014	Property Tax Principal	6,794.26
	Weed Control Principal	1.64
	Pierce Conservation District Principal	4.74
	Total 2014	**6,800.64**
2013	Property Tax Principal	6,970.15
	Weed Control Principal	1.64
	Pierce Conservation District Principal	4.72
	Total 2013	**6,976.51**
2012	Property Tax Principal	6,833.49
	Weed Control Principal	1.64
	Pierce Conservation District Principal	5.00
	Total 2012	**6,840.13**
2011	Property Tax Principal	6,944.38
	Weed Control Principal	1.64
	Pierce Conservation District Principal	5.00
	Total 2011	**6,951.02**
2010	Property Tax Principal	7,003.22
	Weed Control Principal	1.39
	Pierce Conservation District Principal	5.00
	Total 2010	**7,009.61**
2009	Property Tax Principal	6,636.46
	Weed Control Principal	1.39

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965114	8,059.62
04/27/2016	8895988	0.00
10/27/2015	8479402	3,461.22
04/17/2015	8179562	3,461.21
10/23/2014	7874020	3,400.32
04/21/2014	7567910	3,400.32
10/17/2013	7260539	3,488.26
04/30/2013	7120625	3,488.25
10/19/2012	6674330	3,420.07
04/24/2012	6435121	3,420.06
01/11/2012	6281151	3,475.51
04/25/2011	5805219	3,475.51
10/29/2010	5593608	3,504.81
04/22/2010	5178577	3,504.80
10/29/2009	4996948	3,321.43
04/30/2009	4766159	3,321.42
11/03/2008	4476295	2,616.55
05/05/2008	4214813	2,616.54
10/19/2007	3710785	2,168.42

Pierce Conservation District Principal	5.00
Total 2009	**6,642.85**

05/04/2007	3609339	2,168.41
10/27/2006	3246067	1,173.63
04/24/2006	2905958	1,173.62
10/21/2005	2633444	1,299.36
04/22/2005	2388771	1,299.36
11/01/2004	2142358	1,169.99
05/05/2004	1898548	1,169.98

ULID Information

Click here for ULID information

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Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214014

08/19/2016 02:19 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214014	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	506 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Location:		Size	
LEA:	2052	**SF:**	30,197
RTSQQ:	04-20-21-43	**Acres:**	0.69
		Front Ft:	392

Amenities		Utilities	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214014

08/19/2016 02:19 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214014	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	506 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: **1 building(s) on this parcel**

1

General Characteristics

Property Type:	Commercial	**SF:**	1	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	1	**Total Bsmnt. SF:**	0
Quality:	Average	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	Addon Only Comm	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Addon Only Comm	1990	0	1	1	n/a	n/a	n/a	n/a	n/a	None	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	11,000

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214014

08/19/2016 02:19 PM

Property Details	
Parcel Number:	0420214014
Site Address:	506 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details	
Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
Mike Lonergan
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www.piercecountywa.org/atr

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214807

08/19/2016 02:21 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	3,005,600
Business Name:		**Assessed Value:**	3,005,600
Last Inspection:	05/16/2015 - Physical Inspection		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 2000203421 2818070636

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLO ED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD SEG F 0740

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
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Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214807

08/19/2016 02:21 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	3,005,600	3,005,600	2,290,500	715,100	0	0	06/23/2016
2015	2016	3,052,000	3,052,000	2,290,500	761,500	0	0	07/06/2015
2014	2015	2,529,200	2,529,200	1,869,700	659,500	0	0	06/27/2014
2013	2014	2,529,200	2,529,200	1,869,700	659,500	0	0	06/24/2013
2012	2013	2,521,000	2,521,000	1,869,700	651,300	0	0	06/22/2012
2011	2012	2,705,500	2,705,500	2,071,900	633,600	0	0	06/27/2011
2010	2011	2,930,900	2,930,900	2,173,000	757,900	0	0	06/21/2010
2009	2010	3,249,700	3,249,700	2,400,400	849,300	0	0	07/17/2009
2008	2009	3,353,800	3,353,800	2,526,700	827,100	0	0	09/19/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	42,567.26
	Weed Control Principal	2.12
	Fire Benefit Charge Principal	2,612.44
	Pierce Conservation District Principal	4.73
	Total 2016	**45,186.55**
2015	Property Tax Principal	36,051.02
	Weed Control Principal	2.12
	Fire Benefit Charge Principal	2,734.54
	Pierce Conservation District Principal	4.73
	Total 2015	**38,792.41**
2014	Property Tax Principal	35,416.41
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,613.18
	Pierce Conservation District Principal	4.74
	Total 2014	**38,036.25**
2013	Property Tax Principal	36,215.46
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,534.30
	Pierce Conservation District Principal	4.72
	Total 2013	**38,756.40**
2012	Property Tax Principal	34,563.47
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,098.00
	Pierce Conservation District Principal	5.00
	Total 2012	**36,668.39**
2011	Property Tax Principal	36,190.06
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2011	**38,230.94**

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965115	45,186.55
04/27/2016	8896169	0.00
10/27/2015	8479333	19,396.21
04/17/2015	8179564	19,396.20
10/23/2014	7874022	19,018.13
04/21/2014	7567912	19,018.12
10/17/2013	7260541	19,378.20
04/30/2013	7120627	19,378.20
10/19/2012	6674328	18,334.20
04/24/2012	6435119	18,334.19
01/11/2012	6281150	19,115.47
04/25/2011	5805192	19,115.47
10/29/2010	5593607	19,308.93
04/22/2010	5178555	19,308.92
10/29/2009	4996925	17,063.97
04/30/2009	4766156	17,063.96
11/03/2008	4476294	13,565.16
05/05/2008	4214816	13,565.15
10/19/2007	3710788	11,864.07

2010	Property Tax Principal	36,577.28
	Weed Control Principal	1.61
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2010	**38,617.85**
2009	Property Tax Principal	34,121.32
	Weed Control Principal	1.61
	Pierce Conservation District Principal	5.00
	Total 2009	**34,127.93**

05/04/2007	3609277	11,864.07
10/27/2006	3245918	8,573.24
04/24/2006	2905940	8,573.23
10/21/2005	2633459	8,284.90
04/22/2005	2389069	8,284.90
11/01/2004	2142200	7,655.49
05/05/2004	1898547	7,655.49

ULID Information

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Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214807

08/19/2016 02:21 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Location:		Size	
LEA:	2052	**SF:**	120,788
RTSQQ:	04-20-21-43	**Acres:**	2.77
		Front Ft:	392

Amenities		Utilities	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214807

08/19/2016 02:22 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: **2 building(s) on this parcel**

1 2

General Characteristics

Property Type:	Commercial	**SF:**	12,882	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	21,681	**Total Bsmnt. SF:**	0
Quality:	Fair	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Showroom	1953	1986	5,800	1	n/a	n/a	n/a	Masonry	n/a	Package Unit	0	0
Office Building	1953	1986	3,962	1	n/a	n/a	n/a	Masonry	n/a	Package Unit	0	0
Service Garage	1953	1978	3,120	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	91,700
Add On	Canopies WD FR (Gd)	1,900
Basement	Storage	6,262

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Recent Sales Activity for 0420214807

08/19/2016 02:22 PM

Property Details	
Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details	
Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
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Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214808

08/19/2016 02:23 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	19,100
Business Name:		**Assessed Value:**	19,100
Last Inspection:	05/20/2015 - Physical Inspection		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 1200127008

Real parcel on which this parcel is located: n/a

Tax Description

Section 28 Township 20 Range 04 Quarter 11 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLOSED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD BLDG ONLY SEG F 0740

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Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214808

08/19/2016 02:23 PM

Property Details

Parcel Number:	0420214808
Site Address:	400 RIVER RD
Account Type:	Structures
Category:	Leased Land and/or Structure
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	19,100	19,100	0	19,100	0	0	06/23/2016
2015	2016	20,700	20,700	0	20,700	0	0	07/06/2015
2014	2015	7,700	7,700	0	7,700	0	0	06/27/2014
2013	2014	7,700	7,700	0	7,700	0	0	06/24/2013
2012	2013	7,900	7,900	0	7,900	0	0	06/22/2012
2011	2012	7,900	7,900	0	7,900	0	0	06/27/2011
2010	2011	8,400	8,400	0	8,400	0	0	06/21/2010
2009	2010	9,400	9,400	0	9,400	0	0	07/17/2009
2008	2009	9,500	9,500	0	9,500	0	0	06/13/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	288.71
	Fire Benefit Charge Principal	120.92
	Total 2016	**409.63**
2015	Property Tax Principal	109.75
	Fire Benefit Charge Principal	211.92
	Total 2015	**321.67**
2014	Property Tax Principal	107.82
	Fire Benefit Charge Principal	202.52
	Pierce Conservation District Principal	4.99
	Total 2014	**315.33**
2013	Property Tax Principal	113.49
	Fire Benefit Charge Principal	196.40
	Total 2013	**309.89**
2012	Property Tax Principal	100.92
	Fire Benefit Charge Principal	188.96
	Total 2012	**289.88**
2011	Property Tax Principal	103.72
	Property Tax Interest	1.03
	Property Tax Penalty	4.15
	Fire Benefit Charge Principal	183.18
	Fire Benefit Charge Interest	1.83
	Fire Benefit Charge Penalty	7.33
	Distraint Costs	5.00
	Total 2011	**306.24**
2010	Property Tax Principal	105.80
	Fire Benefit Charge Principal	183.18
	Total 2010	**288.98**
2009	Property Tax Principal	96.65
	Total 2009	**96.65**

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965115	409.63
04/27/2016	8896211	0.00
04/17/2015	8179565	321.67
10/23/2014	7874023	157.67
04/21/2014	7567913	157.66
10/17/2013	7260542	154.95
04/30/2013	7120628	154.94
10/19/2012	6674327	144.94
04/24/2012	6435118	144.94
12/14/2011	6277754	162.79
04/25/2011	5805191	143.45
10/29/2010	5593610	144.49
04/22/2010	5178576	144.49
10/29/2009	4996923	48.33
04/30/2009	4766157	48.32
11/03/2008	4476292	56.46
05/05/2008	4214815	56.46
10/19/2007	3710787	79.51
05/04/2007	3609342	79.51

10/27/2006	3245920	125.64
04/24/2006	2905970	125.64
10/21/2005	2633402	100.21
04/22/2005	2389068	100.20
11/01/2004	2142531	96.54
05/05/2004	1898551	96.53

ULID Information

Click here for ULID information

Pierce County Assessor-Treasurer
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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214808

08/19/2016 02:24 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: 1

1 building(s) on this parcel

General Characteristics

Property Type:	Commercial	**SF:**	216	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	216	**Total Bsmnt. SF:**	0
Quality:	Low	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Office Building	1965	1978	216	1	n/a	n/a	n/a	Wood Frame	n/a	Electric	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	WD 100 Sq Ft	105
Basement	Storage	1,632

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214808

08/19/2016 02:24 PM

Property Details	
Parcel Number:	0420214808
Site Address:	400 RIVER RD
Account Type:	Structures
Category:	Leased Land and/or Structure
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details	
Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
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Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214057

08/19/2016 02:27 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214057	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	XXX 4TH ST NW	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Assessment Details	
Value Area:	PI2	**2016 Values for 2017 Tax**	
Appr Acct Type:	Commercial	**Taxable Value:**	378,200
Business Name:		**Assessed Value:**	378,200
Last Inspection:	05/18/2015 - Physical Inspection		

Related Parcels

Group Account Number:	434
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 28 Township 20 Range 04 Quarter 12 : TR OF LD IN SEC 21 & 28 DESC AS FOLL BEG AT SW COR OF PROP CYD TO BRUCE A MERCER POST #67 OF AMERICAN LEGION #1855113 TH E ALG S LI OF SD AMERICAN LEGION PROP 93.76 FT M/L TO PROP CYD TO LLOYD L GRAND #1653368 TH S ALG W LI OF SD GRANT PROP 172.57 FT M/L TO SW COR THEREOF TH S 72 DEG 27 MIN 20 SEC W TO INTER W LI OF ABOVE MENTIONED AMERICAN LEGION PROP EXTENDED S TH N ALG W LI OF SD AMERICAN LEGION PROP EXTENDED TO POB SUBJ TO EASE #1926238 OUT OF 4-106 SEG M-1294 GD JES

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Taxes / Values for 0420214057

08/19/2016 02:27 PM

Property Details

Parcel Number:	0420214057
Site Address:	XXX 4TH ST NW
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Value Year	Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2016	2017	378,200	378,200	338,300	39,900	0	0	06/23/2016
2015	2016	379,200	379,200	338,300	40,900	0	0	07/06/2015
2014	2015	301,800	301,800	276,200	25,600	0	0	06/27/2014
2013	2014	301,800	301,800	276,200	25,600	0	0	06/24/2013
2012	2013	300,900	300,900	276,200	24,700	0	0	06/22/2012
2011	2012	329,600	329,600	306,000	23,600	0	0	06/27/2011
2010	2011	346,400	346,400	321,000	25,400	0	0	06/21/2010
2009	2010	382,800	382,800	354,600	28,200	0	0	07/17/2009
2008	2009	400,000	400,000	373,200	26,800	0	0	06/13/2008

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 08/19/2016**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Point & Pay** at **1-877-765-4112**

Tax Year	Charge Type	Amount Paid
2016	Property Tax Principal	5,288.84
	Weed Control Principal	1.70
	Fire Benefit Charge Principal	873.46
	Pierce Conservation District Principal	4.73
	Total 2016	**6,168.73**
2015	Property Tax Principal	4,301.83
	Weed Control Principal	1.70
	Fire Benefit Charge Principal	638.00
	Pierce Conservation District Principal	4.73
	Total 2015	**4,946.26**
2014	Property Tax Principal	4,226.11
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	609.68
	Pierce Conservation District Principal	4.74
	Total 2014	**4,842.17**
2013	Property Tax Principal	4,322.58
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	591.28
	Pierce Conservation District Principal	4.72
	Total 2013	**4,920.22**
2012	Property Tax Principal	4,210.72
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	568.84
	Pierce Conservation District Principal	5.00
	Total 2012	**4,786.20**
2011	Property Tax Principal	4,277.27
	Weed Control Principal	1.64
	Fire Benefit Charge Principal	551.48
	Pierce Conservation District Principal	5.00
	Total 2011	**4,835.39**

Tax Code Areas

Tax Year	TCA	Rate
2017	096	0.000000
2016	096	13.947331
2015	096	14.253921
2014	096	14.003008
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927

Receipts

Date	Number	Amount Applied
05/12/2016	8965111	6,168.73
04/27/2016	8896424	0.00
10/27/2015	8479384	2,473.13
04/17/2015	8179563	2,473.13
10/23/2014	7874021	2,421.09
04/21/2014	7567911	2,421.08
10/17/2013	7260540	2,460.11
04/30/2013	7120626	2,460.11
10/19/2012	6674329	2,393.10
04/24/2012	6435120	2,393.10
01/11/2012	6281152	2,417.70
04/25/2011	5805190	2,417.69
10/29/2010	5593609	2,433.26
04/22/2010	5178578	2,433.25
10/29/2009	4996924	2,037.98
04/30/2009	4766158	2,037.98
11/03/2008	4476939	1,567.87
05/05/2008	4214822	1,567.86
10/19/2007	3710786	1,328.83

2010	Property Tax Principal	4,308.64
	Weed Control Principal	1.39
	Fire Benefit Charge Principal	551.48
	Pierce Conservation District Principal	5.00
	Total 2010	**4,866.51**
2009	Property Tax Principal	4,069.57
	Weed Control Principal	1.39
	Pierce Conservation District Principal	5.00
	Total 2009	**4,075.96**

05/04/2007	3609336	1,328.82
10/27/2006	3245919	662.62
04/24/2006	2905957	662.61
10/21/2005	2633460	706.07
04/22/2005	2388770	706.06
11/01/2004	2142530	633.82
05/05/2004	1898550	633.81

ULID Information

Click here for ULID information

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214057

08/19/2016 02:27 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214057	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	XXX 4TH ST NW	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		
Location:		**Size**	
LEA:	2052	**SF:**	17,841
RTSQQ:	04-20-28-12	**Acres:**	0.41
		Front Ft:	0
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214057

08/19/2016 02:28 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214057	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	XXX 4TH ST NW	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: 1

1 building(s) on this parcel

General Characteristics

Property Type:	Commercial	**SF:**	3,680	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	3,680	**Total Bsmnt. SF:**	0
Quality:	Low	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	Auto Related	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Service Garage	1966	1978	3,680	1	n/a	n/a	n/a	Wood Frame	n/a	Space Heater	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	11,000
Add On	Concrete (Reinforced) (1,000 - 3000 Sq Ft)	700

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214057

08/19/2016 02:28 PM

Property Details	
Parcel Number:	0420214057
Site Address:	XXX 4TH ST NW
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details	
Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

April 25, 2011

Mr. Don Fleming
NW Motorsport
400 River Road
Puyallup, Washington 98371

Re: Focused Phase II Subsurface Investigation
NW Motorsport Property
400 River Road
Puyallup, Washington
RGI Project #T2011-022

Dear Mr. Fleming:

This letter report summarizes The Riley Group, Inc.'s (RGI's) Focused Phase II Subsurface Investigation (Phase II) findings for the NW Motorsport property located at 400 River Road in Puyallup, Washington (Figure 1).

The Focused Phase II investigation was performed at the request of Mr. Don Fleming and authorized by Ms. Nikki Bley, of NW Motorsport (Client). The scope of work for this project was performed in accordance with our *Focused Phase II Subsurface Investigation Proposal* dated March 30, 2011.

SCOPE OF SERVICES

The scope of services performed for this project included the following tasks:

- Performed public and private utility locating in an attempt to locate privately owned metallic utilities (such as water, electric, etc) and clear the proposed boring location.
- Advanced one direct-push test probe at the Site to a total maximum depth of 12 feet below ground surface (bgs).
- Collected soil samples from the test probe location for laboratory analysis of potential contaminants of concern.
- Groundwater was encountered in and collected from the test probe advanced at the Site.
- Compared analytical results to the routine Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Use and MTCA Method A Cleanup Levels for Groundwater (WAC 173-340).
- Prepared this letter report presenting our findings, observations and conclusions.

PROJECT BACKGROUND

A Phase I Environmental Site Assessment (ESA) was recently completed for the Site by Adapt Engineering, Inc. (Adapt). According to its Phase I ESA, previous investigations had been performed at the Site. The reader is referred to Adapt's report for the complete details of the previous onsite investigations. Based on its Phase I ESA findings, the feed line to the onsite oil/water separator was thought to have been disconnected and, therefore, represented a possible risk to soil and/or groundwater quality of the Site. Although it was later determined that the aboveground oil/water separator was still connected, a limited Phase II Subsurface Investigation was recommended by Adapt in the vicinity of the unit.

On April 6, 2011, the Client authorized RGI to perform this Focused Phase II Subsurface Investigation.

REGULATORY ANALYSIS OF SITE CONDITIONS UNDER MODEL TOXICS CONTROL ACT (MTCA)

Washington's hazardous release cleanup law, the Model Toxics Control Act (RCW 70.105D) mandates that site cleanups protect human health and the environment. The MTCA Cleanup Regulation (WAC173-340) defines the approach for establishing cleanup requirements for individual sites, including the establishment of cleanup standards and selection of cleanup actions.

The MTCA regulation provides three options for establishing generic and site-specific cleanup levels for soil and groundwater. Method A cleanup levels have been adopted for specific purposes and are intended to provide conservative cleanup levels for sites undergoing routine site characterization or cleanup actions or those sites with relatively few hazardous substances. Method B and C cleanup levels are set using a site risk assessment, which focus on the use of "reasonable maximum exposure" assumptions based on site-specific characteristics and toxicity of the contaminants of concern.

For purposes of comparison, analytical laboratory data for this project are compared to the MTCA Method A Soil Cleanup Levels for Unrestricted Land Use (considered protective of drinking water) and the MTCA Method A Cleanup Levels for Groundwater.

FOCUSED PHASE II SUBSURFACE INVESTIGATION

On April 11, 2011, RGI advanced test probe SP1 to a total depth of 12 feet bgs (Figure 2). The test probe was located immediately adjacent to and inferred downgradient of the onsite, aboveground oil/water separator.

The test probe was advanced using a truck-mounted direct push probe rig owned and operated by Pacific Northwest Probe and Drilling, Inc. under subcontract to RGI. All probing and sampling equipment were cleaned prior to commencing probing and in between sampling locations. All field sampling and decontamination procedures were performed in accordance with RGI's standard sampling and decontamination protocols.

All soil cuttings and purge and decontamination water were contained on the Site in a 30-gallon drum. Disposal of the drum is not included in the scope of work.

Soil Sampling

During drilling activities, soil samples were collected, inspected, and classified by RGI's field personnel. Soil conditions encountered were described using the Unified Soil Classification System (USCS). Soils beneath the Site generally consisted of poorly graded, silty, fine to medium sand to the maximum depth explored (12 feet bgs). Gravel was also noted at approximately 12 feet bgs. The loose sands resulted in no recovery from four to eight feet bgs and limited recovery from 10 to 12 feet bgs.

A total of two discrete soil samples were collected during this project; at the three- to four-foot and 10- to 12-foot depth intervals. Due to a photoionization detector (PID) malfunction, soil samples were not screened in the field for the presence of volatile organic compounds (VOCs). Since the indicator contaminant of concern is oil, a standard water sheen test was considered sufficient. No suspect sheen, visual staining, or suspect odors were noted in the collected soil samples.

Based on our field observations, the shallowest soil sample (collected from three to four feet bgs) was submitted for laboratory analyses of potential contaminants of concern, listed below. Samples collected for analysis of volatile compounds were collected using the Ecology-mandated 5035 sample collection method.

Groundwater Sampling

Shallow groundwater was encountered in the test probe at approximately 10 to 11 feet bgs. Groundwater was purged until visually clear. No suspect sheen was noted in the purge water. A groundwater grab sample was collected from the test probe following purging and submitted for laboratory analysis of select contaminants of concern listed below.

Analytical Laboratory Analysis

Soil and groundwater grab samples collected during this project were submitted to Libby Environmental, Inc. of Olympia, Washington, for one or more of the following laboratory analyses:

- Gasoline-range total petroleum hydrocarbons (TPH) using Ecology Method NWTPH-G.
- Diesel- and oil-range TPH using Ecology Method NWTPH-Dx.
- Benzene, toluene, ethylbenzene and total xylenes (BTEX) via EPA Method 8260c.
- Volatile organic compounds (VOCs) via EPA Method 8260c.

Laboratory Analytical Results

Analytical results and field screening data, summarized in the attached Figure 2, are discussed below. Copies of the analytical laboratory report and associated sample chain-of-custody forms are included in Appendix A.

No gasoline-, diesel- or oil-range TPHs or VOCs (BTEX and/or chlorinated solvents) were detected in the soil or groundwater samples submitted from the Site.

CONCLUSIONS AND RECOMMENDATIONS

Based on our subsurface investigation findings, soil and groundwater intercepted in the test probe advanced at the Site are in full compliance with MTCA. No additional investigation is recommended at this time.

LIMITATIONS

This report is the property of The Riley Group, Inc., NW Motorsport, US Bank, and their authorized representatives or affiliates and was prepared in a manner consistent with the level of skill and care ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions. This report is intended for specific application to the NW Motorsport property located at 400 River Road, Puyallup, Washington. No other warranty, expressed or implied, is made.

The analyses and recommendations presented in this report are based upon data obtained from our review of available information at the time of preparing this report, our test pits excavated or test borings drilled on-site, or other noted data sources. Conditional changes may occur through time by natural or man-made process on this or adjacent properties. Additional changes may occur in legislative standards, which may or may not be applicable to this report. These changes, beyond RGI's control, may render this report invalid, partially or wholly. If variations appear evident, The Riley Group, Inc. should be requested to reevaluate the recommendations in this report.

We trust that this letter report meets your current project needs and appreciate the opportunity to be of service. Please contact us at (253) 565-0552, or by email at lsmith@riley-group.com, if you have any questions or need additional information.

Sincerely,

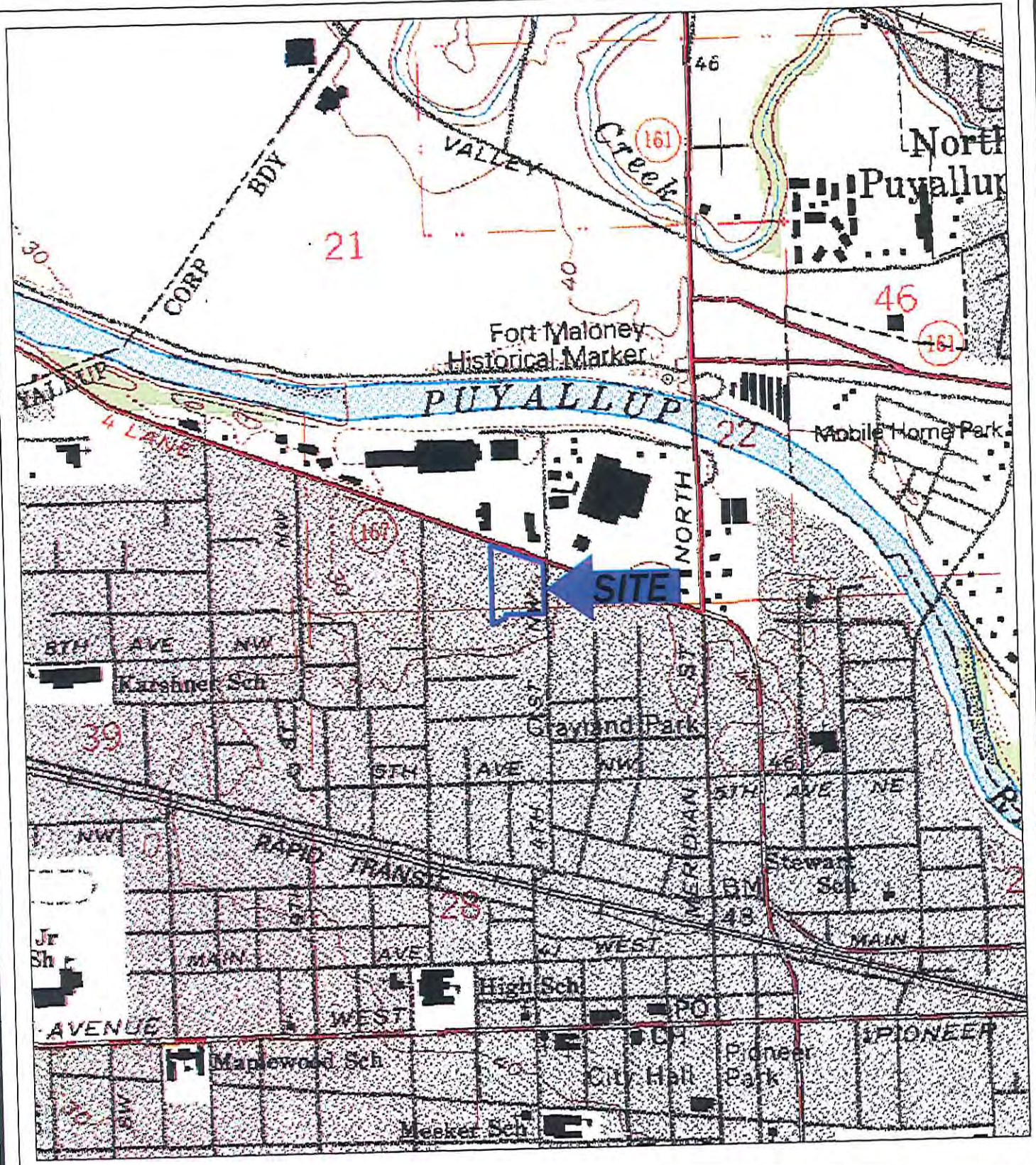
THE RILEY GROUP, INC.

Lannie Smith, CHMM
Senior Project Manager

Elizabeth Uchison, L.G., L.H.G.
Senior Hydrogeologist

Attachments *Figure 1 – Site Vicinity Map*
Figure 2 – Site Plan
Appendix A – Analytical Laboratory Report & Chain of Custody

Report Distribution *Mr. Don Fleming, NW Motorsport (two bound copies and electronic PDF)*
Mr. Albert Kim, US Bank (electronic PDF)



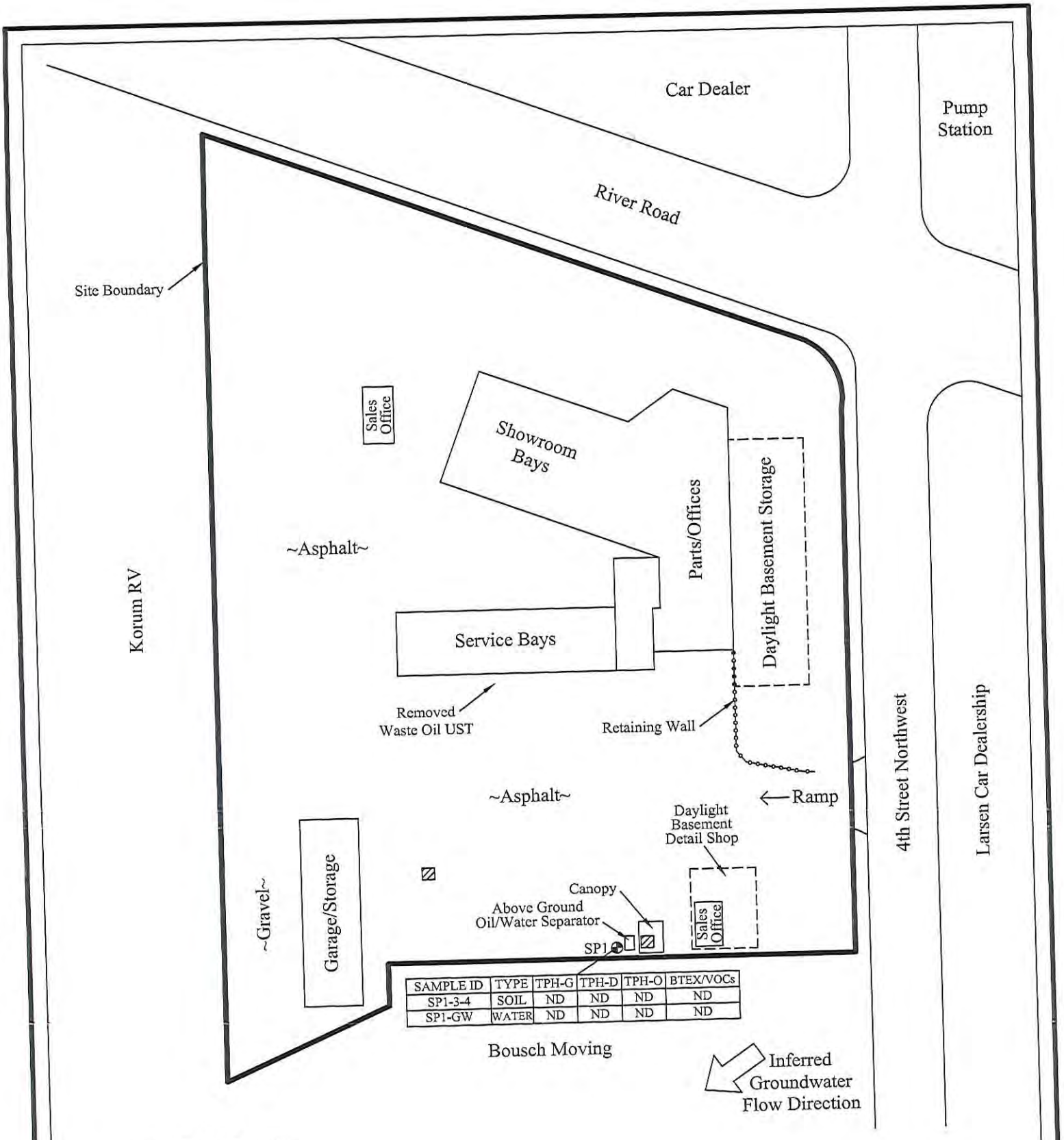
USGS, 1994, Puyallup, Washington
7.5-Minute Quadrangle

Approximate Scale: 1"=1000'

0 500 1000 2000

N

The Riley Group, Inc. 711 St. Helens Avenue, Suite 204 Tacoma, Washington 98402 Phone: 253.565.0552 ♦ Fax: 253.460.2981	NW Motorsport Property	Figure 1
	RGI Project Number T2011-022	Site Vicinity Map	Date Drawn: 04/2011
	Address: 400 River Road, Puyallup, Washington 98371		



SAMPLE ID	TYPE	TPH-G	TPH-D	TPH-O	BTEX/VOCs
SP1-3-4	SOIL	ND	ND	ND	ND
SP1-GW	WATER	ND	ND	ND	ND

◓ = Test Probe Location

▨ = Surface Drain

Note: Based on figure by Adapt Engineering, Inc.

Approximate Scale: 1"=80'

0 40 80 160

N

The Riley Group, Inc.
711 St. Helens Avenue, Suite 204
Tacoma, Washington 98402
Phone: 253.565.0552 ♦ Fax: 253.460.2981

NW Motorsport Property		Figure 2
RGI Project Number T2011-022	Site Plan	Date Drawn: 04/2011
Address: 400 River Road, Puyallup, Washington 98371		

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (ug/l)	Mineral Oil (ug/l)	Oil (ug/l)
Method Blank	4/12/11	101	nd	nd	nd
SP1-G	4/12/11	80	nd	nd	nd
Practical Quantitation Limit			200	400	400

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	4/12/11	100	nd	nd	nd
SP1-3-4	4/12/11	101	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

Analyses of Gasoline (NWTPH-Gx) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (ug/l)
Method Blank	4/14/11	98	nd
SP1-G	4/14/11	98	nd
Practical Quantitation Limit			100

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		Method Blank	SP1-GW
Date Sampled	Reporting	N/A	4/12/11
Date Analyzed	Limits (ug/l)	4/14/11 (ug/l)	4/14/11 (ug/l)
Bromoform	1.0	nd	nd
Isopropylbenzene	4.0	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd
Bromobenzene	1.0	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd
n-Propylbenzene	1.0	nd	nd
2-Chlorotoluene	1.0	nd	nd
4-Chlorotoluene	1.0	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd
tert-Butylbenzene	1.0	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd
sec-Butylbenzene	1.0	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd
Isopropyltoluene	1.0	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd
n-Butylbenzene	1.0	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd
1,2,4-Trichlorolbenzene	2.0	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd
Naphthalene	5.0	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd
Surrogate Recovery			
Dibromofluoromethane		112	104
1,2-Dichloroethane-d4		95.4	85.9
Toluene-d8		98.1	98.1
4-Bromofluorobenzene		106	104

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

NW MOTORSPORT PROJECT
Puyallup, Washington
The Riley Group, Inc.
Client Project # T2011-022
Libby Project No. L110411-4

QA/QC Data - EPA 8260C Analyses

	Sample Identification: L110413-2						
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	
1,1-Dichloroethene	10	8.7	87	10	9.1	91	4.5
Benzene	10	7.8	78	10	9.1	91	15.4
Toluene	10	9.0	90	10	10.1	101	11.5
Chlorobenzene	10	10.2	102	10	11.8	118	14.5
Trichloroethene (TCE)	10	8.0	80	10	9.1	91	12.9
Surrogate Recovery							
Dibromofluoromethane			109			101	
1,2-Dichloroethane-d4			78.6			87.5	
Toluene-d8			95.8			95.1	
4-Bromofluorobenzene			98.7			108	

	Laboratory Control Sample		
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	11.6	116
Benzene	10	9.0	90
Toluene	10	10.5	105
Chlorobenzene	10	11.4	114
Trichloroethene (TCE)	10	9.0	90
Surrogate Recovery			
Dibromofluoromethane			109
1,2-Dichloroethane-d4			88.3
Toluene-d8			100
4-Bromofluorobenzene			107

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

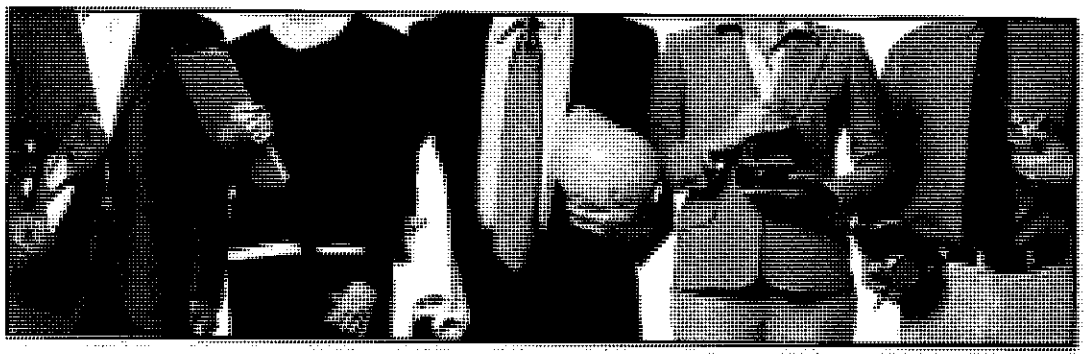
ANALYSES PERFORMED BY: Sherry Chilcutt

PARTNER
Engineering and Science, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

K&A HOLDINGS, LLC
400 River Road
Puyallup, Washington 98371

November 7, 2013
Partner Project No. 13-111058.1
RIMS Project No. 13-011142-01-3



Prepared for

STERLING BANK
111 North Wall Street, 2nd Floor
Spokane, WA 99201

PARTNER
Engineering and Science, Inc.

November 7, 2013

Mr. Michael Pereira, CHMM
Sterling Bank
111 North Wall Street, 2nd Floor
Spokane, WA 99201

Subject: Phase I Environmental Site Assessment
400 River Road
Puyallup, Washington 98371
Partner Project No. 13-111058.1

Dear Mr. Pereira:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to Sterling Bank. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 765-7242.

Sincerely,

Arcie Propster

Arcie Propster
Principal

2154 Torrance Blvd., Suite 200, Torrance, CA 90501 ◊ Phone 800-419-4923 ◊ Fax 866-928-7418

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-05, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Sterling Bank for the property located at 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Sterling Bank with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located at the southwest quadrant of the intersection of River Road (SR167) and 4th Street NW in Puyallup, Pierce County, Washington. Please refer to the table below for further description of the subject property:

Address:	400 River Road
Assessor's Parcel Number (APN):	0420214014, 0420214057, 0420214807 & 0420214808
Nature of Use:	Commercial-Full Service Automotive Dealership
Number of Buildings:	5
Number of Floors:	1
Type of Construction:	CMU Main Building CMU/Wood Frame Salesman's Hut Wood Frame Salesman's Hut CMU Service Garage Wood Frame Detail Shop
Building Square Footage (SF):	12,611 SF Main Building 4,160 SF Service Shop 2,720 SF Detail Shop 721 SF Salesman's Hut 329 SF Salesman's Hut
Land Acreage (Ac):	3.30 Ac Cumulative
Date of Construction:	Main Building-1953 Service Shop-1961 Salesman's Huts-1965 Detail Shop-1966
Current Tenants:	Northwest Motorsports

The subject property is currently occupied by Northwest Motorsports for use as a full service automotive dealership. Onsite operations consist of new automobile sales and full automotive maintenance, customization, repair and detailing activities. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas.

According to available historical sources, the subject property was vacant land from as early as 1939 to circa 1953, when the subject property was first improved with an automotive dealership. The subject property has since been occupied by various automotive dealerships.

The subject property is bound to the north by River Road (SR167), beyond which is an abandoned commercial property (401 River Road- formerly an automotive dealership known as Puyallup Chrysler/Plymouth and R/V); to the south by a commercial property (820 4th Street-Boush Moving & Storage); to the east by 4th Street NW, beyond which is an automotive dealership (Larson Motors-300 River Road); and to the west by a commercial automotive dealership (Milam Truck Country-500 River Road).

According to well logs for the subject property address that were submitted to the Washington Department of Ecology (WADOE) in April of 2011, the depth of groundwater at the subject property is present at approximately 18-feet below ground surface (bgs) and based on topography, is inferred to flow to the north, towards the Puyallup River.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term REC includes hazardous substances and petroleum products even under conditions that might be in compliance with laws. The term is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment and that would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies. The following was identified during the course of this assessment:

- Partner observed evidence of former in-ground hydraulic lifts in the current above ground service bays as evidenced by circular cut-outs and concrete patches indicative of in-ground lift cylinders. The lifts were reportedly installed in the 1950s and removed in 1987. To address subsurface environmental conditions related to the former hydraulic lifts, a Phase II Environmental Site Assessment investigation was performed by Encore Environmental Consortium, LLC (EEC) in 2003. The subsurface investigation included the advancement of eleven borings identified as *the locations of former-in ground hydraulic lifts in the service bays*. However, review of the laboratory analysis from this report indicated that soils collected from the service bays were only analyzed for diesel and gas range petroleum hydrocarbons. The testing did not include analysis of polychlorinated biphenyls (PCBs), which is a target chemical of concern associated with older hydraulic lifts. Therefore, it is Partner's opinion that the 2003 investigation was not sufficient to determine the absence or

presence of PCB contamination in soils from the areas of the former in-ground lifts. Based on the potential for PCB-containing hydraulic fluid within the lifts to have impacted the subsurface and on the lack of any documented sampling conducted after removal of the lifts which targeted PCBs as a contaminant, specifically, the former presence of in-ground lifts onsite is a Recognized Environmental Condition.

- According to previous environmental reports prepared in 2003, the southern-most auto service bay area housed one active in-ground hydraulic lift which contained hydraulic fluid in a reservoir within the lift. The previous consultant recommended that the lift be drained and decommissioned in accordance with applicable regulatory requirements to prevent potential future releases. The reported lift was not observed during Partner's site reconnaissance, and no information pertaining to the status of the lift was found during Partner's assessment. Therefore, it is unclear whether the lift was properly removed and/or subsurface sampling was conducted. Based on this information, the former in-ground lift represents a REC.

A *historical recognized environmental condition (HREC)* refers to an environmental condition which would have been considered a REC in the past, but which is no longer considered a REC based on subsequent assessment or regulatory closure. The following was identified during the course of this assessment:

- The subject property was historically equipped with four underground storage tanks (USTs): one gasoline tank, one heating oil tank and two waste oil tanks. Three of the tanks have been closed and removed, and one has been closed in-place. Based on the documented removal and/or closure of the tanks, the subsequent analytical results and soil remediation, and the regulatory closure, the former USTs and associated onsite contamination are considered a historic recognized environmental condition.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, require discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that ACMs and/or LBP are present. Overall, all suspect ACMs and painted surfaces were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. A few ceiling tiles, however, were noted during the inspection to be broken, chipped, and/or have signs of water damage. Should the ceiling tiles (or their glue dots) be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

- A previous subsurface investigation was performed in the area of the existing oil/water separator in 2011 to evaluate the site for potential subsurface impacts related to auto repair operations. Analytical results of the investigation revealed no constituents of concern were detected in soil or groundwater samples collected near the oil/water separator. Based on the

results, the presence of the oil/water separator is not a concern at this time. However, the oil/water separator continues to be used by the current tenant. The user should be aware that environmental risks associated with use of the oil/water separator in connection with auto repair activities increases over time.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05 of 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). Any exceptions to or deletions from this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- A limited subsurface investigation should be conducted in order to determine the presence or absence of PCB contamination in the areas of the former in-ground lifts.
- Obtain and review records pertaining to removal/decommissioning activities of the active in-ground lift.
- Periodic maintenance of the existing oil/water separator to prevent future releases.

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APPENDICES

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-05 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E-1527-05) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E-1527-05 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E 1527-05. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Sterling Bank engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Sterling Bank. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and

hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-05.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.

- Information relative to deed restrictions, environmental liens, and a title search from the Report User was not provided at the time of the assessment. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.

- Partner submitted Freedom of Information Act (FOIA) requests to the Pierce County Health Department (PCHD) and Washington Department of Environmental Quality (WADOE) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property. As of this writing, these agencies have not responded to Partner's request. Based on information obtained from the WADOE online database and from other historical sources, this limitation is not expected to alter the overall findings of this assessment.

- Partner's view of the ground surface was obstructed by parked cars in several areas throughout the subject property. Based on previous subsurface investigations provided to Partner for review, this limitation is not expected to alter the overall findings of this assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property is located at the southwest quadrant of the intersection of River Road (SR167) and 4th Street NW in Puyallup, Pierce County, Washington. Please refer to the table below for further description of the subject property:

Address:	400 River Road
Assessor's Parcel Number (APN):	0420214014, 0420214057, 0420214807 & 0420214808
Nature of Use:	Commercial-Full Service Automotive Dealership
Number of Buildings:	5
Number of Floors:	1
Type of Construction:	CMU Main Building CMU/Wood Frame Salesman's Hut Wood Frame Salesman's Hut CMU Service Garage Wood Frame Detail Shop
Building Square Footage (SF):	12,611 SF Main Building 4,160 SF Service Shop 2,720 SF Detail Shop 721 SF Salesman's Hut 329 SF Salesman's Hut
Land Acreage (Ac):	3.30 Ac Cumulative
Date of Construction:	Main Building-1953 Service Shop-1961 Salesman's Huts-1965 Detail Shop-1966
Current Tenants:	Northwest Motorsports

In addition to the current structures, the subject property is also improved with asphalt-paved parking areas.

According to the Pierce County Assessor, the subject property is legally described as community parcels 0420214014, 0420214057, 0420214807 & 0420214808 and ownership is currently vested in K&A Holdings, LLC. A complete legal description for each of the four parcels is included in the Pierce County Assessor's property cards, which are included in Appendix B.

Please refer to Figure 1: Site Location Map, Figure 2: Topographic Map, Figure 3: Site Plan and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by Northwest Motorsports for commercial use. Onsite operations consist of new automobile sales and full automotive maintenance, customization, repair and detailing activities

The subject property is designated for commercial development by the City of Puyallup and is considered a legal use in its current configuration.

The subject property was identified as an ALLSITES, RCRA Non-Gen, UST and FINDS site in the regulatory database report of Section 4.2.

2.3 Current Use of Adjoining Properties

The subject property is located within a mixed commercial area of Puyallup, Washington. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately surrounding properties

North:	The subject property is bound to the north by River Road (SR167). Land area to the north of River Road supports an abandoned commercial property (401 River Road) formerly an automotive dealership known as Puyallup Chrysler/Plymouth).
South:	The subject property is bound to the south by a commercial property (820 4th Street-Boush Moving & Storage).
East:	The subject property is bound to the east by 4th Street NW. Land area to the east of the street supports an automotive dealership (Larson Motors-300 River Road).
West:	The subject property is bound to the west by land area that supports a commercial automotive dealership (Milam Truck Country-500 River Road).

Adjacent properties located in each direction from the subject property were identified in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS), *Puyallup, Washington* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 34-feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the north. The subject property is shaded to represent urban land area.

Please refer to Figure 2: Topographic Map.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the north. The nearest surface water in the vicinity of the subject property is the Puyallup River located approximately 850-feet to the north of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Puyallup Department of Public Works and Engineering serves the subject property vicinity. According to a representative of the department, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. According to the department's 2012 Water Quality Report (WQR), the City of Puyallup obtains its drinking water from two natural springs (Maplewood Springs and Salmon Springs), from five deep wells and from the City of Tacoma.

According to well logs for the subject property address that were submitted to the Washington Department of Ecology (WADOE) in April of 2011, the depth of groundwater at the subject property is present at approximately 18-feet below ground surface (bgs).

2.4.3 Geology/Soils

Information concerning the geology of the Subject Property was obtained from the USGS Map of the Physical Divisions of the United States (1946). The Subject Property is located within the Pugent Trough section of the Pacific Border physiographic province, which consists of partially submerged lowlands with diverse character.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Pilchuck fine sand, Puyallup fine sandy loam and Xerorthents fill areas. The Pilchuck series consists of very deep, excessively drained and somewhat excessively drained soils that formed in gravelly and sandy alluvium. Pilchuck soils are on flood plains. The Puyallup series consists of very deep, well drained soils formed in recent alluvium. Puyallup soils are on floodplains and low terraces.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 5301440005B, dated August 15, 1980, the central and west portions of the subject property appear to be located in Zone AO, which is defined by FEMA as an area that is subject to a one percent or greater annual chance of shallow flooding in any given year. Flooding is usually in the form of sheet flow with average depths between one and three feet.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information

Period/Date	Source	Description/Use
1939-1952	Aerial Photographs, City Directories	Undeveloped
1953-Present	Aerial Photographs, City Directories, Building Records, Interviews, Previous Reports, Historic Topographic Maps, Onsite observations	Commercial-Automotive Dealership

Potential environmental concerns were identified in association with the current and historic use of the subject property, as further discussed in Sections 4.0, 5.2, and 6.0.

3.1 Aerial Photograph Review

On October 21, 2013, Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR). The aerial photographs were reviewed for indications of previous uses, as discussed below:

Date: 1941 **Scale:** 1"=750'

The subject property appears to be undeveloped land.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to support pastureland and woodland. 4th Street is depicted to the east of the subject property. Land area to the east of the street appears to support woodland and pastureland. Land area to the south of the subject property appears to support woodland vegetation and a small building that is similar in size and shape to a single-family residence. Land area to the west of the subject property appears to support pastureland.

Date: 1957 **Scale:** 1"=500'

The central portion of the subject property appears to be developed with a building or foundation that is similar in size and orientation to the present day main building. Areas of the subject property to the north and to the south of the building appear to be graded or paved.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to support pastureland and woodland. 4th Street is depicted to the east of the subject property. Land area to the east of the street appears to support woodland and pastureland. Land area to the south of the subject property appears to support woodland vegetation and a small building. Land area to the west of the subject property appears to support pastureland.

Date: 1968 **Scale:** 1"=750'

The central portion of the subject property appears to be developed with two buildings that are similar in size and orientation to the present day main building and service garage.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to be graded for commercial development. 4th Street is depicted to the east of the subject property. Land area to the east of the street appears to support paved parking lots and at least two commercial buildings. Land area to the south of the subject property appears to support at least two commercial buildings. Land area to the west of the subject property appears to support paved parking and a small commercial building.

Date: 1972, 1986 **Scale:** 1"=1,000'

The subject property generally appears to have been developed in a manner that is consistent with the conditions that were observed on the day of the site visit. The scale and clarity 1972 and 1986 aerial photography is of low quality and inhibits detailed analysis of the site structures.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to have been developed in a manner that is consistent with the conditions observed on the day of the site visit. Land areas to the east and to the west of the subject property appear to support commercial developments that are consistent with the conditions observed on the day of the site visit. Land area to the south of the subject property is depicted as developed with commercial buildings and paved parking. The scale and clarity 1972 and 1986 aerial photography is of low quality and inhibits detailed analysis of the off-site structures.

Date: 1990, 1991 **Scale:** 1"=500'

The subject property generally appears to have been developed in a manner that is consistent with the conditions that were observed on the day of the site visit.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to have been developed in a manner that is consistent with the conditions observed on the day of the site visit. Land areas to the east and to the west of the subject property appear to support commercial developments that are consistent with the conditions observed on the day of the site visit. Land area to the south of the subject property is depicted as developed with commercial buildings and paved parking.

Date: 2006, 2009, 2011 **Scale:** 1"=500'

The subject property appears to have been developed in a manner that is consistent with the conditions that were observed on the day of the site visit.

River Road is depicted to the immediate north of the subject property. Land area to the north of the road appears to have been developed in a manner that is consistent with the conditions observed on the day of the site visit. Land areas to the east and to the west of the subject property appear to support commercial developments that are consistent with the conditions observed on the day of the site visit. Land area to the south of the subject property is depicted as developed with commercial buildings and paved parking

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Sanborn Fire Insurance Maps

Sanborn maps were originally created in the late 1800s and early 1900s for assessing fire insurance liability in urbanized areas of the United States. These maps include detailed town and building information.

Partner reviewed Sanborn Fire insurance maps obtained from EDR's collection on November 4, 2013. Sanborn maps dated 1927, 1945 and 1964 were examined. None of the maps that were reviewed provided coverage of the subject property or immediately surrounding properties. The maps depicted development in the form of residential dwellings, beginning approximately 250-feet to the south of the subject property, along the east and west sides of 4th Street NW. No commercial development is depicted in the coverage area.

Copies of reviewed Sanborn Maps are included in Appendix B of this report.

3.3 City Directories

City directories have been produced for most urban and some rural areas since the late 1800s. The directories are generally not comprehensive and may contain gaps in time periods.

Partner reviewed historical city directories obtained from the City of Tacoma Public Library for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 400 River Road (Subject Property)

Year(s)	Occupant Listed
1939	No Listing
1947	No Listing
1953-54	Grant's Auto Sales and Service
1961	Grant's Oldsmobile
1965	Grant's Chevrolet
1970	Grant's Service Chevrolet
1975	Service Chevrolet, Inc.
1980-81	Service Chevrolet, Inc.
1985	Service Chevrolet, Inc.
1990	Ken Parks Chevrolet-Subaru
2003	Carter's Puyallup Chevrolet

According to the city directory review, the subject property was occupied by Grant's Auto Sales and Service in 1954, later becoming Grant's Oldsmobile by approximately 1961 and Grant's Chevrolet by approximately 1969. By approximately 1975, the subject property was occupied by Service Chevrolet, Inc. By approximately 1990, the subject property was occupied by Ken Parks Chevrolet and by 2003 was occupied by Carter's Puyallup Chevrolet. The former Greg Carter's Chevrolet is identified in the regulatory database as a RCRA Non Generator and UST site and is cross referenced in the FINDS and ALLSITES databases as discussed in Section 4.2.

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
1939	North: 401 River Road-No Listing, South: 820 4th Street-Martin B. Baskovitch East: 300 River Road- No Listing, West: 500 River Road-No Listing
1947	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, West: 500 River Road-No Listing
1953-54	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, West: 500 River Road-No Listing (515 Residence)
1961	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, West: 500 River Road-No Listing
1965	North: 401 River Road-No Listing, South: 820 4th Street-No Listing East: 300 River Road- No Listing, 315 River Road-First Union National Bank, West: 500 River Road-No Listing, 506 River Road-USDA
1970	North: 401 River Road-Puyallup Chrysler, South: 820 4th Street-Boush Moving & Storage East: 300 River Road-Larson Motors Inc., West: 500 River Road-No Listing, 506 River Road-USDA
1975	North: 401 River Road- Puyallup Chrysler, South: 820 4th Street- Boush Moving & Storage, East: 300 River Road-Larson Motors Inc., 324 River Road-River Road Gulf Station, 315 River Road-Peugeot Sound National Bank, West: 500 River Road-No Listing, 506 River Road-USDA
1980-81	North: 401 River Road-Moceri Leasing Inc., South: 820 4th Street-Moving & Storage East: 300 River Road-Larson Motors, West: 500 River Road-No Listing
1985	North: 401 River Road-Moceri Leasing Inc., South: 820 4th Street-Bouch Moving & Storage, East: 300 River Road-Larson Motors, West: 500 River Road-No Listing
1990	North: 401 River Road-Moceri Leasing Inc., South: 820 4th Street- Boush Moving & Storage, East: 300 River Road-Larson Motors, West: 500 River Road-Korum RV

According to the city directory review, the adjacent property to the east has been occupied a commercial automotive dealership since at least 1970. Land area to the northeast of the subject property, across the 4th Street and River Road intersection, was occupied by River Road Golf Gasoline Service Station in approximately 1975. The gas station listing was no longer apparent by 1980-81. Based on the inferred direction of groundwater flow (hydrologically cross- to down-gradient) of the subject property, this former gas station is not expected to be a significant environmental concern for the subject property. A commercial moving and storage facility has occupied the south adjacent property since at least 1970.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from the United Stated Geological Survey's online collection on October 31, 2013. Topographic maps were available and reviewed for the years 1961, 1968, 1973. 1981, 1994 and 1997 as discussed below:

Date: 1961

The subject property appears to support a commercial building that is similar in orientation the main building currently located on the subject property.

River Road is depicted to the north of the subject property. Land area to the north of the road is shaded to represent woodland area. Land area to the south of the subject property is shaded to represent urban land use. 4th Street is depicted to the east of the subject property. Land area to the east of the street is shaded to represent woodland area. Land area to the west of the subject property is shaded to represent woodland area.

Date: 1968 and 1973

The subject property appears to support three buildings.

River Road is depicted to the north of the subject property. Land area to the north of the road appears to support one building. Land area to the south of the subject property appears to support one building. 4th Street is depicted to the east of the subject property. Land area to the east of the subject property appears to support two buildings. Land area to the west of the subject property appears to support four buildings.

Date: 1981

The subject property appears to support five buildings.

River Road is depicted to the north of the subject property. Land area to the north of the road appears to support two buildings. Land area to the south of the subject property appears to support three buildings. 4th Street is depicted to the east of the subject property. Land area to the east of the subject property appears to support three buildings. Land area to the west of the subject property appears to support four buildings.

Date: 1994 and 1997

The subject property is shaded to represent urban land use. There are no buildings depicted on the subject property.

River Road is depicted to the north of the subject property. Land area to the north of the road appears to support two buildings. Land area to the south, to the east and to the west of the subject property is shaded to represent urban land use. There are no buildings depicted on these adjoining properties.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or historic hazardous materials usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-05, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

4.1.1 State Department

Partner requested records from the Washington Department of Ecology (WADOE) on October 25, 2013 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of underground storage tanks (USTs).

As of the date of this report, Partner has not received a response from the WADOE for inclusion in this report.

4.1.2 Health Department

Partner requested records from the Pierce County Health Department (PCHD) on October 25, 2013 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of USTs.

As of the date of this report, Partner has not received a response from the PCHD for inclusion in this report.

4.1.3 Fire Department

Partner requested records from the Puyallup Fire Department (PFD), Fire District No. 9 on October 25, 2013 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of USTs.

Partner received a response from Mrs. Amy Jackson of the Central Pierce Fire & Rescue Prevention and Education Division on November 5, 2013. Mrs. Jackson stated that she had no fire incident records or any hazardous material use/storage permits of file for the subject property address.

4.1.4 Air Quality Management District

The State of Washington does not maintain an Air Quality Management District. These records are maintained by the Washington Department of Ecology (WADOE).

WADOE Air Quality records identified the subject property as Facility/Site No. 68989278 and listed the occupants as Friendly Chevrolet of Puyallup, Friendly Chevrolet, Puyallup Chevrolet-Geo-Subaru, Inc. and Greg Carter's Puyallup Chevrolet-Subaru.

No PTOs, NOVs, NTCs or the presence of AULs were on file for the subject property address within the WADOE Air Quality Records. The agencies records cross-referenced the subject property address to the WADOE HAZWASTE program file No. WAD988484598 and to the WADOE UST program file No. 97772. Neither of these case files was fully accessible through the WADOE Air Quality Records Database or local WADOE office. However, available information indicated that the subject property had three closed underground storage tanks (one gasoline tank, one heating oil tank and one waste oil tank).

4.1.5 Regional Water Quality Control Board

The State of Washington does not maintain a Regional Water Quality Control Board. These records are maintained by the Washington Department of Ecology (WADOE). Partner researched the WADOE online database on October 29, 2013 for information regarding any releases to the subsurface which may have impacted or threatened a body of water.

No records regarding a release or the presence of AULs on the subject property were on file within the WADOE water quality database.

4.1.6 Building Department

Partner visited the Puyallup Building Department (PBD) on October 24, 2013 for information regarding historical tenants and property use of the subject property. The following table contains a listing of permits reviewed:

Building Records Reviewed for 400 River Road (Subject Property)

Year(s)	Owner/Applicant	Description
1999	Plumb Signs, Inc.	Installation of Facade
2001	Plumb Signs, Inc.	Construct Sign Pole
2002	I-5 Signs, Inc.	Relocate Wall
2003	Plumb Signs, Inc.	Remove Damaged Directional
2006	Olympic Sign Services, Inc.	Wall Sign-Chevrolet
2007	Alpha Steel Building, Inc	Stop Work-Canopy Over Service Drive

Year(s)	Owner/Applicant	Description
2011	CMW Investments, LLC	Commercial/Mechanical-Replace Three Gas Furnaces, Add Gas Piping
2013	K&A Holdings, LLC	Wall Sign-NW Motorsports 4x4 Parts

PBD's records of permits related to the subject property address dated back to 1999 and identified several signage changes between 1999 and 2013. Shell building permits and/or Certificates of Occupancy were not available at the building department.

4.1.7 Planning Department

Partner contacted the Puyallup Planning Department (PPD) on October 25, 2013 for information on the subject property in order to identify AULs associated with the subject property.

According to records reviewed, the subject property is zoned G-C (General Commercial) for commercial development by the City of Puyallup and is considered a legal use in its current configuration.

4.1.8 Oil & Gas Exploration

The State of Washington does not maintain records of oil and gas exploration. Partner accessed the National Pipeline Mapping System (NPMS) through this agency's website. The NPMS is a geographic information system (GIS) created by the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration (PHMSA), Office of Pipeline Safety (OPS) in cooperation with other federal and state governmental agencies and the pipeline industry. The NPMS consists of geospatial data, attribute data, public contact information, and metadata pertaining to the interstate and intrastate gas and hazardous liquid transmission pipelines, liquefied natural gas (LNG) plants, and hazardous liquid breakout tanks jurisdictional to PHMSA. The nominal accuracy of geospatial data in the NPMS is +/-500 feet.

Based on a review of the NPMS map, no hazardous liquid transmission pipelines, liquefied natural gas (LNG) plants, and hazardous liquid breakout tanks are located in the immediate vicinity of the subject property.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet. Please refer to the radius map for a complete listing (Appendix C).

The subject property was identified as a RCRA Non Gen, UST, FINDS and ALLSITES site in the regulatory database report. The adjacent properties were identified as RCRA Non Gen, UST, ALLSITES, MANIFEST and FINDS sites in the regulatory database report.

Federal NPL

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

No NPL sites are located within 1-mile of the subject property.

Federal CERCLIS List

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

No CERCLIS sites are listed within ½-mile of the subject property.

Federal CERCLIS-NFRAP Sites List

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

One CERCLIS-NFRAP site is listed within $^{1}/_{2}$-mile of the subject property. The site is located more than $^{1}/_{8}$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and inferred direction of groundwater flow; this site is not expected to represent a significant environmental concern.

Federal RCRA Generator List

The EPA Resource Conservation and Recovery Act (RCRA) Program RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

Greg Carter's Puyallup Chevrolet-Subaru, a former occupant of the subject property, is listed as a RCRA Non-Gen facility. RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. Based on the analytical results of previous subsurface investigations conducted onsite; this listing is not expected to represent a significant environmental concern.

Puyallup Chrysler-Plymouth R/V, Inc. is located at 401 River Road is located adjacent to the north (hydrologically down gradient) of the subject property. This site was reported in 1994 as a non-RCRA generator with no violations. Based on the regulatory status and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

Federal RCRA CORRACTS Facilities List

The RCRA CORRACTS database is the EPA's list of TSD facilities subject to corrective action under RCRA.

No RCRA CORRACTS facilities are listed within 1-mile of the subject property.

Federal Resource Conservation and Recovery Act (RCRA) TSD Facilities List

The RCRA Treatment, Storage and Disposal (TSD) database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

No RCRA TSD sites are listed within ½-mile of the subject property.

Federal Institutional Controls/Engineering Controls (IC/EC)

The Federal IC/EC database is designed to assist the EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant programs. The IC/EC sites are superfund sites that have either engineering or an institutional control in place. The data includes the control and the media contaminated.

No Federal IC/EC sites were found within ½-mile of the subject property.

Federal Emergency Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information or reported release of oil or hazardous substances.

No ERNS sites are listed on or adjacent to the subject property.

State/Tribal Sites (HSL)

The Washington Department of Ecology maintains a State Priority List (HSL) of sites considered to be actually or potentially contaminated.

Six HSL sites are reported within 1-mile of the subject property. Each of the six HSL sites are located more than $^{1}/_{8}$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State/Tribal Equivalent CERCLIS (CSCSL) Sites

The Washington Department of Ecology compiles a list of state hazardous waste sites equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list.

Twenty-four CSCSL sites are listed within 1-mile of the subject property. Each of the 24 CSCSL sites are located more than $^1/_8$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

Solid Waste/Landfill Facilities (SWLF)

A database of SWLF is prepared by the Washington Department of Ecology.

No SWLF facilities are listed within ½-mile of the subject property.

State Leaking Underground Storage Tank List (LUST)

The Washington Department of Ecology compiles lists of all leaks of hazardous substances from underground storage tanks.

Three LUST sites are listed within ½-mile of the subject property. Each of the three LUST sites is located more than $^1/_8$-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State Underground Storage Tank/Aboveground Storage Tank List (UST/AST)

The Washington Department of Ecology compiles a list of UST and AST locations.

Greg Carter's Puyallup Chevrolet-Subaru, a former occupant of the subject property, is listed as a UST facility (Facility ID 68989278). Available information indicates that a 5,000-gallon capacity UST and 1,100 gallon capacity UST were installed in 1964. Both USTs were reportedly closed/removed in 1996. Additionally, a 1,100-gallon capacity fiberglass reinforced plastic (FRP) UST was reportedly installed in 1987 and was reportedly closed/removed on April 4, 2004.

Additionally, eight registered UST/AST facilities are listed within ¼-mile of the subject property. Four sites are located within $^1/_8$-mile of the subject property as discussed below:

- Arthur J Boush Moving & Storage at 820 4th Street is adjacent to south (hydrologically up-gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was installed in 1964 and closed-in place in 1996. No releases have been reported for this site. Based on the regulatory status, this site is not expected to represent a significant environmental concern.

- City of Puyallup Sewage Pump South at the northeast corner of 4th Street and River Road is approximately 150-feet to the northeast (hydrologically down-gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was reportedly removed/closed in 1994. No releases have been reported for this site. Based on the regulatory status and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

- Puyallup Chrysler-Plymouth R/V, Inc. is located at 401 River Road is located adjacent to the north (hydrologically down gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was installed in 1964 and removed/closed in 1996. No releases have been reported for this site. Based on the relative distance, regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

- Korum RV at 514 River Road is located approximately 500-feet to the northwest (hydrologically down-gradient) of the subject property. This site reportedly operated one Underground Storage Tank, which was installed in 1964 and removed/closed in 1996. No releases have been reported for this site. Based on the relative distance, regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

The remaining four sites are located more than 1/8-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State/Tribal VCP Sites

The Washington Department of Ecology compiles a list of Voluntary Cleanup Program (VCP) sites.

Six State/Tribal VCP sites were found within ½-mile of the subject property. Each of the six sites is located more than 1/8-mile of the subject property and situated hydrologically cross- to down-gradient. Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow; these sites are not expected to represent a significant environmental concern.

State/Tribal Brownfield Sites

The Washington Department of Ecology has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems.

No State/Tribal Brownfield sites were found within ½-mile of the subject property.

US Brownfield Sites

The EPA Brownfield database was reviewed to identify facilities that qualify for federal remediation funding under the Small Business Liability Relief and Brownfield Revitalization Act (the "Brownfield" amendment to CERCLA).

No US Brownfield sites were noted within ½-mile of the subject property.

State Spills Sites (SPILLS)

The Washington Department of Ecology maintains reports of sites that have records of spills, leaks, investigations and cleanups.

No SPILLS sites are listed on or adjacent to the subject property.

Tribal Records

The EPA maintains a database of Indian administered lands of the United States that total 640 acres or more.

The Puyallup Indian Reservation is located approximately ½-mile to the northwest of the subject property. Based on the regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern. No other Tribal sites were found within 1-mile of the subject property.

MANIFEST Sites

The Washington Department of Ecology maintains a Manifest database which lists and tracks hazardous waste from the generator through transporters to a TSD facility.

The subject property is not listed as a MANIFEST site. Two MANIFEST sites are listed adjacent to the subject property as discussed below:

- Korum Family Limited Partnership at 500 River Road is located adjacent to the west (hydrologically cross-gradient) of the subject property. Based on the regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

- Larson Motors at 300 River Road is located adjacent to the east (east of 4th Street) (hydrologically cross-gradient) of the subject property. Based on the regulatory status, and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

Dry Cleaners

The Washington Department of Ecology maintains a list of registered dry cleaning facilities.

No Dry Cleaners are listed on or adjacent to the subject property.

Facility Index System/ Facility Registry System (Finds)

FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

The subject property was identified as a FINDS site. FINDS listings are a pointer to other sources which included databases maintained by the WADOE. This FINDS listing is likely associated with the UST listing discussed above in the UST/AST Segment.

ALLSITES

Information on facilities and sites of interest to the WADOE.

The subject property and adjacent properties were identified as ALLSITES. These listings are likely associated with the NON-RCRA Gen, UST and MANIFEST listings discussed above.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiry* is not complete. The user is asked to provide information or knowledge of the following:

- Environmental cleanup liens that are filed or recorded against the site.
- Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the LLPs.
- Relationship of the purchase price to the fair market value of the *property* if it were not contaminated.
- Commonly known or *reasonably ascertainable* information about the *property*.
- The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation.
- The reason for preparation of this Phase I ESA.

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E 1527-05, Partner requested the following site information from Sterling Bank (User of this report).

Item	Provided By User	Not Provided By User	Discussed Below	Does Not Apply
Environmental Pre-Survey Questionnaire	X			
Title Records		X		
Environmental Liens or Activity and Use Limitation		X		
Specialized Knowledge			X	
Valuation Reduction for Environmental Issues			X	
Identification of Key Site Manager	X			
Reason for Performing Phase I ESA	**Yes, See Section 1.1**			
Prior Environmental Reports			X	
Other		X		

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User.

5.1.3 Interview with Key Site Manager

Mrs. Nicola Bley, key site manager, indicated that she had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mrs. Bley, the subject property has been occupied by various automotive dealerships since its original development in the 1950s. She stated that there are currently no in-ground hydraulic lifts in any of the service bays. She stated that the in-round lifts were all removed and decommissioned prior to the current dealership's occupancy of the subject property in 2011. Mrs. Bley stated that there are no active USTs located on the property and that all waste automotive fluids are accumulated in the double walled above ground tanks that are located in the service bays. The waste fluids are reportedly removed by a licensed waste handler on an as needed basis. She stated that she understood that former USTs associated with the subject property were historically decommissioned and closed. Further, Ms. Bley was not aware of any existing underground storage tanks located on the subject property. She stated that the property is equipped with an oil water separation system which prevents automotive fluids from entering the municipal sewer and storm water systems. She stated that the area of the oil water separator was previously investigated and found to be free of contamination.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-05, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records

Partner was not provided with title records for review as part of this assessment.

5.2.2 Environmental Liens or Activity and Use Limitation

Partner requested information from the User regarding knowledge of environmental liens and activity and use limitations (AULs) for the subject property.

No environmental lien or activity and use limitation information was provided by the User at the time of the assessment.

5.2.3 Specialized Knowledge

The User was unaware of any specialized knowledge of environmental conditions associated with the subject property.

5.2.4 Commonly Known or Reasonably Ascertainable Information

The User was unaware of commonly known or *reasonably ascertainable* information within the local community about the subject property that is material to *recognized environmental conditions* in connection with the subject property.

5.2.5 Valuation Reduction for Environmental Issues

The User was unaware of knowledge of reductions in property value due to environmental issues.

5.2.6 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Audit, Environmental Associates, Inc. (July 31, 2003)

Consultant (Environmental Associates, Inc.) prepared this report on behalf of Puyallup Chevrolet.

According to the July 2003 Environmental Associates, Inc. report, the following recognized environmental conditions for the subject property were identified.

- The subject site building has been heated with a heating-oil burning unit in the past, and a "closed-in place" heating oil underground storage tank (UST) reportedly resides beneath the southern margin of the office/parts portion of the building near the basement parking garage entrance. An in-use waste-oil UST (approximately 500 to 1,000 gallon capacity) currently resides along the southern wall of the southern-most service bay building in the location of a

previously removed (in 1987) waste oil tank. An unleaded gasoline UST (approximately 2,000 to 5000 gallon capacity) which existed near the rear (southern) driveway portion of the site was apparently removed in approximately 1987. Subsurface environmental conditions proximal to these tank localities have apparently not been evaluated through means of subsurface sampling and laboratory analytical testing.

- Portions of the site including the northern-most and southern-most automobile service bay buildings have been used as automobile service and repair shops for approximately the past 50 and 43 years respectively, with the storage and use of automobile-related fluids (petroleum substances, solvents, anti-freeze, etc.). The southern-most auto service bay area currently houses one buried hydraulic lift which contains hydraulic fluid in a reservoir within the lift, and several former buried hydraulic lifts were removed from both service bay areas in approximately 1987 and replaced with above-floor hydraulic lifts. Subsurface environmental conditions related to these past and current uses of the site and current and former buried hydraulic lifts have apparently not been evaluated through means of subsurface sampling and analytical testing.

Phase II Environmental Site Assessment, Encore Environmental Consortium, LLC. (August 21, 2003) Encore Environmental Consortium, LLC (EEC) prepared this report on behalf of Argonaut Holdings, LLC.

The purpose of the Phase II subsurface activity was to assess potential impact to the subsurface from areas of potential site recognized environmental conditions (RECs) identified during the July 2003 Phase I ESA. EEC's Phase II ESA was conducted to address the following items from the Environmental Associates, Inc 2003 Phase I ESA:

- Active Waste Oil Underground Storage Tank (UST): An active waste oil UST with a reported 500 to 1,000-gallon capacity is located along the southern wall of the service bay building.

- Closed in Place Heating Oil UST: A "closed in place" heating oil UST is reportedly located along the southern margin of the office/parts portion of the building near the basement parking garage entrance.

- Former Gasoline UST: A former unleaded gasoline UST with a reported 2,000 to 5,000-gallon capacity was situated near the rear (southern) driveway portion of the Site.

- Active Hydraulic Hoist: One active in-ground hydraulic hoist is located in the southernmost service bay area of the Site.

- Former Hydraulic Hoists: Several former in-ground hydraulic hoists were reportedly removed from both service bay areas in 1987. During the Phase II ESA, EEC investigated eleven locations of former in-ground hydraulic hoists in these service bays.

- Former Gas Station: A former gas station was reportedly associated with an adjacent property to the east of the Site. Various Drainage Utilities: At the request of Argonaut, EEC investigated drainage facilities observed during the Phase II ESA, if any, that have the potential to impact the subsurface. Two storm drains, one of which is in the vicinity of an aboveground oil/water separator, were investigated by EEC during the Phase II ESA.

- During subsurface assessment activities, field personnel performed an investigation to evaluate the Site for potential subsurface impacts to the areas of concern presented above by advancing a total of 18 direct push soil borings. Soil borings SB-1 and SB-3 were advanced in the vicinity of two storm drains; soil boring SB-2 was advanced to investigate potential impacts from the adjacent property to the east of the Site; soil boring SB-4 was advanced to investigate the former unleaded gasoline UST; soil boring SB-5 was advanced to investigate the "closed in place" heating oil UST; soil borings 58-6 and SB-7 were advanced to investigate the active waste oil UST; and soil borings SB-8 through SB-18 were advanced to investigate the locations of the 11 former in-ground hydraulic hoists. One soil sample and one groundwater sample, if encountered, were collected from each boring location.

2003 Soil Analytical Results

- According to this 2003 Phase II Report, Xylene was detected in soils sampled from the assumed location of the former unleaded gasoline UST at a total concentration of 15.8 mg/kg, which exceeds the WAC MTCA Method A soil criterion for xylene of 9 mg/kg.

- TPH-GRO was detected in soil from the location of the active waste oil UST at a concentration of 128 mg/kg, which exceeds the WAC MTCA Model A soil criterion for TPH-GRO of 100 mg/kg.

- TPHDRO was detected in two soil samples from the location of the active waste oil UST at concentrations of 2,050 mg/kg to 3,320 mg/kg, respectively, which exceed the WAC MTCA Model A soil criterion for TPH-DRO of 2,000 mg/kg.
- Based on the analytical results, no other constituents were detected in soil samples collected from any of the remaining areas of concern at concentrations exceeding the applicable WAC MTCA Model A soil criteria.

2003 Groundwater Analytical Results

- Based on the analytical results, no constituents were detected in groundwater samples collected from the areas of concern at concentrations exceeding the applicable WAC MTCA Model A cleanup levels for groundwater.

The 2003 Phase II ESA recommended the following:

- Active Waste Oil UST: The release associated with the active waste oil UST should be investigated and confirmed in accordance with WAC Chapter 173-360 UST Regulations. Subsequently, the active waste oil UST should either be removed or closed in place.

- Former Gasoline UST: The release associated with the former gasoline UST should be further investigated and remediated in accordance with applicable requirements.

- The Active in-ground hoist should be drained and decommissioned in accordance with applicable regulatory requirements to prevent potential future releases.

Tank Closure Assessment Report, Friedman & Bruya, Inc. (April 13, 2004) Friedman & Bruya, Inc. (FBI) prepared this report on behalf of Environmental Management Services, LLC. (EMS).

- The 2004 FBI report stated that in March 2004, EMS was hired by the property owner to close by removal one 500- gallon waste oil underground storage tank (UST) from the property located at 400 Rivers Road, Puyallup, Washington. Soil samples collected during the UST closure were reported below Model Toxic Control Act Method A Cleanup Levels for site specific contaminates of concern (waste oil range hydrocarbons). Previous work completed at the site in August 2003 identified levels of waste oil hydrocarbons in the form of gasoline and oil range hydrocarbons. Unfortunately, this soil sampling data was not available to EMS at the time of the UST closure. Based on the data provided to EMS on samples collected at both 58-6 and SB-7, excavation of the impacted areas adjacent to the former UST location was warranted. Each of the two boring locations was outside the March 2004 UST excavation perimeter. Soil samples 56 through 59 collected by EMS in September 2004 were analyzed on site by method HCID and diesel oil range petroleum hydrocarbons. Sample results for SO through S8 were reported below laboratory detection limits. Sample results for 39 were reported 1010 mg/kg below the MTCA cleanup level of 2000 mg/kg.

- The 2004 FBI report stated that during the August 2003 site investigation, an area located on the southeast end of the property was identified as a former gasoline UST location. The size and configuration of the former gasoline USTs is unknown. It is known that the USTs were closed by removal in approximately 1988. Soil boring SP-4 competed in August 2003 identified xylene levels (15.81 mg/kg) exceeding the MTCA method A cleanup level of 9 mg/kg. Over excavation of this area was completed by EMS on September 2, 200/. Soil samples were collected following excavation activities and analyzed for gasoline range hydrocarbons including benzene, toluene, ethyl benzene and xylene. Samples 51 and 52 were also analyzed for total hydrocarbons by method HCID. Each of the five samples collected from within the excavation were reported below the MTCA method A cleanup for unrestricted land use.

- The 2004 FBI report stated that based on field observations and laboratory analytical results, EMS completed excavations of impacted soil on September 2, 2004. A total of 26.37 tons of impacted soil was excavated and transported to Rabanco / Allied Waste a state licensed

disposal facility. Confirmation soil samples collected from each excavation were reported by the laboratory as below the unrestricted MTCA Method A cleanup level. No groundwater was encountered during contaminated soil excavation activities.

- The 2004 FBI report stated that during a site investigation completed in August 2003, three areas were identified as containing impacted soil exceeding MTCA method A cleanup levels. The areas were divided into two locations, the former waste oil UST location and the former gasoline UST location. Soil samples were collected from each location following the removal of impacted soil. Each discrete soil sample was analyzed and reported below the MTCA method A cleanup levels.

- The 2004 FBI report stated that based on field observations and laboratory analytical results, remediation of the impacted soils at 400 River Road Puyallup, Washington identified in the August 2003 subsurface investigation has been successfully completed. All excavation activities were completed under the supervision of Ecology licensed UST Site Assessor.

- The 2004 FBI report stated that no further action regarding the, impacted soil identified in the August 2003 subsurface sampling event was warranted.

Focused Phase II Subsurface Investigation, The Riley Group, Inc. (April 25, 2011) The Riley Group, Inc. (RGI) prepared this report on behalf of Northwest Motorsport.

- According to the report, a Phase I Environmental Site Assessment (ESA) was completed for the site by Adapt Engineering, Inc. (Adapt) in 2011. (Partner was not provided with a copy of the 2011 Adapt Engineering Phase I ESA for review). The 2011 Adapt Engineering Phase I ESA reportedly stated that the feed line to the onsite oil/water separator was thought to have been disconnected and, therefore, represented a possible risk to soil and/or groundwater quality of the site. However, although further investigation revealed that aboveground oil/water separator was still connected, a limited Phase II Subsurface Investigation was recommended by Adapt in the vicinity of the unit.

- On April 11, 2011, RGI advanced test probe to a total depth of 12 feet bgs. The test probe was located immediately adjacent to and inferred downgradient of the onsite, aboveground oil/water separator. A total of two discrete soil samples were collected during this project; at the three- to four-foot and 10- to 12-foot depth intervals. Shallow groundwater was encountered in the test probe at approximately 10 to 11 feet bgs and was collected for analysis. The report stated that laboratory analysis indicated that no gasoline-, diesel- or oil-range TPHs or VOCs (BTEX and/or chlorinated solvents) were detected in the soil or groundwater samples submitted from the site.

6.0 SITE RECONNAISSANCE

The subject property was inspected by Daniel Stallings of Partner on October 24, 2013. The weather at the time of the site visit was overcast and raining. The Property Manager was identified as Nicola Bley. Nicola Bley accompanied Partner during field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property.

All areas of the subject property were accessible at the time of the site inspection. However, parked cars resulted in visual obstructions of the ground surface in many areas of the subject property.

The subject property is currently occupied by Northwest Motorsports, Inc. for commercial use. On-site operations consist of new automobile sales and full automotive maintenance, customization, repair and detailing activities. Environmental concerns were identified during the onsite reconnaissance related to former in-ground lifts, as further discussed in Section 6.2. Non-ASTM issues are discussed in Section 6.3.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located at the southeast portion of the subject property. An independent solid waste disposal contractor removes solid waste from the subject property.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Puyallup services the subject property vicinity. No wastewater treatment facilities or septic systems are located on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located throughout the subject property. Site storm water from roofs and paved areas is directed to on-site storm water drains. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment are fueled by electricity and natural gas provided by Peugeot Sound Energy. The mechanical system is comprised of a split system with a central unit and interior air-handler and an exterior condenser. Hot water is provided by central natural gas boiler units.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Materials and Petroleum Products Used or Stored at the Site

Partner identified hazardous materials and/or hazardous wastes to be used, stored, or generated on the subject property as noted in the following table:

Hazardous Substances/Wastes Noted Onsite

Substance	Container Size	Location	Nature of Use	Disposal Method
Virgin Automotive Oils	55-Gallon Drums	Service Bays	Automotive Service	None
Waste Oil	500-gallon AST	Service Bays	Automotive Service	Contractor
Used Oil Filters	55-gallon Drums	Service Bays	Automotive Service	Contractor
Virgin Anti-Freeze	55-gallon Drums	Service Bays	Automotive Service	None
Used Anti-Freeze	55-gallon Drums	Service Bays	Automotive Service	Contractor
Synthetic Gear Oil	55-gallon Drums	Service Bays	Automotive Service	None
Compressed Gasses	Various	Service Bays	Automotive Service	None
Used Batteries	Containment Pallet	Service Bays	Automotive Service	Contractor
Parts Cleaner	25-gallon Drums	Service Bays	Automotive Service	Contractor
Automotive Undercoating	55-gallon Drums	Detail Shop	Automotive Service	None

The materials were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. Secondary containment is provided and appears to be in accordance with acceptable containment methods.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

Partner observed three aboveground storage tanks (ASTs) for the storage of waste oil on the subject property. The ASTs are located in the service bays of the subject property. According to Mrs. Bley, the ASTs have been in use since at least 2011 and were likely there before then. The ASTs are of double-walled construction and are equipped with secondary overfill protection. No staining, leaks or spills were noted in the vicinity of the ASTs, and according to available information, no releases have been reported to the Washington Department of Ecology (WADOE).

According to the property manager and available regulatory information, there are currently no active USTs located on the subject property. The subject property was historically equipped with four underground storage tanks (USTs). Three of the tanks have been closed and removed and one has been closed in place. Please refer to the table below for information pertaining to the former USTs located on the subject property:

Underground Storage Tank (UST) for the subject property

	UST No. 1	UST No. 2	UST No. 3	UST No. 4
Tank ID Number:	NA	NA	NA	NA
Tank Capacity (Gallons):	5,000	1,000	500	500
Tank Contents:	Gasoline	Waste Oil	Heating Oil	Waste Oil
Installation Date:	1964	1987	1964	1987
Tank Status	Removed	Removed	Closed In-Place	Removed
Removal Date:	August 1996	March 2004	Not Applicable	March 2004
Tank Construction:	Steel	Fiberglass Reinforced Plastic (FRP)	Steel	Unknown
Tank Secondary Containment:	Single-walled	Unknown	Unknown	Unknown
Piping Construction:	Unknown	Unknown	Unknown	Unknown
Piping Secondary Containment:	Unknown	Unknown	Unknown	Unknown
Type of Corrosion Protection:	Unknown	Unknown	Unknown	Unknown

Type of Leaking Detection Equipment:	Unknown	Unknown	Unknown	Unknown
Type of Overfill Protection:	Unknown	Unknown	Unknown	Unknown
Evidence of Leaks, Stains, or Spills:	Yes, See Section 5.2	Yes, See Section 5.2	No	Yes, See Section 5.2
Reported Release(s):	Yes, See Section 5.2	Yes, See Section 5.2	No	Yes, See Section 5.2
Compliance with UST Regulations:	Yes	Yes	Yes	Yes

Note: This information was obtained from Mrs. Nicola Bley, during the site inspection, the regulatory database report, and client-provided documentation.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Partner observed evidence of former in-ground lifts in the current above ground service bays as evidenced by circular cut-outs and concrete patches that are similar to the size of in-ground lift cylinders. As discussed in Section 5.2.6, a 2003 Phase II Environmental Site Assessment investigation was performed in the areas of the former lifts.

The 2003 Phase II Investigation concluded that contaminants in soils collected from the areas of the former lifts did not exceed regulatory concentration criteria for gasoline or diesel range petroleum hydrocarbons. However, review of the laboratory analysis from this report only indicated that soils collected from the service bays were analyzed for petroleum hydrocarbons within gasoline and diesel range. The testing did not include analysis for PCBs, specifically. Therefore it is Partner's opinion that this testing was not sufficient to determine the absence or presence of PCB contamination in the soils from the areas of the former in-ground lifts.

Based on the potential for PCB-containing hydraulic fluid within the lifts to have impacted the subsurface and on the lack of any documented sampling conducted after removal of the lifts which targeted PCBs, specifically, the former presence of the former in-ground lifts onsite is a Recognized Environmental Condition.

All lifts at the subject property are currently above ground. Based on the age, good condition, and above ground nature of the current hydraulic fluid reservoirs, the current lifts are not likely to contain PCB fluid and are not expected to represent a significant environmental concern. No staining or other evidence of a release of hydraulic fluid or oil was observed in the vicinity of this equipment.

No other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property.

6.2.7 Drains, Sumps and Clarifiers

The service area floor drain systems for each building reportedly discharge to an oil-water separator, prior to discharge to the municipal storm water sewerage system operated by the Puyallup Public Works Department. The oil-water separator is located in the paved parking area immediately adjacent to a canopy at the southeast portion of the subject property. According to Mrs. Nicola Bley, Facility Manager, the oil-water separator is serviced as needed by a licensed contractor.

Based on the findings of the 2011 focused subsurface investigation (discussed in Section 5.2.6, the oil/water separator is not expected to represent a significant environmental concern at this time.

No other drains, sumps or clarifiers were observed on the subject property.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

Based on visual observations no oil well, monitoring well, USTs, or other sources of possible vapor intrusion were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. Asbestos is commonly used as an acoustic insulator, thermal insulation, fire proofing and in other building materials. Exposure to airborne friable asbestos may result in a potential health risk because persons breathing the air may breathe in asbestos fibers. Continued exposure can increase the amount of fibers that remain in the lung. Fibers embedded in lung tissue over time may cause serious lung diseases including: asbestosis, lung cancer, or mesothelioma.

The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1980 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property buildings were constructed between 1953 and 1966. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect asbestos containing materials (ACMs) at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs

Suspect ACM	Location	Friable Yes/No	Physical Condition
Drywall Systems	Throughout Building Interiors	No	Good
Floor Tiles	Throughout Building Interiors	No	Good
1x1 Ceiling Tiles & Glue Dots	Basement/Storage	Yes	Good
Spray-Applied Acoustical Material	Internet Sales Office	Yes	Good

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, inspection, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Due to the commercial nature of use of the subject property, lead-based paint was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones; Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the US EPA Action Limit of 4.0 PicoCuries per Liter (pCi/L). It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3, where average predicted radon levels are less than 2.0 pCi/L.

Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Puyallup Department of Public Works and Engineering serves the subject property vicinity. According to a representative of the department, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. According to the department's 2012 Water Quality Report (WQR), the City of Puyallup obtains its drinking water from two natural springs (Maplewood Springs and Salmon Springs), from five deep wells and from the City of Tacoma. According to the City of Puyallup and the 2012 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding). Mold growths often appear as discoloration, staining, or fuzzy growth on building materials or furnishings and are varied colors of white, gray, brow, black, yellow, and green. In large quantities, molds can cause allergic symptoms when inhaled or through the toxins the molds emit.

Partner observed accessible, interior areas for the subject property buildings for significant evidence of mold growth; however, this ESA should not be used as a mold survey or inspection. Additionally, this inspection was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

No obvious indications of water damage or mold growth were observed during Partner's visual inspection.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site inspection, including hazardous materials, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term REC includes hazardous substances and petroleum products even under conditions that might be in compliance with laws. The term is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment and that would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies. The following was identified during the course of this assessment:

- Partner observed evidence of former in-ground hydraulic lifts in the current above ground service bays as evidenced by circular cut-outs and concrete patches indicative of in-ground lift cylinders. The lifts were reportedly installed in the 1950s and removed in 1987. To address subsurface environmental conditions related to the former hydraulic lifts, a Phase II Environmental Site Assessment investigation was performed by Encore Environmental Consortium, LLC (EEC) in 2003. The subsurface investigation included the advancement of eleven borings identified as *the locations of former-in ground hydraulic lifts in the service bays*. However, review of the laboratory analysis from this report indicated that soils collected from the service bays were only analyzed for diesel and gas range petroleum hydrocarbons. The testing did not include analysis of polychlorinated biphenyls (PCBs), which is a target chemical of concern associated with older hydraulic lifts. Therefore, it is Partner's opinion that the 2003 investigation was not sufficient to determine the absence or presence of PCB contamination in soils from the areas of the former in-ground lifts. Based on the potential for PCB-containing hydraulic fluid within the lifts to have impacted the subsurface and on the lack of any documented sampling conducted after removal of the lifts which targeted PCBs as a contaminant, specifically, the former presence of in-ground lifts onsite is a Recognized Environmental Condition.

- According to previous environmental reports prepared in 2003, the southern-most auto service bay area housed one active in-ground hydraulic lift which contained hydraulic fluid in a reservoir within the lift. The previous consultant recommended that the lift be drained and decommissioned in accordance with applicable regulatory requirements to prevent potential future releases. The reported lift was not observed during Partner's site reconnaissance, and no information pertaining to the status of the lift was found during Partner's assessment. Therefore, it is unclear whether the lift was properly removed and/or subsurface sampling was conducted. Based on this information, the former in-ground lift represents a REC.

A *historical recognized environmental condition (HREC)* refers to an environmental condition which would have been considered a REC in the past, but which is no longer considered a REC based on subsequent assessment or regulatory closure. The following was identified during the course of this assessment:

- The subject property was historically equipped with four underground storage tanks (USTs): one gasoline tank, one heating oil tank and two waste oil tanks. Three of the tanks have been closed and removed, and one has been closed in-place. Based on the documented removal and/or closure of the tanks, the subsequent analytical results and soil remediation, and the regulatory closure, the former USTs and associated onsite contamination are considered a historic recognized environmental condition.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, require discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that ACMs and/or LBP are present. Overall, all suspect ACMs and painted surfaces were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. A few ceiling tiles, however, were noted during the inspection to be broken, chipped, and/or have signs of water damage. Should the ceiling tiles (or their glue dots) be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

- A previous subsurface investigation was performed in the area of the existing oil/water separator in 2011 to evaluate the site for potential subsurface impacts related to auto repair operations. Analytical results of the investigation revealed no constituents of concern were detected in soil or groundwater samples collected near the oil/water separator. Based on the results, the presence of the oil/water separator is not a concern at this time. However, the oil/water separator continues to be used by the current tenant. The user should be aware that environmental risks associated with use of the oil/water separator in connection with auto repair activities increases over time.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05 of 400 River Road in the City of Puyallup, Pierce County, Washington (the "subject property"). Any exceptions to or deletions from this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

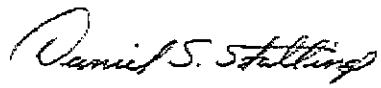
- A limited subsurface investigation should be conducted in order to determine the presence or absence of PCB contamination in the areas of the former in-ground lifts.
- Obtain and review records pertaining to removal/decommissioning activities of the active in-ground lift.
- Periodic maintenance of the existing oil/water separator to prevent future releases.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 400 River Road in the City of Puyallup, Pierce County, Washington in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

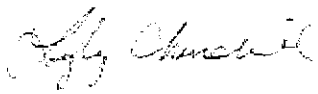
By signing below, Partner declares that, to the best of our professional knowledge and belief, the undersigned meet the definition of an *Environmental Professional* as defined in §312.10 of 40 CFR 312 and have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Daniel S. Stallings, REPA, EP
Environmental Professional

Reviewed By:



Lyly Churchill, MA
Senior Author

9.0 REFERENCES

Contact List

City of Puyallup Building Department 333 S. Meridian, 2nd Floor Puyallup, WA 98371 (253) 864-4165

City of Puyallup Engineering 333 S. Meridian, 2nd Floor Puyallup, WA 98371 (253) 864-4165

City of Puyallup Fire Department 333 South Meridian, Puyallup, WA 98371 Fire Prevention Line: (253) 864-4182

City of Puyallup Planning Department 333 S. Meridian, 2nd Floor Puyallup, WA 98371 253-864-4165

City of Puyallup Public Works 333 S. Meridian, 2nd Floor Puyallup, WA 98371 (253) 864-4165

City of Tacoma Library 1102 Tacoma Avenue South Tacoma, WA 98402

Pierce County Assessment and Taxation (253) 798-6111

Pierce County Health Department 955 Building Tacoma Avenue South, Tacoma, WA 98402

United States Environmental Protection Agency accessed via the Internet, October, 2013

United States Geological Survey, accessed via the Internet, October, 2013

Washington Department of Ecology Public Records Officer PO Box 47600 Olympia WA 98504

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E 1527-05.

EDR Aerial Photo Decade Package; Inquiry Number 3762993.2s, dated October 21, 2013

EDR Radius Map Data Package; Inquiry Number 3762993.2s, dated October 21, 2013

EDR Sanborn Map Package; Inquiry Number 3762993.2s, dated October 21, 2013

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, Community Panel Number 5301440005B, Flood Map dated August 15, 1980

Phase I Environmental Audit, Environmental Associates, Inc. (July 31, 2003) Consultant (Environmental Associates, Inc.) prepared this report on behalf of Puyallup Chevrolet.

Phase II Environmental Site Assessment, Encore Environmental Consortium, LLC. (August 21, 2003) Consultant Encore Environmental Consortium, LLC (EEC) prepared this report on behalf of Argonaut Holdings, LLC.

Tank Closure Assessment Report, Friedman & Bruya, Inc. (April 13, 2004) Friedman & Bruya, Inc. (FBI) prepared this report on behalf of Environmental Management Services, LLC. (EMS).

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U.S. Department of the Interior, Fish & Wildlife Service's National Wetland Inventory (NWI) Map accessed via the Internet, October, 2013

U.S. Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the Internet, October, 2013

U.S. Geological Survey Topographic Map accessed via the Internet, October, 2013

FIGURES

1- SITE LOCATION MAP

2- TOPOGRAPHIC MAP

3- SITE PLAN

PARTNER

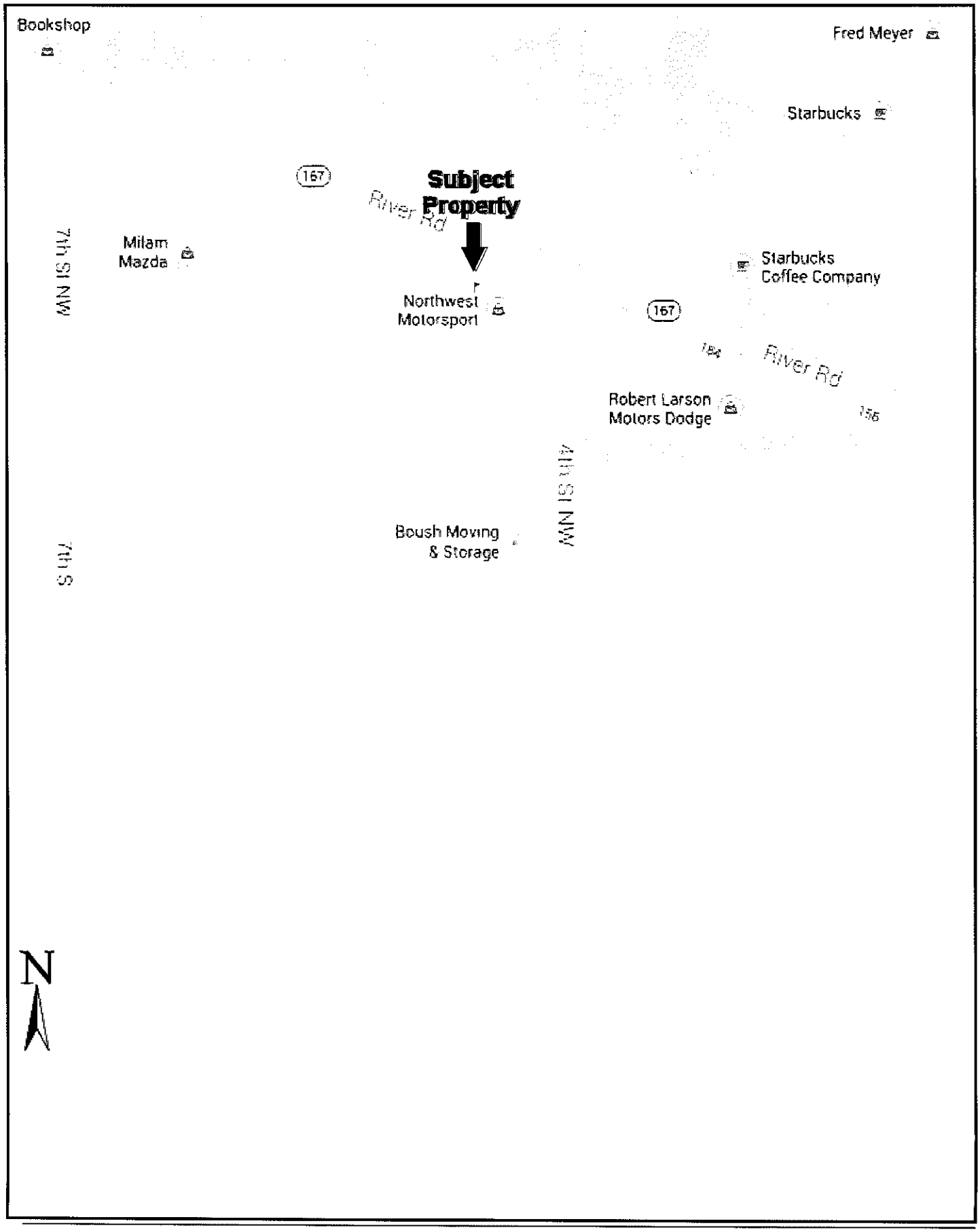

FIGURE 1: SITE LOCATION MAP
Project No. 13-111058.1

Drawing Not To Scale

PARTNER

USGS 7.5 Minute *Puyallup, Washington* Quadrangle Created: 1994

FIGURE 2: TOPOGRAPHIC MAP
Project No. 13-111058.1

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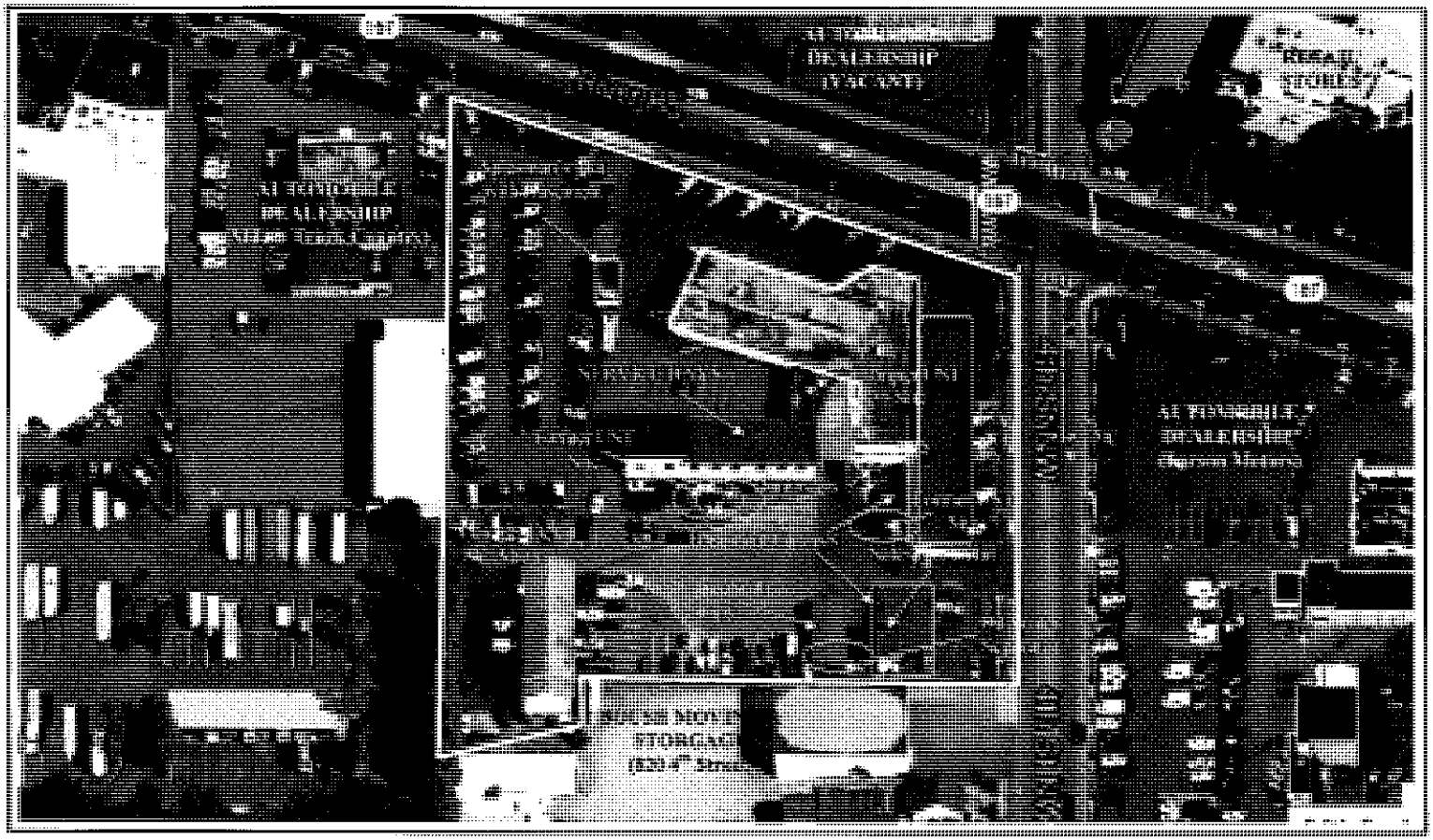

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GROUNDWATER FLOW

KEY:

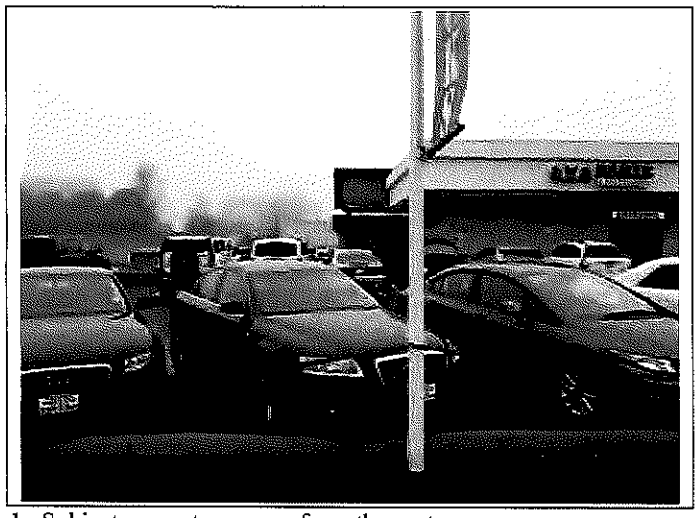
Subject Site

FIGURE 3: SITE PLAN
Project No. 13-111058.1

PARTNER

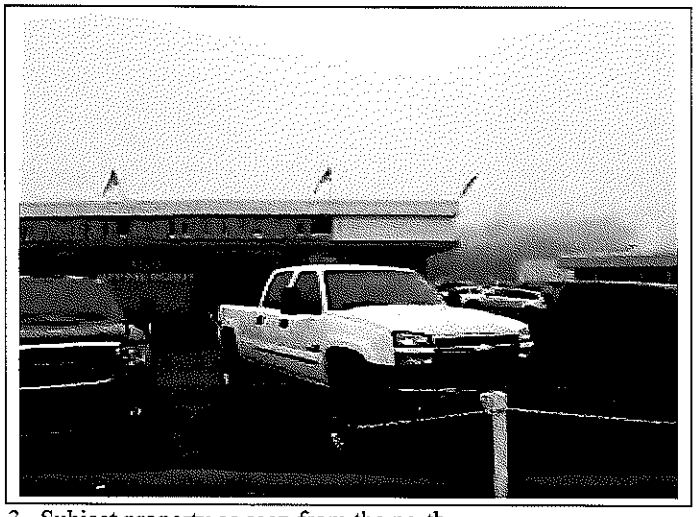
APPENDIX A: SITE PHOTOGRAPHS

PARTNER



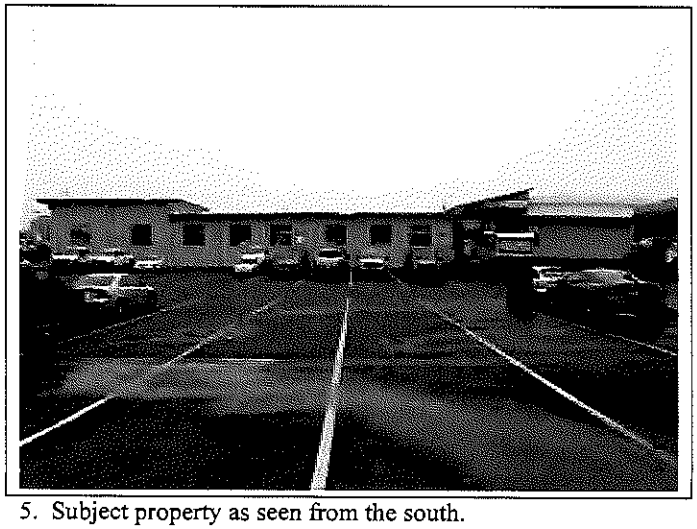
1. Subject property as seen from the east.

2. View to the east as seen from the subject property.

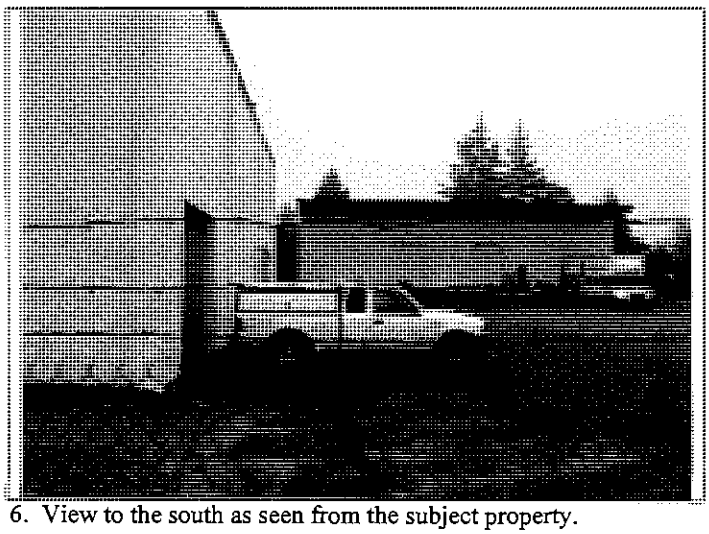


3. Subject property as seen from the north.

4. View to the north as seen from the subject property.



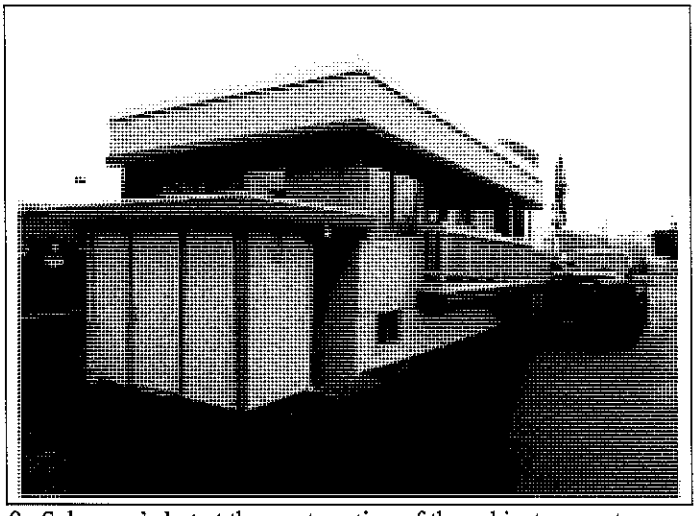
5. Subject property as seen from the south.



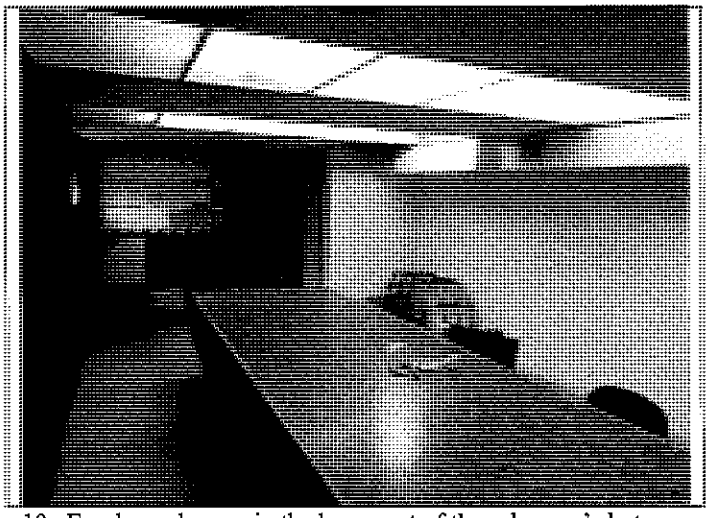
6. View to the south as seen from the subject property.

7. Subject property as seen from the west.

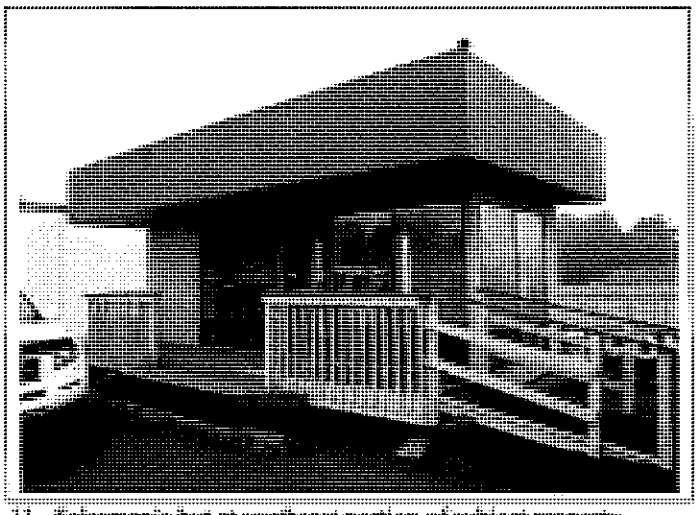
8. View to the west as seen from the subject property.



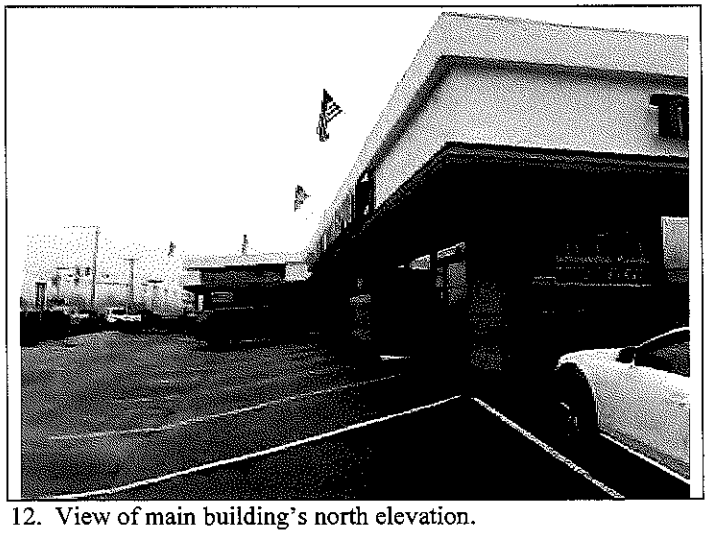
9. Salesman's hut at the west portion of the subject property.



10. Employee lounge in the basement of the salesman's hut.

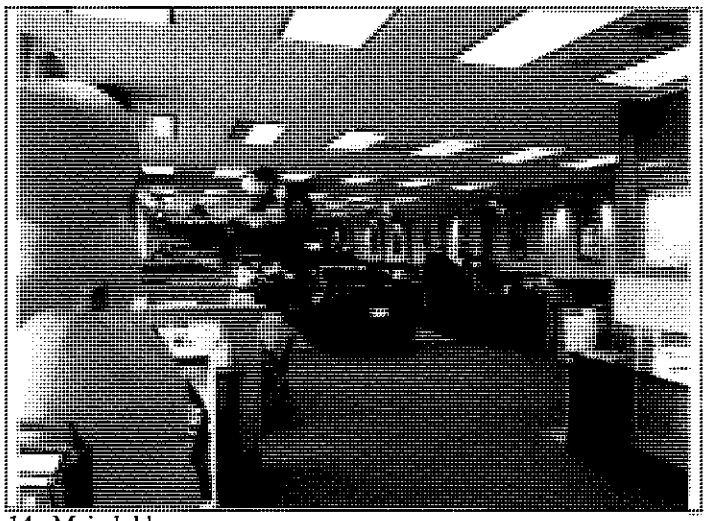


11. Salesman's hut at southeast portion of subject property.



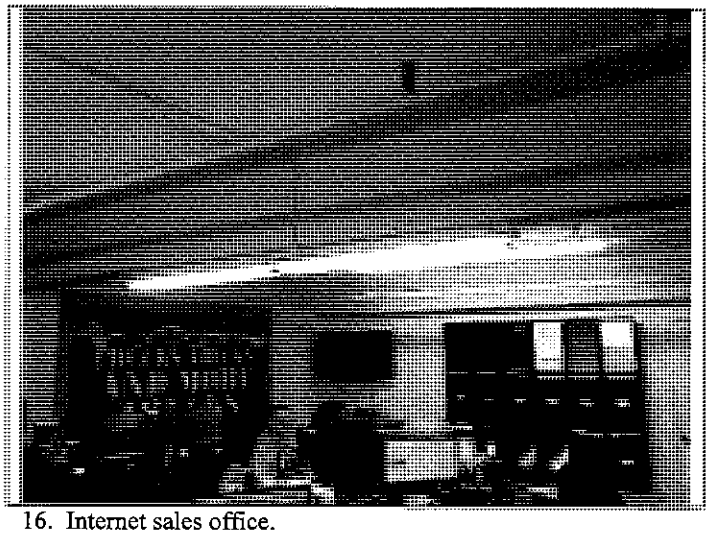
12. View of main building's north elevation.

13. Service entrance.



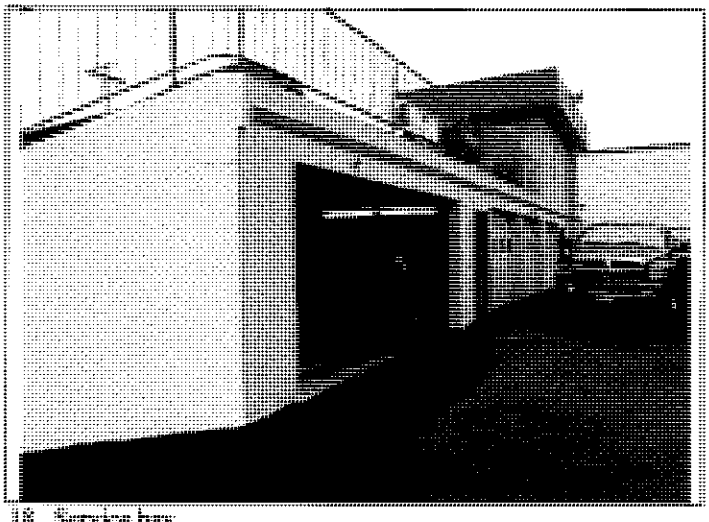
14. Main lobby.

15. Automotive detailing shop.

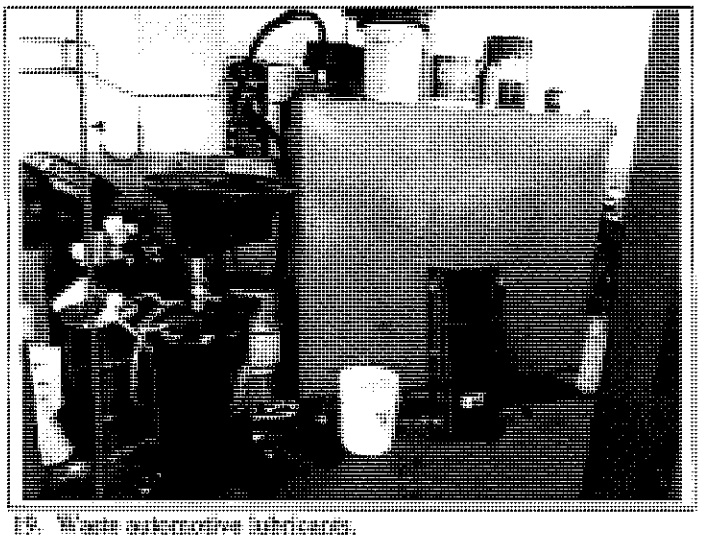


16. Internet sales office.

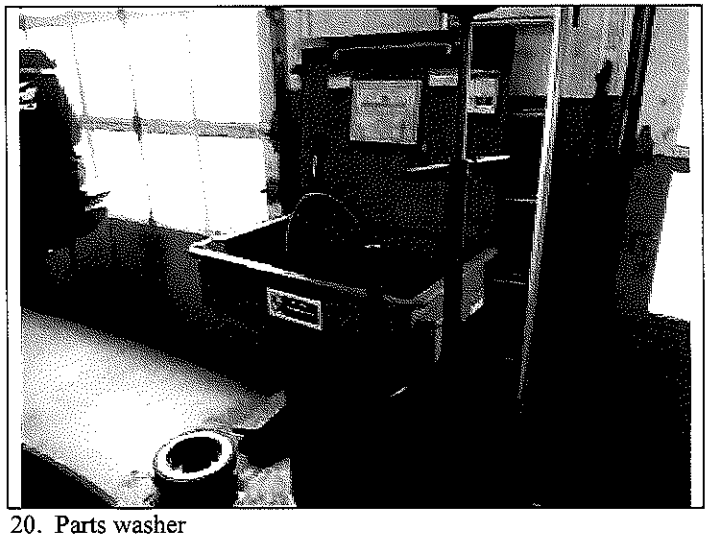
17. Flammable materials storage cabinet.



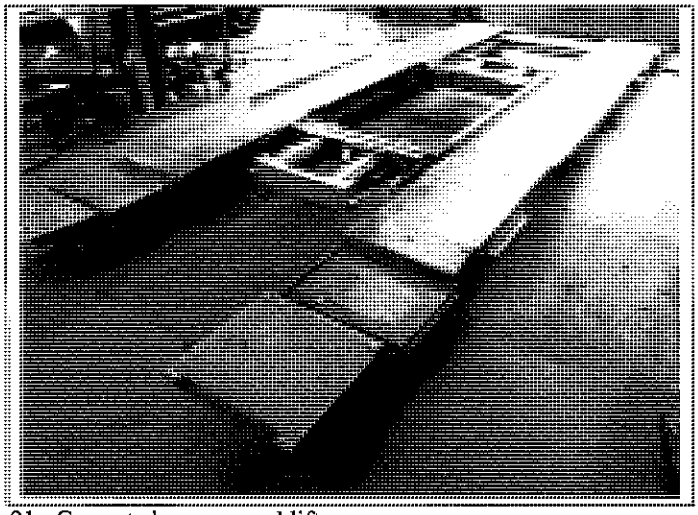
18. Service bay.



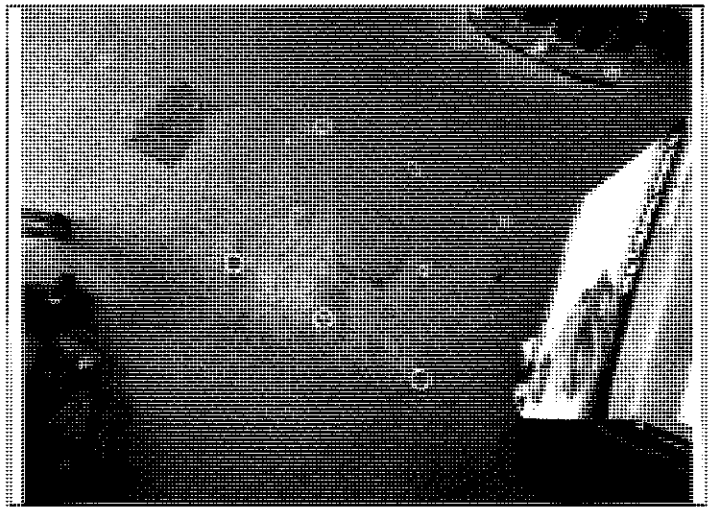
19. Waste automotive lubricants.



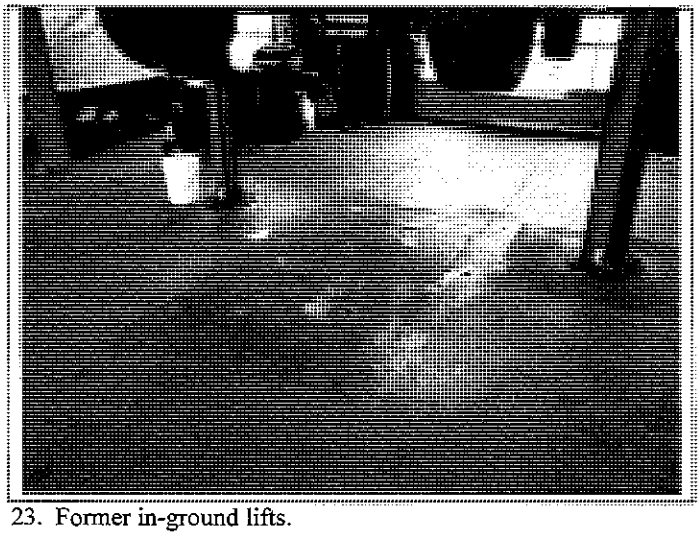
20. Parts washer



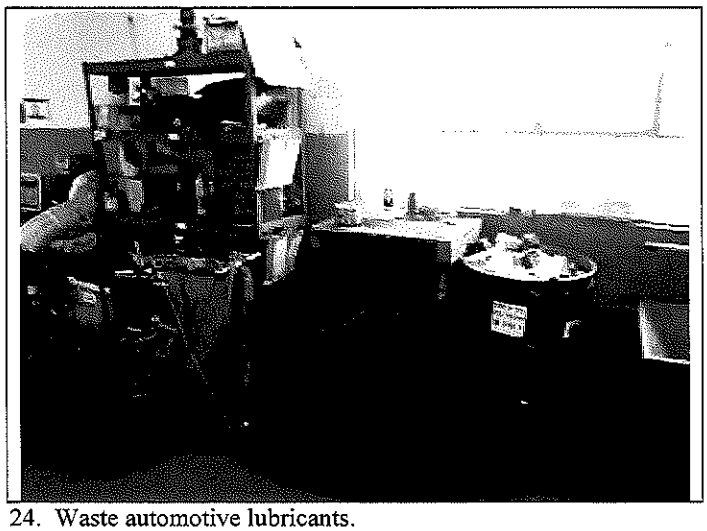
21. Current above-ground lifts.



22. Former in-ground lifts.



23. Former in-ground lifts.



24. Waste automotive lubricants.

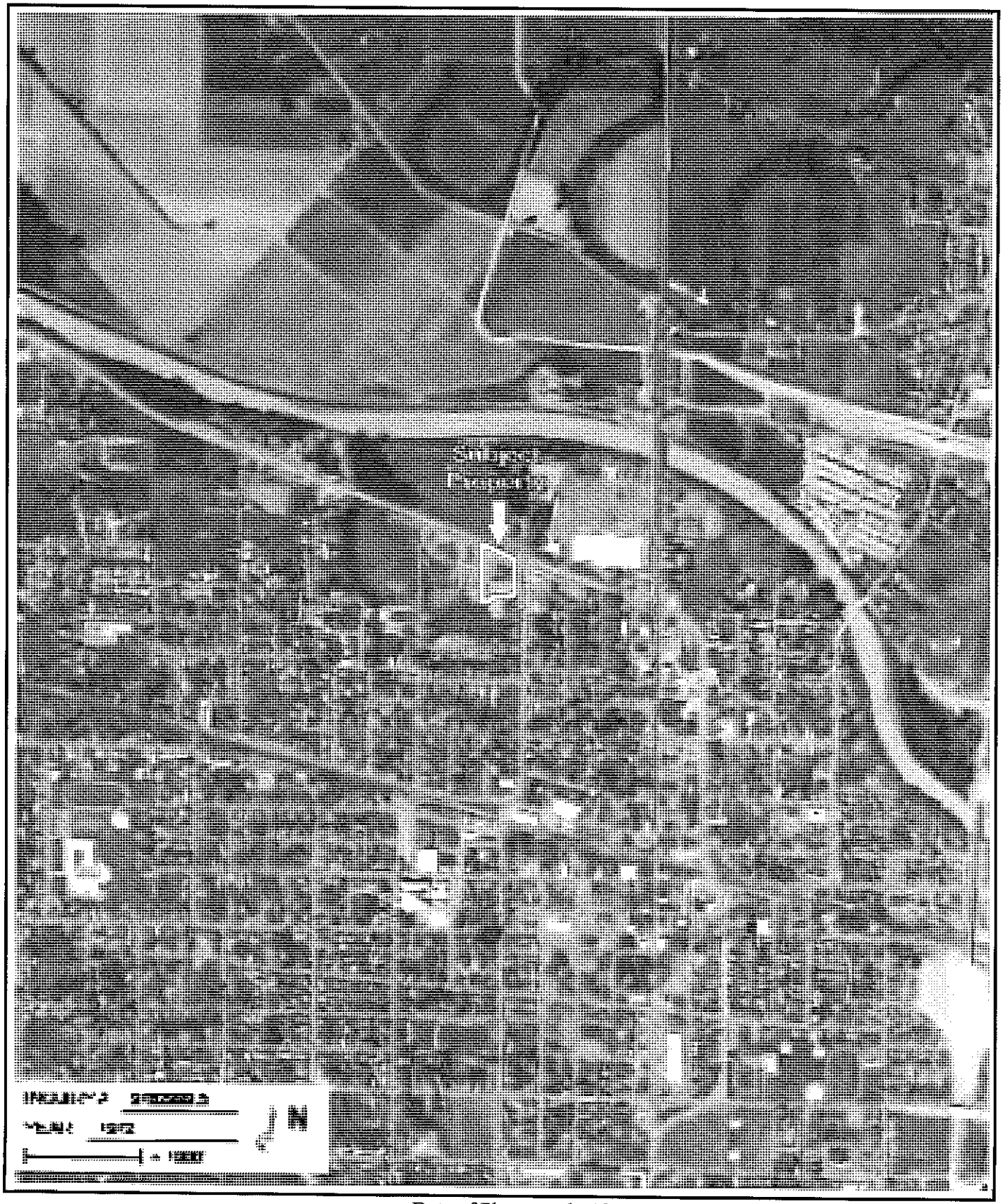
APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

Date of Photograph: 1941

Date of Photograph: 1957

Date of Photograph: 1968



Date of Photograph: 1972

Date of Photograph: 1986

Date of Photograph: 1990

Date of Photograph: 1991

Date of Photograph: 2006

Date of Photograph: 2009

Date of Photograph: 2011

City of Puyallup
Online Development Services

Permit | Logon | Help | Contact

B-11-0275

Applied	Approved	Issued	Final	Expires
05/24/2011	06/15/2011	06/15/2011		12/12/2011

Type **SIGN PERMIT**

Status **issued**

Permit Description

COMM SIGN (4) WALL SIGNS - NW MOTORSPORTS - TRUCKS SIGN

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **CMW INVESTMENTS LLC** Owner **Y**

Owner **CMW INVESTMENTS LLC**

Viewing Permit <-- Select the information you would like to view.

Sub Permit #	Type	Address	Status
B-11-0276	SIGN PERMIT	400 RIVER RD PUYALLUP WA 98371-4155	issued

Details

r PUYALLUP BUSINESS LICENSE **75.00**

City of Puyallup
Online Development Services

Permit | Logon | Help | Contact

B-11-0276

Applied	Approved	Issued	Final	Expires
05/24/2011	06/15/2011	06/15/2011		12/12/2011

Type **SIGN PERMIT**

Status **issued**

Permit Description

COMM SIGN (1) POLE SIGNS - NW MOTORSPORTS - TRUCKS SIGN

Permit Address **400 RIVER RD PUYALLUP WA 98371-41SS**

Applicant **CMW INVESTMENTS LLC** Owner **Y**

Owner **CMW INVESTMENTS LLC**

Viewing Permit <-- Select the information you would like to view.

Master Permit # **B-11-0275**

City of Puyallup
Online Development Services

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B-11-0476

Applied	Approved	Issued	Final	Expires
08/08/2011	10/11/2011	10/11/2011		04/08/2012

Type **SIGN PERMIT**

Status **issued**

Permit Description

POLE SIGN - NORTHWEST MOTORSPORT

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **DARREL C & DIANE G HAGEN** Owner **Y**

Owner **CMW INVESTMENTS LLC**

Viewing Permit <-- Select the information you would like to view.

Master Permit # **B-11-0475**

City of Puyallup
Online Development Services

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B-13-0402

Applied	Approved	Issued	Final	Expires
05/10/2013	05/22/2013	05/22/2013		11/18/2013

Type **SIGN PERMIT**

Status **issued**

Permit Description

(1) WALL SIGN ~ NW MOTORSPORT/4X4 PARTS

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **K & A HOLDINGS LLC** Owner **Y**

Owner **K & A HOLDINGS LLC**

Viewing Permit <-- Select the information you would like to view.

City of Puyallup
Online Development Services

Permit | Logon | Help | Contact

Z-00-1815

Applied	Approved	Issued	Final	Expires
03/01/2001		07/12/2001	07/12/2002	06/27/2008

Type **CONVERTED LEGACY PERMITS**

Permit Description

REFACE SIGN AT PUYALLUP SUBARU

Status **final**

Permit Address **400 RIVER RD PUYALLUP WA 98371-4155**

Applicant **I FIVE SIGNS INC** Owner **N**

Owner **PARKS KENNETH**

Viewing Permit <-- Select the information you would like to view.

Details

LEGACY PERMIT NUMBER **14830**

LEGACY PERMIT STATUS **Expired**

Pierce County
WASHINGTON

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214807

10/23/2013 07:02 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Tax/Assessment	
Value Area:	PI2	**Current Tax Year:**	2014
Appr Acct Type:	Commercial	**Taxable Value:**	2,529,200
Business Name:	FRIENDLY CHEVROLET	**Assessed Value:**	2,529,200
Last Inspection:	06/16/2008 - New Construction		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 2000203421 2818070636

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 44 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLO ED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD SEG F 0740

Pierce County Assessor-Treasurer
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Tacoma, Washington 98409
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Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214014

11/04/2013 03:32 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214014	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	506 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Tax/Assessment	
Value Area:	PI2	**Current Tax Year:**	2014
Appr Acct Type:	Commercial	**Taxable Value:**	485,200
Business Name:		**Assessed Value:**	485,200
Last Inspection:	04/10/2008 - Physical Inspection		

Related Parcels

Group Account Number:	434
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : COM AT A STONE MON AT INTER OF 7TH AVE NW & 4TH ST NW TH N 1040.33 FT TO CENT OF HWY TH N 20 DEG 21 MIN W 332 FT TH S 53.33 FT TO IRON PIPE & POB TH S 325 FT TH W 93.76 FT TH N 359.78 FT TH S 69 DEG 39 MIN E 100 FT TO POB

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Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214057

11/04/2013 03:34 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214057	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	XXX 4TH ST NW	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	6310-GEN WAREHOUSING STORAGE		

Appraisal Details		Tax/Assessment	
Value Area:	PI2	**Current Tax Year:**	2014
Appr Acct Type:	Commercial	**Taxable Value:**	301,800
Business Name:		**Assessed Value:**	301,800
Last Inspection:	04/10/2008 - Physical Inspection		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: n/a

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 43 : TR OF LD IN SEC 21 & 28 DESC AS FOLL BEG AT SW COR OF PROP CYD TO BRUCE A MERCER POST #67 OF AMERICAN LEGION #1855113 TH E ALG S LI OF SD AMERICAN LEGION PROP 93.76 FT M/L TO PROP CYD TO LLOYD L GRAND #1653368 TH S ALG W LI OF SD GRANT PROP 172.57 FT M/L TO SW COR THEREOF TH S 72 DEG 27 MIN 20 SEC W TO INTER W LI OF ABOVE MENTIONED AMERICAN LEGION PROP EXTENDED S TH N ALG W LI OF SD AMERICAN LEGION PROP EXTENDED TO POB SUBJ TO EASE #1926238 OUT OF 4-106 SEG M-1294 GD JES

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Assessor-Treasurer electronic Property Information Profile

Taxes / Values for 0420214807

10/23/2013 07:03 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Assessed Values

Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2014	2,529,200	2,529,200	1,869,700	659,500	0	0	06/24/2013
2013	2,521,000	2,521,000	1,869,700	651,300	0	0	06/22/2012
2012	2,705,500	2,705,500	2,071,900	633,600	0	0	06/27/2011
2011	2,930,900	2,930,900	2,173,000	757,900	0	0	06/21/2010
2010	3,249,700	3,249,700	2,400,400	849,300	0	0	07/17/2009
2009	3,353,800	3,353,800	2,526,700	827,100	0	0	09/19/2008
2008	2,594,200	2,594,200	1,999,400	594,800	0	0	06/22/2007
2007	2,103,500	2,103,500	1,536,100	567,400	0	0	06/12/2006
2006	1,316,500	1,316,500	718,900	597,600	0	0	10/07/2005

Current Charges

Balance Due: 0.00 **Minimum Due: 0.00** **as of 10/23/2013**

Exemptions

No exemptions

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Official Payments Corporation** at **1-800-487-4567**

Tax Year	Charge Type	Amount Paid
2013	Property Tax Principal	36,215.46
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,534.30
	Pierce Conservation District Principal	4.72
	Total 2013	**38,756.40**
2012	Property Tax Principal	34,563.47
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,098.00
	Pierce Conservation District Principal	5.00
	Total 2012	**36,668.39**
2011	Property Tax Principal	36,190.06
	Weed Control Principal	1.92
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2011	**38,230.94**
2010	Property Tax Principal	36,577.28
	Weed Control Principal	1.61
	Fire Benefit Charge Principal	2,033.96
	Pierce Conservation District Principal	5.00
	Total 2010	**38,617.85**
2009	Property Tax Principal	34,121.32
	Weed Control Principal	1.61
	Pierce Conservation District Principal	5.00
	Total 2009	**34,127.93**
2008	Property Tax Principal	27,123.70
	Weed Control Principal	1.61
	Pierce Conservation District Principal	5.00
	Total 2008	**27,130.31**

Tax Code Areas

Tax Year	TCA	Rate
2014	096	0.000000
2013	096	14.365513
2012	096	12.775261
2011	096	12.347762
2010	096	11.255588
2009	090	10.173927
2008	090	10.455517
2007	090	11.277173
2006	090	13.019260

Receipts

Date	Number	Amount Applied
10/17/2013	7260541	19,378.20
04/30/2013	7120627	19,378.20
10/19/2012	6674328	18,334.20
04/24/2012	6435119	18,334.19
01/11/2012	6281150	19,115.47
04/25/2011	5805192	19,115.47
10/29/2010	5593607	19,308.93
04/22/2010	5178555	19,308.92
10/29/2009	4996925	17,063.97
04/30/2009	4766156	17,063.96
11/03/2008	4476294	13,565.16
05/05/2008	4214816	13,565.15
10/19/2007	3710788	11,864.07
05/04/2007	3609277	11,864.07
10/27/2006	3245918	8,573.24
04/24/2006	2905940	8,573.23
10/21/2005	2633459	8,284.90

2007	Property Tax Principal	23,721.53	04/22/2005	2389069	8,284.90
	Weed Control Principal	1.61	11/01/2004	2142200	7,655.49
	Pierce Conservation District Principal	5.00	05/05/2004	1898547	7,655.49
	Total 2007	**23,728.14**			
2006	Property Tax Principal	17,139.86			
	Weed Control Principal	1.61			
	Pierce Conservation District Principal	5.00			
	Total 2006	**17,146.47**			

ULID Information

Click here for ULID information

Pierce County Assessor-Treasurer
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Pierce County
WASHINGTON

Assessor-Treasurer electronic Property Information Profile

Land Characteristics for 0420214807

10/23/2013 07:04 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		
Location:		**Size**	
LEA:	2052	**SF:**	120,788
RTSQQ:	04-20-21-44	**Acres:**	2.77
		Front Ft:	392
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214807

10/23/2013 07:04 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Building ID: 1 2 — **2 building(s) on this parcel**

General Characteristics

Property Type:	Commercial	**SF:**	12,611	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	21,681	**Total Bsmnt. SF:**	0
Quality:	Fair	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Service Garage	1953	1978	6,706	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0
Showroom	1953	1990	5,905	1	n/a	n/a	n/a	Masonry	n/a	Forced Air	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Asphalt (LC)	74,700
Add On	Canopies WD FR (Gd)	1,900
Basement	Storage	7,790

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Assessor-Treasurer electronic Property Information Profile

Building Characteristics for 0420214807

10/23/2013 07:05 PM

Property Details

Parcel Number:	0420214807
Site Address:	400 RIVER RD
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Building ID: 1 2 — **2 building(s) on this parcel**

General Characteristics

Property Type:	Commercial	**SF:**	4,160	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	4,160	**Total Bsmnt. SF:**	0
Quality:	Fair	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	Auto Related	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Service Garage	1953	1961	2,880	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0
Service Garage	1961	1961	1,280	1	n/a	n/a	n/a	Masonry	n/a	Space Heater	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	Garage D Cls AV SF	3,552

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214807

10/23/2013 07:05 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214807	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4251216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search | Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
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WASHINGTON

Assessor-Treasurer electronic Property Information Profile

Parcel Summary for 0420214808

11/04/2013 03:26 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Appraisal Details		Tax/Assessment	
Value Area:	PI2	**Current Tax Year:**	2014
Appr Acct Type:	Commercial	**Taxable Value:**	7,700
Business Name:		**Assessed Value:**	7,700
Last Inspection:	04/10/2008 - Physical Inspection		

Related Parcels

Group Account Number: 434

Mobile/MFG Home and Personal Property parcel(s) located on this parcel: 1200127008

Real parcel on which this parcel is located: n/a

Tax Description

Section 21 Township 20 Range 04 Quarter 44 : COM AT MON AT INTER OF 4TH ST NW & 7TH AVE NW IN NE OF SEC 28 20 4E TH N 00 DEG 21 MIN E 636 FT ALG C/L OF SD 4TH ST TH N 89 DEG 39 MIN W 30 FT TO WLY R/W OF SD 4TH ST & POB TH CONT N 89 DEG 39 MIN W 281.28 FT TH N 00 DEG 21 MIN E 465.75 FT M/L PAR TO SD C/L OF 4TH ST TO S R/W LI OF STATE HWY # 5 TH S 69 DEG 18 MIN 10 SEC E 300 FT TO WLY R/W OF 4TH ST TH S 00 DEG 21 MIN W 361.44 FT TO POB ENCLOSED IN THE ABOVE IS L 13 B 19 J P STEWARTS 7TH ADD BLDG ONLY SEG F 0740

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Building Characteristics for 0420214808

11/04/2013 03:27 PM

Property Details		Taxpayer Details	
Parcel Number:	0420214808	**Taxpayer Name:**	K & A HOLDINGS LLC
Site Address:	400 RIVER RD	**Mailing Address:**	1502 RIVER RD PUYALLUP WA 98371-3875
Account Type:	Structures		
Category:	Leased Land and/or Structure		
Use Code:	5515-AUTO DLR NEW AND USED RETAIL		

Building ID: 1

1 building(s) on this parcel

General Characteristics

Property Type:	Commercial	**SF:**	329	**Fin. Attic SF:**	0
Condition:	Average	**Net SF:**	329	**Total Bsmnt. SF:**	392
Quality:	Low	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	502 / 710	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	New Auto Dealer	**Carport SF:**	0	**Fireplaces:**	0

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
Office Building	1965	1965	329	1	n/a	n/a	n/a	Wood Frame	n/a	Forced Air	0	0

Improvement Details

Detail Type	Detail Description	Units
Add On	WD 100 Sq Ft	105
Basement	Unfinished	392

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

Pierce County
WASHINGTON

Assessor-Treasurer electronic Property Information Profile

Recent Sales Activity for 0420214808

11/04/2013 03:30 PM

Property Details

Parcel Number:	0420214808
Site Address:	400 RIVER RD
Account Type:	Structures
Category:	Leased Land and/or Structure
Use Code:	5515-AUTO DLR NEW AND USED RETAIL

Taxpayer Details

Taxpayer Name:	K & A HOLDINGS LLC
Mailing Address:	1502 RIVER RD PUYALLUP WA 98371-3875

Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include all property transfer types. Recorded documents, accessed by name and date, can be found using the Pierce County Auditor's Recorded Document Search.

ETN	Parcel Count	Grantor	Grantee	Sale Price	Sale Date	Deed Type	Sale Notes	Confirmation
4261216	4	CMW INVESTMENTS LLC	K & A HOLDINGS LLC	3,200,000	05/24/2011	Statutory Warranty Deed		Unconfirmed
4164418	4	PARKS FAMILY LLC	CMW INVESTMENTS LLC	3,500,000	06/01/2007	Statutory Warranty Deed		Unconfirmed

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records request form and the cost to copy of $66.10 are required to obtain the records on CD. You may return the signed form and payment by mail or in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 253-798-3134.

Sales Search

Search Search for sales with characteristics similar to this property.

Pierce County Assessor-Treasurer
Mike Lonergan
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

APPROXIMATE SCALE IN FEET

800 0 800

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

CITY OF
PUYALLUP,
WASHINGTON
PIERCE COUNTY

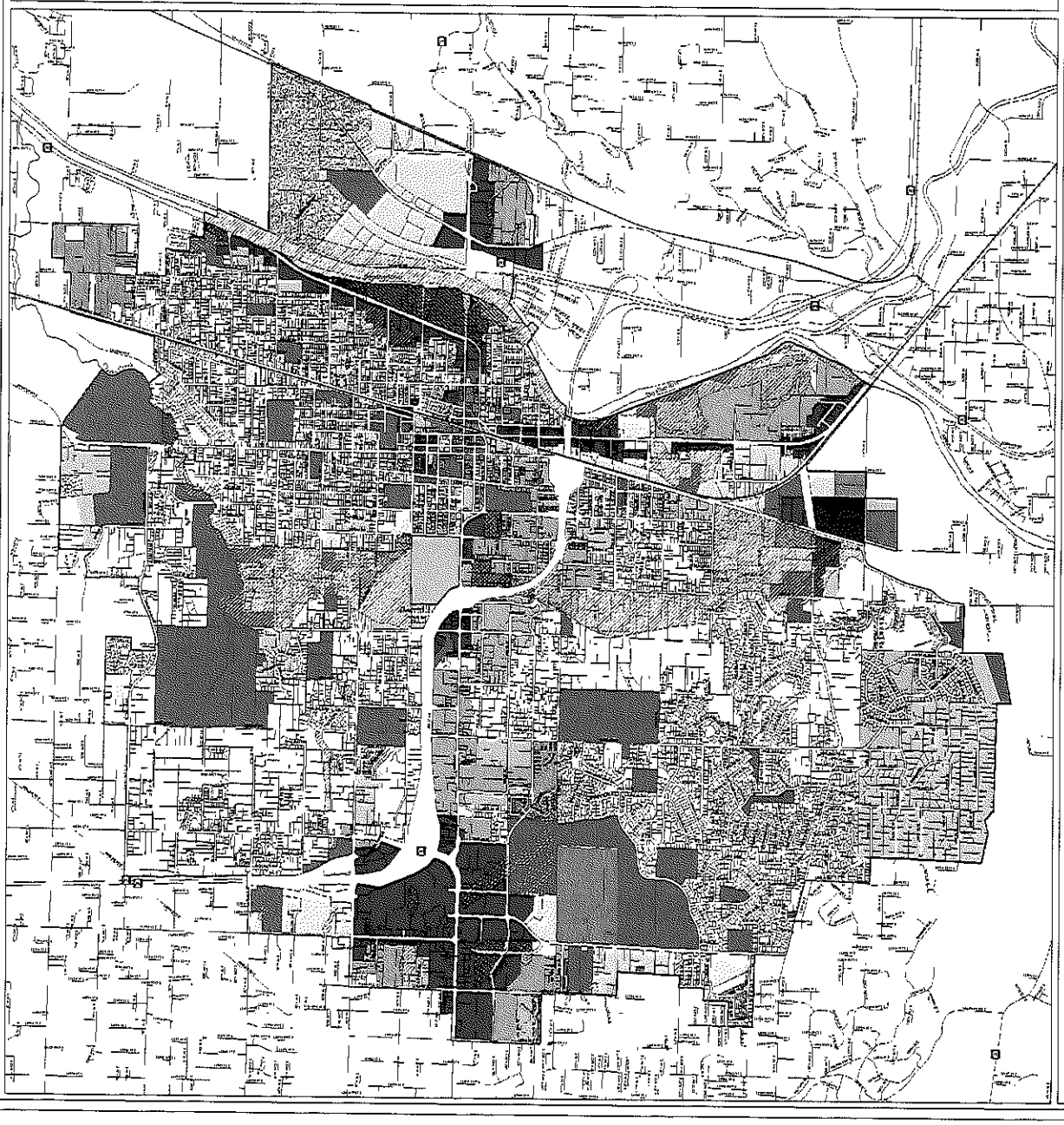
ONLY PANEL PRINTED
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
530144 0005 B

EFFECTIVE DATE:
AUGUST 15, 1980

Federal Emergency Management Agency

CITY OF PUYALLUP ZONING MAP



MAP LEGEND

- City Limits
- Agriculture Overlay
- Fair Parking Overlay
- Shaw-East Pioneer Overlay
- River Road Design Review Overlay
- Flood Plain (A Zone) Overlay
- Flood Plain (X500 Zone) Overlay
- OP - Professional Office
- CB - Community Business
- CBD - Central Business District
- CBD-CORE - Central Business District Core
- CG - General Commercial
- CL - Limited Commercial
- RMX - River Road Mixed Use
- CMX - Shaw-Pioneer Community Mixed Use
- ML - Limited Manufacturing
- MP - Business Park
- PDC - Planned Community Development
- PDR - Planned Residential Development
- RM-10 - Medium Density Multiple-Family Residential
- RM-20 - High Density Multiple-Family Residential
- RM-CORE - Downtown-Oriented High Density Multiple-Family Residential
- RS-04 - High Urban Density Single-Family Residential
- RS-06 - Urban Density Single-Family
- RS-08 - Medium Density Single-Family
- RS-10 - Low Urban Density Single-Family Residential
- RS-35 - Very Low Density Single-Family Residential
- PF - Public Facilities
- MED - Medical
- FAIR - Fair
- ARO - Agriculture, Recreation and Open Space

HR Properties on City of Puyallup's Historical Register

MUNICIPAL FACTS
Population: 37,020 (April 1, 2012)
Area: 14.22 Square Miles (July 1, 2013)

THIS IS AN OFFICIAL MAP.
Please contact the Planning
Division for site specific information.
Pierce County GIS is tax parcel data source.

Disclaimer:
The zoning lines are approximate and are intended only to provide an indication of land feature. Additional area that have not been surveyed may be present. This is not a survey. Subdivision and other data may not exist. The County and the City of Puyallup assumes no liability for variations encountered in actual survey. ALL DATA IS RESPONSIBLY PROVIDED "AS IS" AND "WITH ALL FAULTS". The County and City of Puyallup makes no warranty of fitness for a particular purpose.

0 1,000 2,000 4,000
Feet
1 " = 1,000 '

July 1, 2013

City of Puyallup
Information Technology
Department

N
W E
S

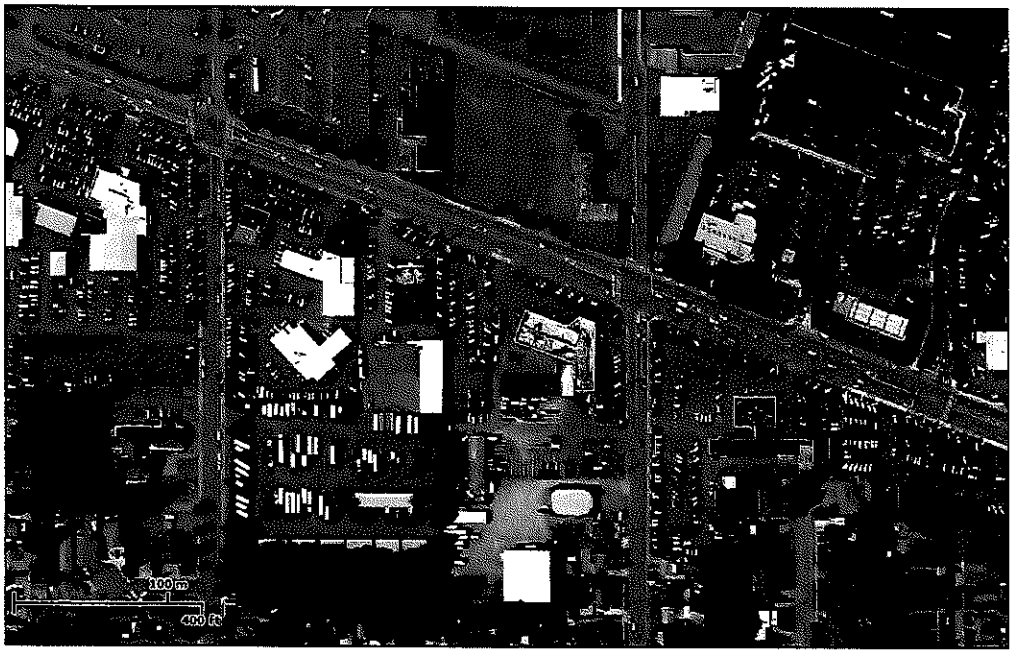
File Name: j:\ey\planning\zoning\zoning_c.mxd

U.S. Fish and Wildlife Service

National Wetlands Inventory

USFWS Wetland Map

Nov 3, 2013



Wetlands

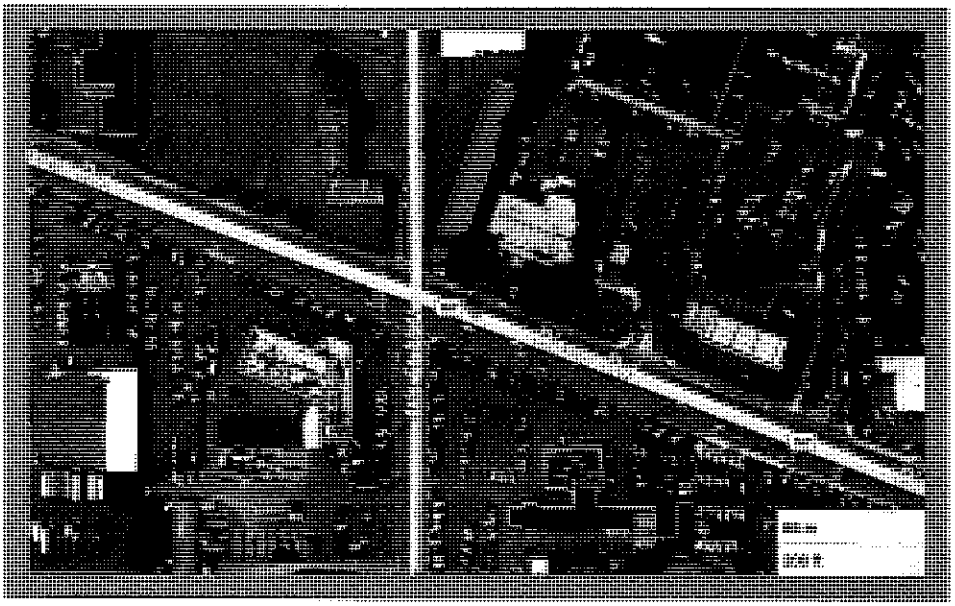
- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

400 River RoadPuyallup, WA 98731

Facility/Site: Greg Carters Puyallup Chev Subaru
68989278

Also known as: FRIENDLY CHEV OF PUYALLUP, Friendly Chevrolet, PUYALLUP CHEVROLET GEO SUBARU INC



Address

400 RIVER RD

Decimal Coordinates

Latitude: 47.19994

Longitude: -122.29846

PUYALLUP WA 98371

Geographic Information

Ecology Region: SWRO	Legislative District: 25	WRIA: 10
County: Pierce	Congressional District: 10	Tribal Land: No

Ecology Interactions

Interaction Description	Ecology Program	Ecology Program Phone	Program ID	Start Date	End Date
Local Source Control	HAZWASTE	(360) 407-6850		3/4/2009	4/29/2010
Underground Storage Tank	TOXICS	(360) 407-7224	97772	3/20/2000	5/6/2004
Hazardous Waste Generator	HAZWASTE	(360) 407-6023	WAD988484598	4/2/1991	12/31/2002

Industrial Codes (External Links Below)

NAICS Code	NAICS Description
44111	New Car Dealers

SIC Code	SIC Description
5511	NEW AND USED CAR DEALERS

13-111058.1

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

The following questionnaire is required by the new ASTM Standard E 1527-05, which adheres to the new All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the *"party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager."*

SUBJECT PROPERTY ADDRESS:	400 RIVER ROAD
SUBJECT PROPERTY CITY, STATE ZIP:	PUYALLUP, WA 98371

1. **Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25)**

   Are you aware of any environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state or local law?

   ☐ YES ☒ NO

2. **Activity and land use limitations that are in place on the site or that have been filed or records in a registry (40 CFR 312.26)**

   Are you aware of any activity and land use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Subject Property and/or have been filed or recorded in a registry under federal, tribal, state or local law?

   ☐ YES ☒ NO

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

   As the User of this report, do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or adjoining property?

   ☒ YES ☐ NO

4. **Relationship of the purchase price to the fair market value of the Subject Property if it were not contaminated (40 CFR 312.29)**

   Does the purchase price being paid for the Subject Property reasonably reflect the fair market value of the Subject Property? If so, why?

   ☒ YES ☐ NO

PARTNER

13-111058.1

5. **Commonly known or reasonably ascertainable information about the Subject Property (40 CFR 312.30)**
Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of release or threatened release?

☐ YES ☑ NO

---

a. Do you know the past uses of the Subject Property?

☑ YES ☐ NO

---

b. Do you know of specific chemicals that are present or once were present at the Subject Property?

☐ YES ☒ NO

---

c. Are you aware of any spills or other chemical releases that have taken place at the Subject Property?

☐ YES ☒ NO

---

d. Do you have any prior knowledge that the Subject Property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past?

☐ YES ☑ NO

---

e. Are you aware of historical use of hazardous materials or petroleum products used or present on the Subject Property?

☐ YES ☑ NO

---

f. Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks?

☐ YES ☑ NO

---

g. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the Subject Property by any owner or occupant of the Subject Property?

☐ YES ☒ NO

13-111058.1

6. **The degree of obviousness of the presence or likely presence of contamination at the Subject Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**
   As the User of this report, are there any obvious indicators that point to the presence or likely presence of contamination at the Subject Property based on your knowledge and experience related to the Subject Property?
   ☐ YES ☑ NO

Signature of User/Person Interviewed: N Pkey

Name of User/Person Interviewed: N Pkey

Title/Relationship to Subject Property: Owner

Phone Number/Email: 253-255-4603

Date: 10/24/13

Contact for additional information:

Name: _____

Relationship to Subject Property: _____

Phone Number/Email: _____

13-111058.1

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

1. PROPERTY INFORMATION:

Property Name:		
Property Address: 400 RIVER ROAD		
City PUYALLUP	State WA	Zip 98371
Assessor's Parcel Number 0420214808 & 0420214807		
Property Owner & Contact Information: K & A HOLDINGS, LLC		
Date Property Owner Purchased:		
Key Site Manager & Contact Information:		

2. COMPLETED BY

Signature	Date 10/24/13
Printed Name	Relation to Subject Property

3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? yes

(If yes, please provide copies)

4. PROPERTY DESCRIPTION

Property Size: 21,681 Number of Building(s): 8 -

Size of Building(s): 6,706 2,595 ±

Date of Construction: 1953

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail (Commercial) Industrial Office

Other: AUTOMOTIVE DEALERSHIP

Please provide Rent Roll if Applicable.

Historical Use of Property: auto dealers

PARTNER

13111058.1

5. Surrounding Property Uses

Direction	Use
North	Commercial/Vacant Parcel CCT
South	Moving & Storage
East	Automotive Dealers
West	Automotive Dealers

Are you aware of any potential environmental concerns associated with surrounding properties?

_____ YES _____X_____ NO

If yes, please describe: _____

6. Utilities & Services

Please provide the name of the utility or contractor providing the following:

Electric	PSE	Bio-hazardous Waste	NONE
Gas	PSE	Elevator Maintenance	NONE
Potable Water	City	Used Grease	Contractor
Sanitary Sewer	City of Puyallup	Hazardous Waste	Environmental Control

7. On Site Operations

Are you aware of any of the following conditions, either past or present, on the property?		
Condition	Response	If yes, please describe
1. Stored Chemicals	☐ Yes ☐ No	Semi detail + used oil work
2. Underground Storage Tanks	☐ Yes ☒ No	
3. Aboveground Storage Tanks	☐ Yes ☒ No	
4. Spills or Releases	☐ Yes ☒ No	
5. Dump Areas/Landfills	☐ Yes ☒ No	
6. Waste Treatment Systems	☒ Yes ☐ No	
7. Clarifiers/Separators	☒ Yes ☐ No	
8. Vents/Odors	☐ Yes ☒ No	
9. Floor Drains/Sumps	☒ Yes ☒ No	
10. Stained Soil	☐ Yes ☒ No	
11. Electrical Transformers	☐ Yes ☒ No	
12. Hydraulic Lifts/Elevators	☒ Yes ☐ No	
13. Dry Cleaning Operations	☐ Yes ☒ No	
14. Oil/Gas/Water/Monitoring Wells	☐ Yes ☒ No	
15. Environmental Permits	☒ Yes ☐ No	

APPENDIX D: QUALIFICATIONS

PARTNER

Daniel Stallings, REPA

Project Manager

PARTNER
Engineering and Science, Inc.

Education

CSWK Project Management-American Intercontinental University
B.S. Environmental Science-Regis University
Certificate Meteorology/Oceanography- Naval Technical Training Unit Keesler
ASF Military Sciences- US Naval ASF Academy at University of Maryland

Registrations

Registered Environmental Property Assessor-National Registry of Environmental Professionals
Certified Testing Specialist-Environmental Assessment Association
Certified Environmental Inspector-Environmental Assessment Association
AHERA Certified Building Inspector-AHERA
Licensed Asbestos Abatement Consultant-NV Occupational Safety & Health Administration
Certified Ultra Trace Element Analyst-FL Department of Environmental Protection
OSHA Certifications Hazardous Materials Operations Certified-OSHA (29CFR1910.120 & 1926.65 HAZWOPER)
Registered Environmental Assessor-CA Department of Toxic Substance Control
EPA Lead Paint Inspector-U.S. Environmental Protection Agency
SLAC50 Safety Certified Contractor

Summary of Professional Experience

Mr. Stallings has 14 years of experience in the environmental, engineering, and/or industrial hygiene service industries. He has significant experience in due diligence assessments for a variety of property types and the needs and requirements of varied number of reporting standards, including ASTM standards, EPA's All Appropriate Inquiry (AAI), and customized client formats. Specifically, Mr. Stallings has performed Phase I Environmental Site Assessments, Environmental Transaction Screens, Phase II and III Subsurface Investigations, Remediation Projects, Regulatory Compliance Assessments, Asbestos Surveys, Lead-based Paint Surveys, Radon Studies, Mold Assessments, and Lead-in-water sampling and analysis.

Mr. Stallings has completed numerous ASTM Environmental Site Assessments for a diverse variety of properties and purposes across the United States. These properties have included communications facilities, military and government facilities, vacant lots, industrial facilities, commercial agricultural tracts, commercial properties, retail facilities, educational facilities and multi-family residential properties.

Mr. Stallings has served as a project scientist on multiple environmental projects involving dredging and turbidity, regulatory permitting, flood water diversion and wetland assessment. He has worked on Florida Everglades restoration/reclamation projects, coastal erosion assessments and engineered wetland projects.

Mr. Stallings served as a project scientist on multiple projects across the United States involving soil and ground water remediation for industrial facilities including several Federal and State

managed remediation projects. He has provided expertise in monitoring well design, environmental drilling, contamination plume delineation, free product and vapor recovery, site specific testing plans, analytical data interpretation and quality control.

Mr. Stallings served as an environmental consultant and environmental work site supervisor on multiple commercial construction projects across the United States involving the dewatering of impacted groundwater and the excavation of impacted soils. He has provided expertise in site worker health and safety and in impacted soil & groundwater management.

In addition to environmental assessments, Mr. Stallings has prepared and managed numerous NEPA consultation projects, compliance audits, biological assessments and other various environmental assessments for telecommunications sites. Mr. Stallings has helped various clients facilitate the Section 106 / environmental review process to ensure compliance with Federal Communications Commission (FCC) requirements under the National Environmental Policy Act (NEPA).

Mr. Stallings served as a senior field technician, an analytical chemist, a data quality officer and a laboratory manager at a NELAP certified facility for over five years. He specialized in long-term soil and ground water monitoring, agrichemical, petrochemical and metals analysis. Mr. Stallings has extensive academic and hands on training and is certified as an Environmental Field Technician by the Florida Department of Environmental Protection. Additionally, he is certified in ultra-trace sampling procedures and analysis.

Mr. Stallings served in the United States Navy as a member of the U.S. Mobile Environmental Team and on the United States Armed Forces Expeditionary Team as an active duty scientist for over five years. During this period, he responded to the Navy's environmental emergencies both nationally and abroad containing hazardous materials spills associated with military activity in accordance with NAVOSH. Additionally, Mr. Stallings installed, monitored & maintained remote meteorological, geological & oceanographic monitoring equipment. Mr. Stallings continued military service in the U.S. Naval Reserve as a Meteorologist for the USS John F. Kennedy Carrier Group for an additional three years.

Finally, Mr. Stallings' diversity across residential, agricultural, industrial, natural, municipal, and commercial environments is a major contribution to Partner Engineering and Science's team in the Pacific Northwest region of the United States.

Lyly Churchill, REA
Senior Project Manager

PARTNER
Engineering and Science, Inc.

Education
M.A. Environmental Studies, Brown University
B.S. Biology, University of California, Los Angeles - Emphasis in Ecology, Behavior and Evolution

Registrations
California Registered Environmental Assessor (REA I –08070)
EPA Accredited Asbestos Inspector
California Underground Storage Tank Inspector

Summary of Professional Experience

Ms. Churchill has eight years of experience in the environmental service industry. Ms. Churchill's background in environmental science and direct experience in environmental consulting and enforcement allow her to offer the most effective means of regulatory compliance.

Ms. Churchill has project experience in Phase I Environmental Site Assessments (ESAs), Environmental Transaction Screens, radon screening, asbestos inspections, and lead-based paint inspections. In addition, Ms. Churchill has project management experience in Property Condition Assessments, Physical Needs Assessments, seismic evaluations and ALTA surveys. Ms. Churchill is familiar with all aspects of Due Diligence Property Assessments and the needs and requirements of a varied number of reporting standards, including ASTM, EPA's All Appropriate Inquiry (AAI), U.S. Small Business Administration's (SBA) SOP 50 10, Fannie Mae DUS, Freddie Mac, HUD, and customized client formats.

Ms. Churchill has performed and supervised over 1,000 Phase I Environmental Site Assessments and Environmental Transaction Screens for lenders and buyers. As a senior member of the Due Diligence staff, Ms. Churchill provides senior review expertise to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments and Environmental Transaction Screens.

Furthermore, Ms. Churchill has working experience in performing biological and noise assessments, and in preparing and reviewing environmental documentation in support of CEPA and NEPA.

While in graduate school, Ms. Churchill's Masters Thesis research focused on evaluating the potential of Japanese Knotweed (an invasive plant species) as an effective phytoremediator of heavy metal contaminated soils along a historically polluted river in Rhode Island. Phytoremediation refers to the natural ability of certain plants called hyperaccumulators to

bioaccumulate contaminants in soil. Hyperaccumulators can be grown and harvested economically, leaving the soil with a greatly reduced level of toxic contamination.

Project experience for Ms. Churchill includes:

- Completed hundreds of Phase I Environmental Site Assessments and Environmental Transaction Screens on multi-family properties, commercial office buildings, retail shopping centers, gasoline service stations, hotels, dry cleaning plants, auto repair and auto body shops, industrial warehouse buildings, aerospace manufacturers, plating facilities, and various manufacturing operations throughout the U.S.
- Reviewed and evaluated hundreds of third-party Phase I, Phase II and Phase III reports
- Managed Phase I and PCA portfolio projects involving properties throughout the United States, including large apartment complexes and shopping malls
- Assisted on several Phase II investigations of gasoline service stations, dry cleaning facilities and industrial sites
- Conducted several asbestos and lead-based paint inspections of commercial and residential properties
- Performed water sampling on several residential properties to detect the presence of lead in water
- Conducted radon testing at several residential properties throughout Southern California and Nevada
- Conducted biological surveys including endangered species surveys, and performed research on historical, physical and cultural resources in support of Environmental Impact Reports

Ms. Churchill worked for the City of El Segundo, where she regularly collaborated with other local CUPAs to ensure compliance with State and Federal regulations. Ms. Churchill's responsibilities included implementing and enforcing elements of the CUPA program including the following: hazardous waste generator program; underground storage tank program; Hazardous Material Release Response Plan (Business Plan) Program and the California Accidental Release Response Plan (CalARP) Programs. Ms. Churchill also worked on enforcing city specific environmental programs such as Stormwater Pollution Prevention and Industrial Wastewater Discharge. As the Principal Environmental Specialist for the City, Ms. Churchill worked with large industries such as Chevron, Northrop Grumman, Boeing and International Rectifier to ensure regulatory compliance pertaining to business operations and remedial activities.

Ms. Churchill has technical experience working for the following financial institutions:

- JPMorgan Chase
- Citigroup Global Markets
- Wells Fargo Bank
- California Bank and Trust
- Union Bank of California
- East West Bank
- Comerica Bank
- Northmarq Capital
- Morgan Stanley Mortgage Capital, Inc.
- Bank of America

APPENDIX C

PHOTOGRAPHS

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 1	Date: 12/20/2019

Direction Photo Taken:

Southeast

Description:

Main Building - Showroom area.

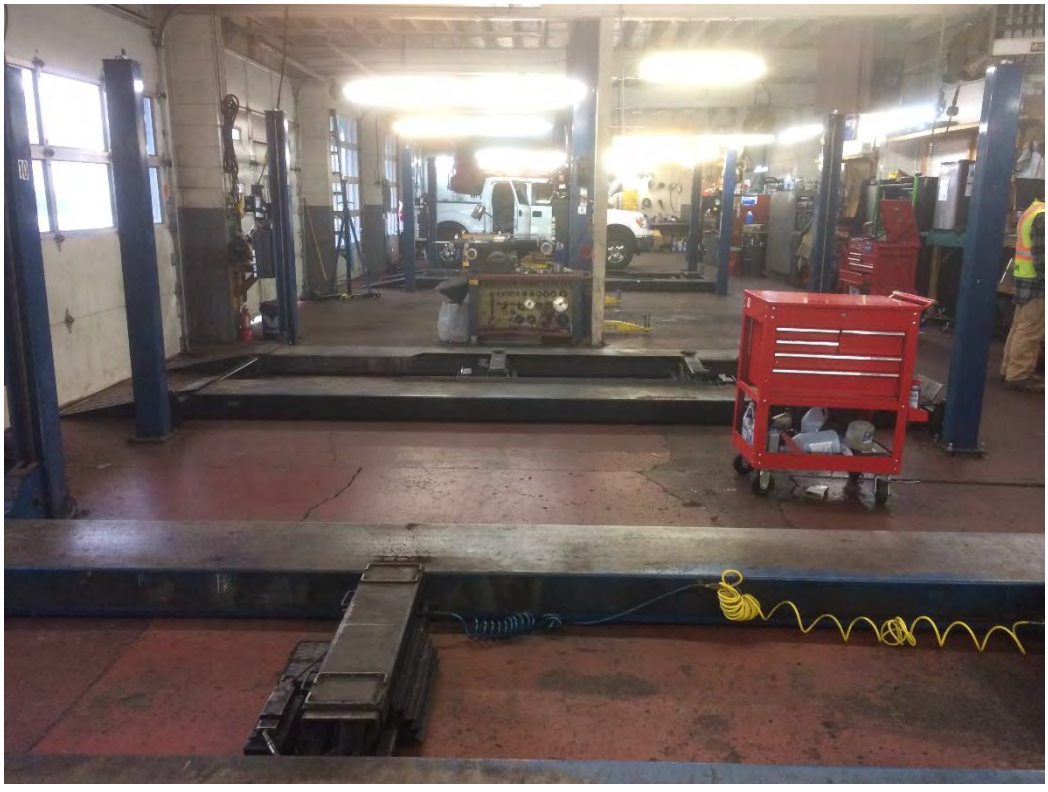
Photo No. 2	Date: 12/20/2019

Direction Photo Taken:

General View

Description:

North Shop- 7 Service bays currently with above ground hoists, and three ASTs containing new and used engine oil. Services include general vehicle maintenance.



AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 3	Date: 12/20/2019

Direction Photo Taken:

West

Description:

South Shop, includes 8 services bays, currently with above ground hoists, and two ASTs containing engine oil. Services include general vehicle maintenance and repair. Patches on floor represent former in ground hydraulic hoist locations.

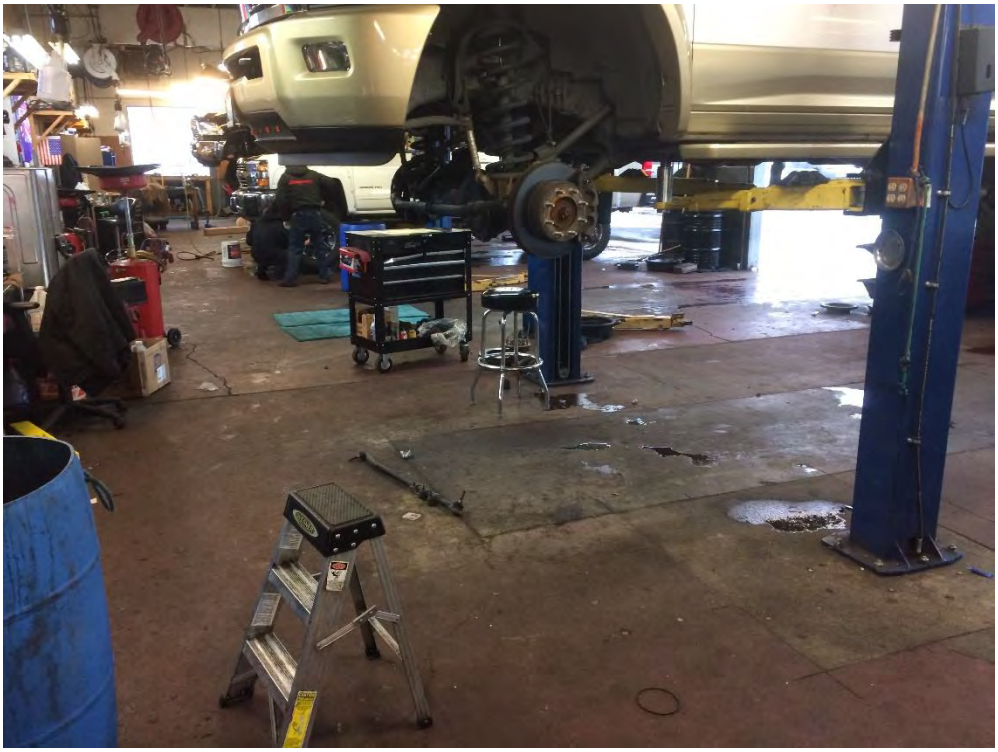


Photo No. 4	Date: 12/20/2019

Direction Photo Taken:

Northwest

Description:

Lower Shop, includes 3 vehicle services bays, a tire bay on the north end, and a room on the south end containing two oil ASTs and a compressor.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 5	Date: 12/20/2019

Direction Photo Taken:

South

Description:

Covered vehicle wash bay area. Surrounding wash bay includes sump pump, Oil-Water- Separator, and some chemicals for cleaning vehicles.

Photo No. 6	Date: 12/20/2019

Direction Photo Taken:

East

Description:

Building adjacent to the wash bay, containing multiple drums of vehicle washing chemicals.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 7	**Date:** 12/20/2019

Direction Photo Taken:

Northwest

Description:

North Shop, Bay 15, large floor cut may be associated with former in ground hoists.

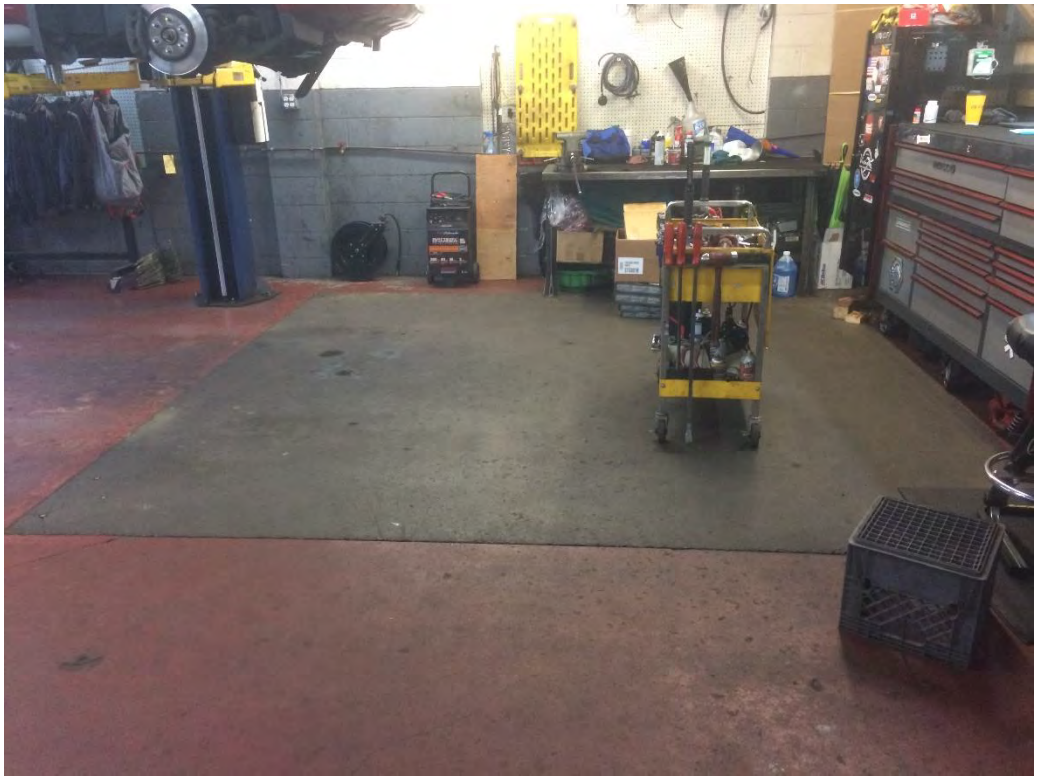


Photo No. 8	**Date:** 12/20/2019

Direction Photo Taken:

North

Description:

North Shop, Bay 9, floor cut which is indicative of apparent former In-ground Hoist.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 9	**Date:** 12/20/2019
Direction Photo Taken: Northwest	
Description: North Shop, near bay 12 is a used oil AST, approximately 465 gallons	

Photo No. 10	**Date:** 12/20/2019
Direction Photo Taken: North	
Description: North Shop, near bay 12 is a new oil AST, approximately 465 gallons	

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 11	Date: 12/20/2019

Direction Photo Taken:

North

Description:

South Shop, bay 7, patched floor from where former in-ground hoist system was reportedly removed.

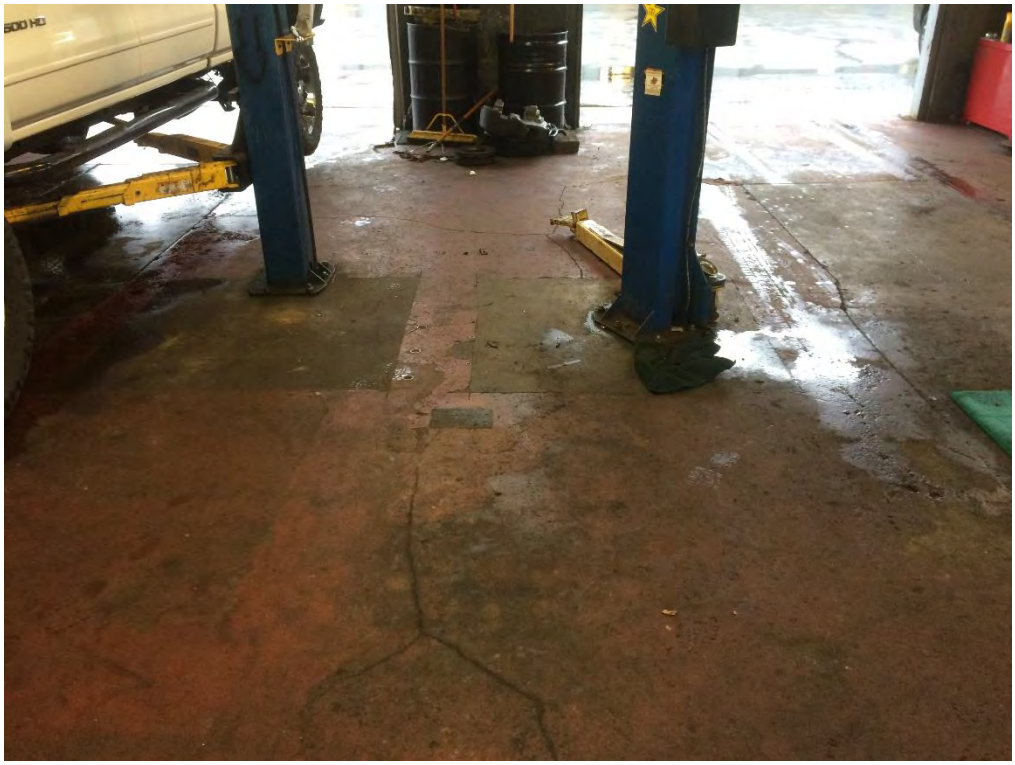
Photo No. 12	Date: 12/20/2019

Direction Photo Taken:

North

Description:

South Shop, in-between bay 5 and bay 6 has patched floors where hoist systems presumably were located in the past. Interview with employee noted this shop historically had in-ground hoist systems for vehicle maintenance.



AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 13	**Date:** 12/20/2019

Direction Photo Taken:

Southwest

Description:

South Shop, ASTS containing new motor oil, approximately 465 gallons each.

Photo No. 14	**Date:** 12/20/2019

Direction Photo Taken:

South

Description:

South Shop, near bay 1 which has the widest floor crack noted in shops. Multiple cracks this size near bay 1.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 15	Date: 12/20/2019

Direction Photo Taken:

East

Description:

South Shop, near bay 1 there is an apparent exhaust duct in northeast corner.

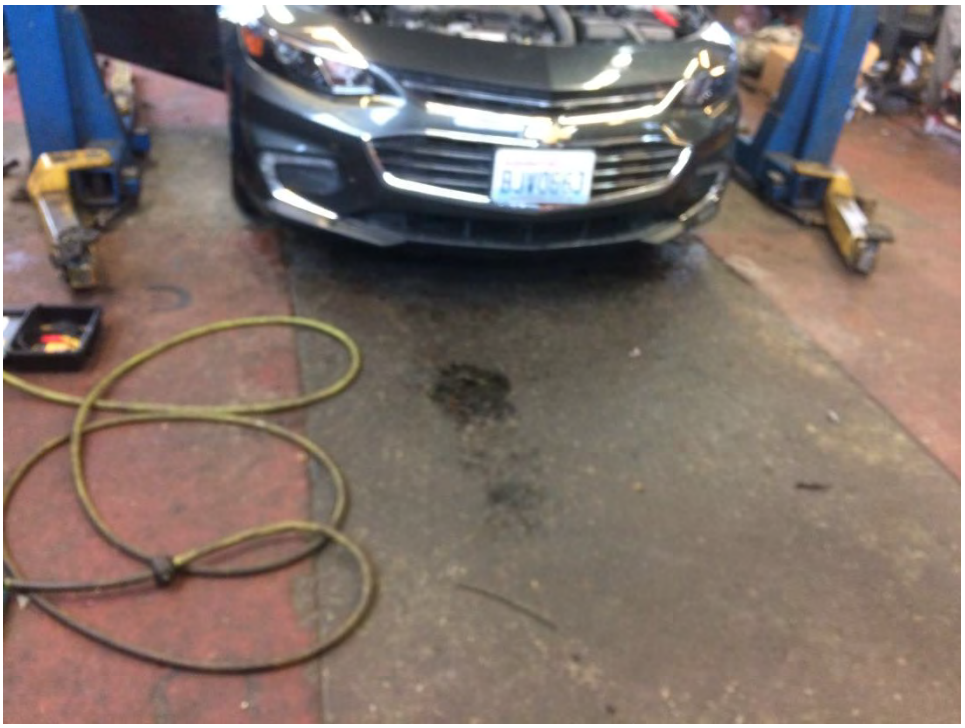
Photo No. 16	Date: 12/20/2019

Direction Photo Taken:

North

Description:

South Shop, bay 8, patched floor from where former in-ground hoist system was reportedly removed.



AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 17	Date: 12/20/2019

Direction Photo Taken:

South

Description:

Lower shop general overview of service bays.

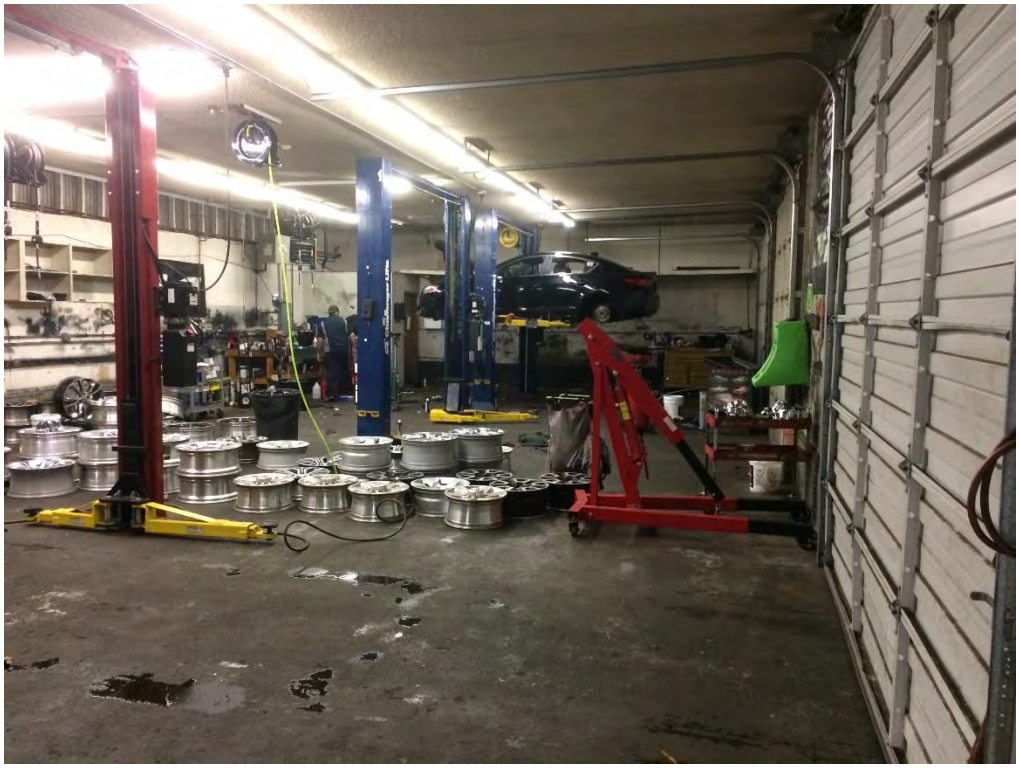


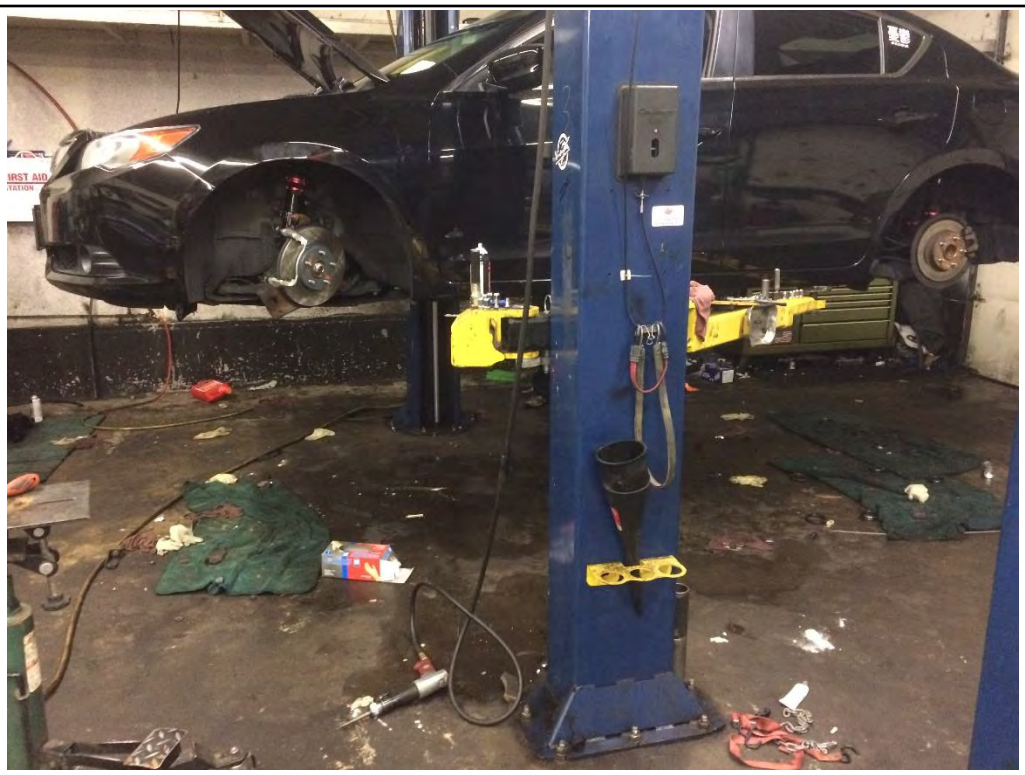
Photo No. 18	Date: 12/20/2019

Direction Photo Taken:

South

Description:

Lower shop furthest south service bay. Noteably stained and cluttered. Unable to discern whether heavily stained or just wet from vehicle recently moved indoors and dripping from rain.



AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 19	**Date:** 12/20/2019

Direction Photo Taken:

East

Description:
Lower Shop, south room where ASTs for new motor oil are located. Back room is used as miscellaneous storage and for ASTs and Compressors. Equipment is used for service bays in connecting building.

Photo No. 20	**Date:** 12/20/2019

Direction Photo Taken:

East

Description:

Lower shop, back room where compressors for service bays are located. Compressors are across the room from ASTs.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 21	Date: 12/20/2019

Direction Photo Taken:

South

Description:

Lower Shop - Tire bay located in north portion of building. No hose supplied oil coming to this bay, only compressed air for tires.

Photo No. 22	Date: 12/20/2019

Direction Photo Taken:

Southeast

Description:

West wall of wash area where OWS shed and sump pump are located.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 23	**Date:** 12/20/2019

Direction Photo Taken:

South

Description:

OWS with coalescing plates. Electrical plug in heater presumably on at all times in the back right corner of shed.

Photo No. 24	**Date:** 12/20/2019

Direction Photo Taken:

East

Description:

West side of wash area, where a manhole with a sump pump is located and actively running pumping water out to the sewer system. Unknown whether bypassing OWS.

AECOM	PHOTOGRAPHIC LOG	
RFJ Auto Partners	**Site #3 – 400 & 500 River Road** **Puyallup, Washington**	**AECOM Project No.:** 60620698 **Date:** 12/20/2019

Photo No. 25	**Date:** 12/20/2019
Direction Photo Taken: N/A	
Description: Sump pump interior on west side of wash area.	

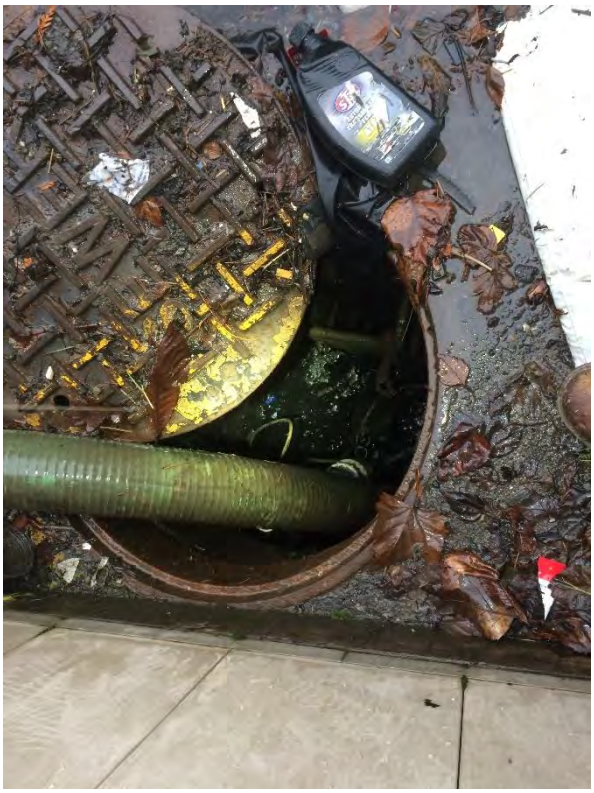


Photo No. 26	**Date:** 12/20/2019
Direction Photo Taken: East	
Description: Assortment of drums containing washing chemicals.	

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 27	Date: 12/20/2019

Direction Photo Taken:

Northeast

Description:

Vehicle wash chemical storage area, heavily stained concrete floor.

Photo No. 28	Date: 12/20/2019

Direction Photo Taken:

West

Description:

Vehicle wash chemical storage area showing heavily etched concrete floor from exposure to wash chemicals.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 29	Date: 12/20/2019

Direction Photo Taken:

Northeast

Description:

Storm catch basin that reportedly is a dry well and not connected to the storm sewer. Located at SE corner of main building, in front of entrance to storage area beneath the parking deck on east side of main building.

Photo No. 30	Date: 12/20/2019

Direction Photo Taken:

North

Description:

View from approximate location to which storm catch basin discharges. Retaining wall separating the upper eastern parking lot from the lower lot.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 31	Date: 12/20/2019

Direction Photo Taken:

Northeast

Description:

South wall of South Shop. Area of former waste-oil USTs located adjacent to the south shop, which is now used for parking vehicles and is asphalt.

Photo No. 32	Date: 12/20/2019

Direction Photo Taken:

North

Description:

Suspected location of closed in place heating-oil UST. Records indicate a UST was located approximately where the compressors are underneath the awning.

AECOM	PHOTOGRAPHIC LOG

RFJ Auto Partners	Site #3 – 400 & 500 River Road Puyallup, Washington	AECOM Project No.: 60620698 Date: 12/20/2019

Photo No. 33	Date: 12/20/2019

Direction Photo Taken:

N/A

Description:

Inside main building north of current compressor location. Two apparent fuel oil pipes that were possibly previously connected to former heating-oil UST underneath compressor awning.

Photo No. 34	Date: 12/20/2019

Direction Photo Taken:

N/A

Description:

Inside main building north of current compressor location. General view of piping associated with former heating oil UST. Records indicate a UST was located approximately where the compressors are underneath the awning.

APPENDIX D

EDR ENVIRONMENTAL DATABASE REVIEW REPORT

Appendix B

Soil Boring Logs

hart hickman SMARTER ENVIRONMENTAL SOLUTIONS	**Client:** Sonic Automotive **Project:** NWMS Puyallup (SAI-413) **Address:** 400 River Road, Puyallup, WA	**BORING LOG** **Boring No.** SB-3R **Page:** 1 of 1

Drilling Start Date:	**8/15/24**	Boring Depth (ft):	**20.0**
Drilling End Date:	**8/15/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab, Direct Push**
Drilling Method:	**Hand Auger (HA), Direct Push (DP)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger, GeoProbe**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete (0.33') Stone	0.6		0
				DP			1.00	(2') As Above	1.0		
5				DP			2.50	(5') As Above			5
								(6') Poorly graded SAND (SP); mostly fine grained sand, some silt, loose, moist, brown	1.0	SB-3R (6-8)	
									0.9		
10				DP				(10') As Above	1.2	SB-3R (10-12)	10
									1.3		
15				DP				(14') Well-graded SAND (SW); mostly coarse grained sand, some silt, loose, moist, brown (15') As Above (17') As Above	0.9	SB-3R (14-26)	15
20								(20') Boring terminated			20
25											25

NOTES: Borehole cleared by hand via Hand Auger (HA) to 0 ft to 2.5 ft bgs. Hit refusal with HA at 2.5 ft bgs. Borehole advanced via Direct Push (DP) from 2.5 ft to 20 ft bgs. Samples SB-3R (6-8), SB-3R (10-12), and SB-3R (14-16) collected at 15:00 and analyzed for VOCs and semi-volatile petroleum products.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic Automotive**	**BORING LOG**	
Project:	**NWMS Puyallup (SAI-413)**	**Boring No.**	**SB-5R**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 1**

Drilling Start Date:	**8/14/24**	Boring Depth (ft):	**4.5**
Drilling End Date:	**8/14/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab**
Drilling Method:	**Hand Auger (HA)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	

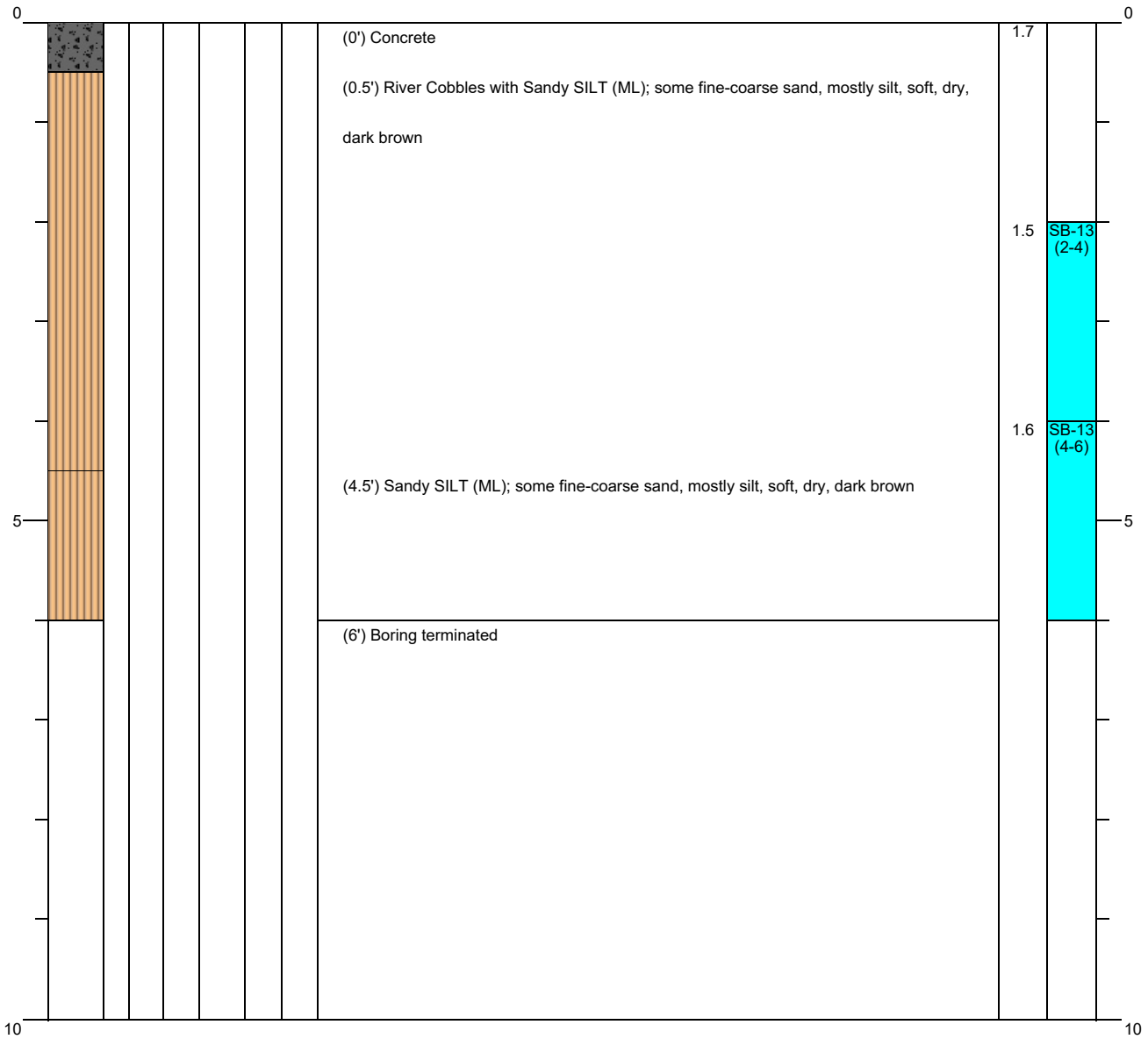
DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete	0.7		0
								(0.5') River Cobbles with Sandy SILT (ML); some fine-coarse sand, mostly silt, soft, dry, dark brown	0.3	SB-5R (2-4)	
									0.1	SB-5R (4-4.5)	
5								(4.5') Boring terminated			5
10											10

NOTES: Borehole cleared by hand via Hand Auger (HA) to 4.5 ft bgs. Hit refusal at 4.5 ft bgs, so boring was terminated. Samples SB-5R (2-4) and SB-5R (4-4.5) collected at 12:30 and analyzed for VOCs and semi-volatile petroleum products.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic Automotive**	**BORING LOG**	
Project:	**NWMS Puyallup (SAI-413)**	**Boring No.**	**SB-13**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 1**

Drilling Start Date:	**8/14/24**	Boring Depth (ft):	**6.0**
Drilling End Date:	**8/14/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab**
Drilling Method:	**Hand Auger (HA)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	

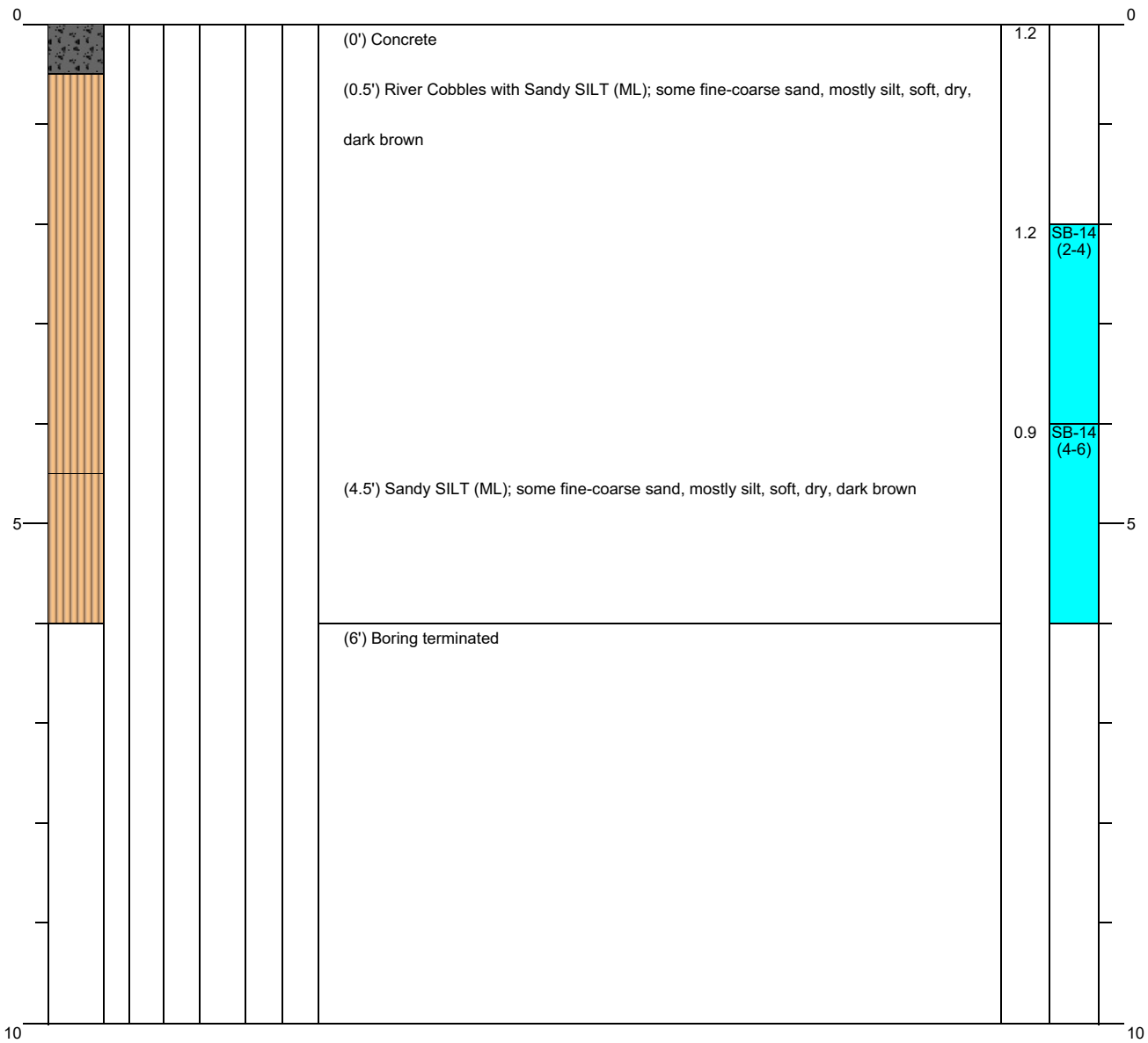


NOTES: Borehole cleared by hand via Hand Auger (HA) to 6 ft bgs. Samples SB-13 (2-4) and SB-13 (4-6) collected at 13:25 and analyzed for VOCs and semi-volatile petroleum products.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic Automotive**	**BORING LOG**	
Project:	**NWMS Puyallup (SAI-413)**	**Boring No.**	**SB-14**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 1**

Drilling Start Date:	**8/14/24**	Boring Depth (ft):	**6.0**
Drilling End Date:	**8/14/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab**
Drilling Method:	**Hand Auger (HA)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	

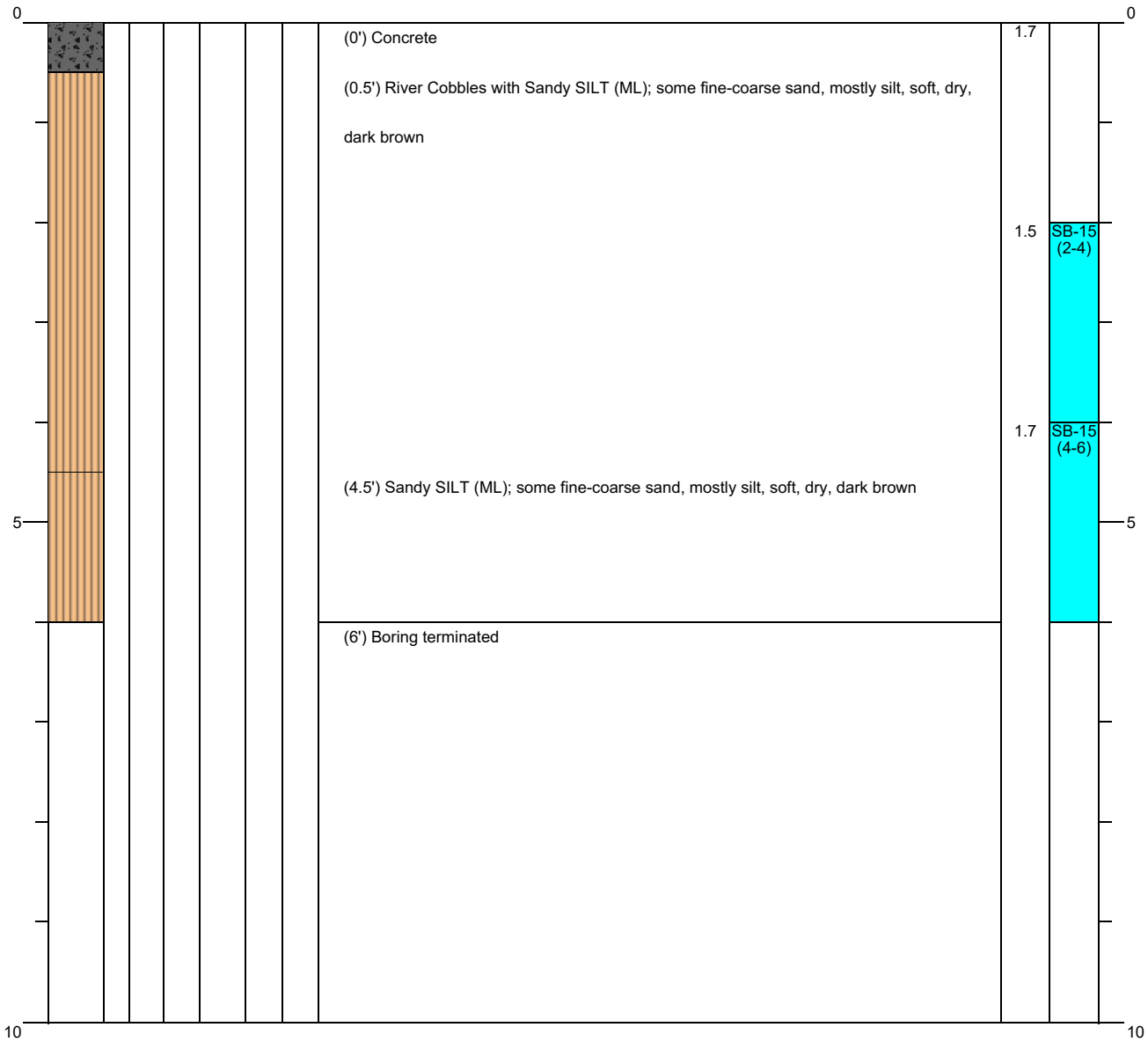


NOTES: Borehole cleared by hand via Hand Auger (HA) to 6 ft bgs. Samples SB-14 (2-4) and SB-14 (4-6) collected at 14:00 and analyzed for VOCs and semi-volatile petroleum products.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic Automotive**	**BORING LOG**	
Project:	**NWMS Puyallup (SAI-413)**	**Boring No.**	**SB-15**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 1**

Drilling Start Date:	**8/14/24**	Boring Depth (ft):	**6.0**
Drilling End Date:	**8/14/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab**
Drilling Method:	**Hand Auger (HA)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	



NOTES: Borehole cleared by hand via Hand Auger (HA) to 6 ft bgs. Samples SB-15 (2-4) and SB-15 (4-6) collected at 15:20 and analyzed for VOCs and semi-volatile petroleum products.

hart hickman SMARTER ENVIRONMENTAL SOLUTIONS	**Client:** Sonic Automotive **Project:** NWMS Puyallup (SAI-413) **Address:** 400 River Road, Puyallup, WA	**BORING LOG** **Boring No.** SB-16 **Page:** 1 of 1

Drilling Start Date:	**8/14/24**	Boring Depth (ft):	**20.0**
Drilling End Date:	**8/15/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab, Direct Push**
Drilling Method:	**Hand Auger (HA), Direct Push (DP)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger, GeoProbe**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	

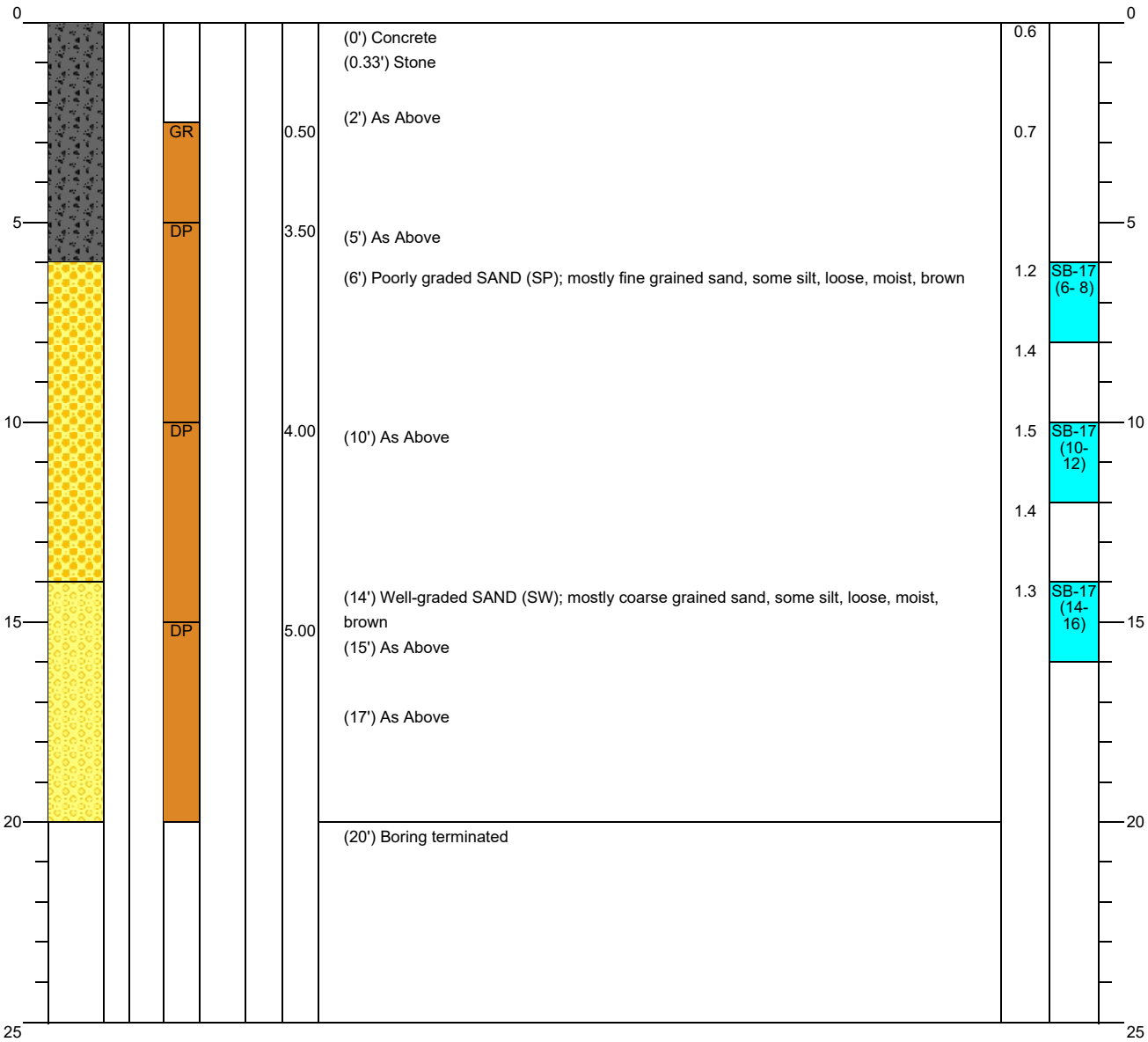
DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete	1.8		0
								(0.33') Stone			
				GR				(2') Stone			
5				DP			4.00	(5') Stone			5
								(6') Poorly graded SAND (SP); mostly fine grained sand, some silt, loose, moist, brown	1.3	SB-16 (6-8)	
									1.2		
10				DP			3.00	(10') As Above	1.3	SB-16 (10-12)	10
									1.3		
								(14') Well-graded SAND (SW); mostly coarse grained sand, some silt, loose, moist, brown	1.0	SB-16 (14-16)	
15				DP			4.00	(15') As Above: GW at 16.8' in MW-1			15
								(17') As Above			
20								(20') Boring terminated			20
25											25

NOTES: Borehole cleared by hand via Hand Auger (HA) to 0 ft to 2 ft bgs. Hit refusal with HA between 0 ft and 2 ft bgs; pieces/chunks of rock fractured and pulled out by hand down to 5 ft bgs. Borehole advanced via Direct Push (DP) from 5 ft to 20 ft bgs. Samples SB-16 (6-8), SB-16 (10-12), and SB-16 (14-16) collected at 09:00 and analyzed for VOCs and semi-volatile petroleum products.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic Automotive**	**BORING LOG**	
Project:	**NWMS Puyallup (SAI-413)**	**Boring No.**	**SB-17**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 1**

Drilling Start Date:	**8/15/24**	Boring Depth (ft):	**20.0**
Drilling End Date:	**8/15/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab, Direct Push**
Drilling Method:	**Hand Auger (HA) Direct Push (DP)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger, GeoProbe**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	

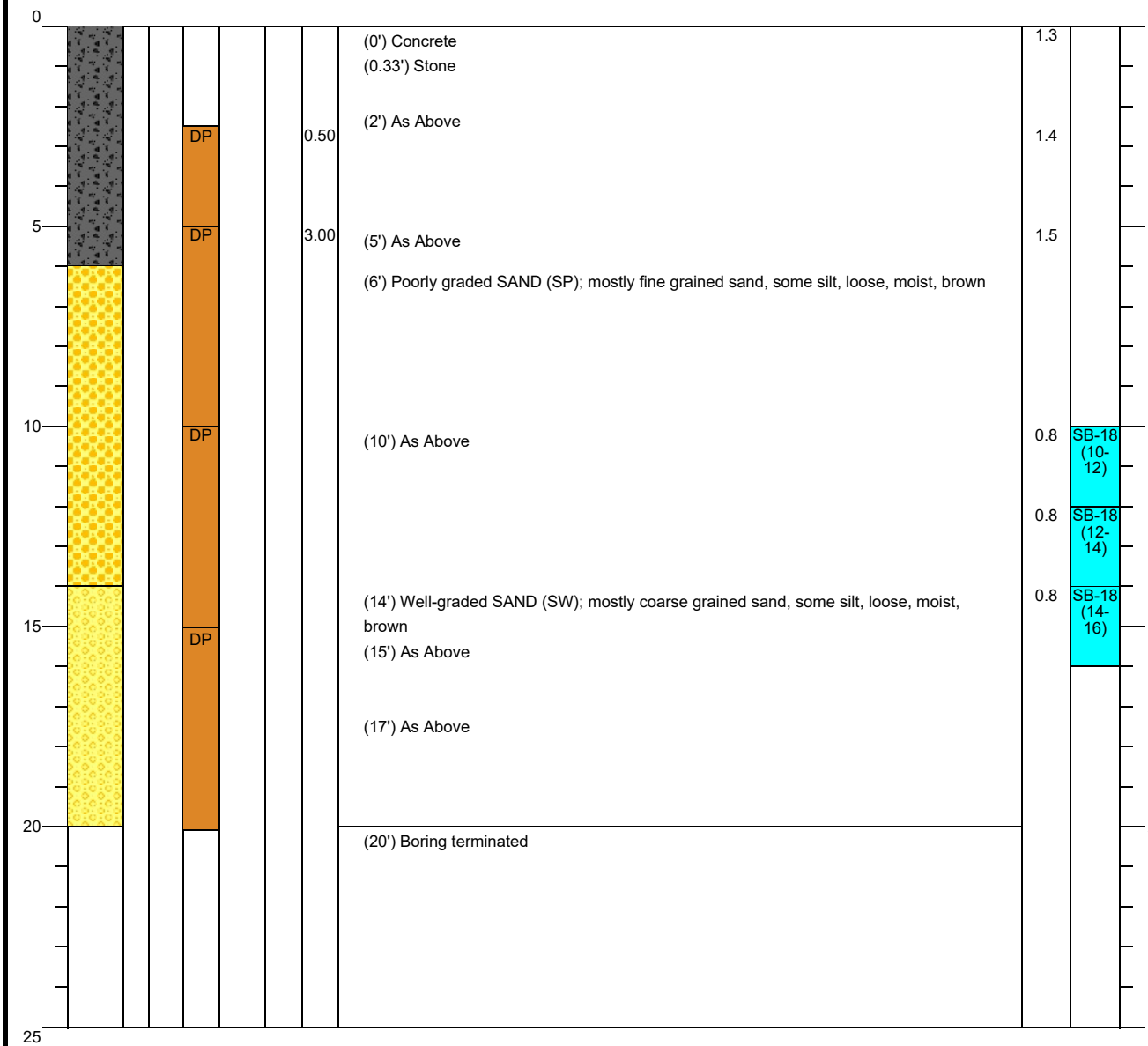


NOTES: Borehole cleared by hand via Hand Auger (HA) to 0 ft to 2.5 ft bgs. Hit refusal with HA at 2.5 ft bgs. Borehole advanced via Direct Push (DP) from 2.5 ft to 20 ft bgs. Samples SB-17 (6-8), SB-17 (10-12), and SB-17 (14-16) collected at 11:15 and analyzed for VOCs and semi-volatile petroleum products.

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Client:	**Sonic Automotive**	**BORING LOG**	
Project:	**NWMS Puyallup (SAI-413)**	**Boring No.**	**SB-18**
Address:	**400 River Road, Puyallup, WA**	**Page:**	**1 of 1**

Drilling Start Date:	**8/15/24**	Boring Depth (ft):	**20.0**
Drilling End Date:	**8/15/24**	Boring Diameter (in):	**2.25**
Drilling Company:	**Steadfast Drilling Service**	Sampling Method(s):	**Grab, Direct Push**
Drilling Method:	**Hand Auger (HA) Direct Push (DP)**	DTW During Drilling (ft):	
Drilling Equipment:	**Hand Auger, GeoProbe**	DTW After Drilling (ft):	
Driller:		Ground Surface Elev. (ft):	
Logged By:	**TGS**	Location (X,Y):	



NOTES: Borehole cleared by hand via Hand Auger (HA) to 0 ft to 2.5 ft bgs. Hit refusal with HA at 2.5 ft bgs. Borehole advanced via Direct Push (DP) from 2.5 ft to 20 ft bgs. Samples SB-18 (10-12), SB-18 (12-14), and SB-18 (14-16) collected at 13:30 and analyzed for VOCs and semi-volatile petroleum products.

Appendix C
Field Sampling Forms

INDOOR AIR BUILDING SURVEY
and SAMPLING FORM

Site Name: Northwest Motorsports Site ID#: _____

Preparer's name: Tyler Schulz Date: 8/16/24

Preparer's affiliation: Hart & Hickman, P.C. Phone #: (704) 586-0007

Part I - Occupants

Building Address: 400 River Road, Puyallup, WA

Property Contact: Tim Hallice Owner / Renter / other: Owner

Contact's Phone: home ( )_____ work (704) 566-2414 cell ( )_____

# of Building occupants: Children under age 13 0 Children age 13-18 0 Adults 0

Part II – Building Characteristics

Building type: Commercial

Describe building: Former Auto Dealership Year constructed: _____

Sensitive population: None Other (specify): _____

Number of floors below grade: 1

Number of floors at or above grade: 1

Depth of basement below grade surface: _____ ft. Basement size: _____ ft^2

Basement floor construction: Concrete other (specify): _____

Foundation walls: Cinder Blocks other (specify): _____

Basement sump present? Yes ○ No ⊙ Sump pump? Yes ○ No ⊙ Water in sump? Yes ○ No ⊙

Type of heating system (check all that apply):

hot air circulation ☐	hot air radiation ☐	wood ☐	steam radiation ☐
heat pump ☒	hot water radiation ☐	kerosene heater ☐	electric baseboard ☐

other (specify): _____

Type of ventilation system (check all that apply):

central air conditioning ☒	mechanical fans ☒	bathroom ventilation fans ☒
individual air conditioning units ☐	kitchen range hood fan ☐	outside air intake ☐

other (specify): _____

Type of fuel utilized (check all that apply):

Natural gas ☐ electric ☒ fuel oil ☐ wood ☐ coal ☐ solar ☐ kerosene ☐

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? Yes ○ No ⊙

Is there a whole house fan? Yes ○ No ⊙

Septic system? Yes ○ Yes (But not used) ○ No ⊙

Irrigation/private well? Yes ○ Yes(But not used) ○ No ⊙

Type of ground cover outside of building: Asphalt other (specify) _____

Existing subsurface depressurization (radon) system in place? Yes ○ No ⊙ Type:_____

Sub-slab vapor/moisture barrier in place? Yes ○ No ○

Type of barrier: _____

Part III - Outside Contaminant Sources

Other stationary sources nearby (gas stations, emission stacks, etc.): _____

Heavy vehicular traffic nearby (or other mobile sources): River Road

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	**Location(s)**	**Removed** (Yes / No / NA)
Gasoline storage cans	Service Bays	No
Gas-powered equipment		N/A
Kerosene storage cans		N/A
Paints / thinners / strippers		N/A
Cleaning solvents		N/A
Oven cleaners		N/A
Carpet / upholstery cleaners		N/A
Other house cleaning products		N/A
Moth balls		N/A
Polishes / waxes		N/A
Insecticides		N/A
Furniture / floor polish	Building Interior	Yes
Nail polish / polish remover		N/A
Hairspray		N/A
Cologne / perfume		N/A
Air fresheners		N/A
Fuel tank (inside building)	North Service Bay	No
Wood stove or fireplace		N/A
New furniture / upholstery		N/A
New carpeting / flooring		N/A
Hobbies - glues, paints, etc.		N/A

Part V – Miscellaneous Items

Do any occupants of the building smoke? Yes ○ No ⊙ How often? _____

Last time someone smoked in the building? _____ hours ○ *days* ○ *ago*

Does the building have an attached garage directly connected to living space? *Yes* ⊙ *No* ○

If so, is a car usually parked in the garage? *Yes* ○ *No* ⊙ Two automotive service bays

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? Yes ⊙ No ○

Do the occupants of the building have their clothes dry cleaned? Yes ○ No ⊙

If yes, how often? Weekly ○ Monthly ○ 3-4 Times per year ○

Do any of the occupants use solvents in work? Yes ○ No ○

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? *Yes* ○ *No* ⊙

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* ○ *No* ⊙

If so, when and which chemicals? _____

Has there ever been a fire in the building? Yes ○ No ⊙ If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* ○ *No* ⊙

If yes, when _____ and where? _____

Part VI – Sampling Information

Sample Technician: Tyler Schulz Phone number: (704) 586 - 0007

Sample Source (check all that apply):

Indoor Air ☒ Crawlspace Air ☐ Sub-Slab ☒ Near Slab Soil Gas ☐ Exterior Soil Gas ☐

Sampler Type (check all that apply):

Tedlar Bag ☐ Sorbent ☐ Stainless Steel Canister ☒ Other (specify): _____

Analytical Method: TO-15 Other: _____ Cert. Laboratory: _____

Sample locations (floor, room): See attached sample location maps

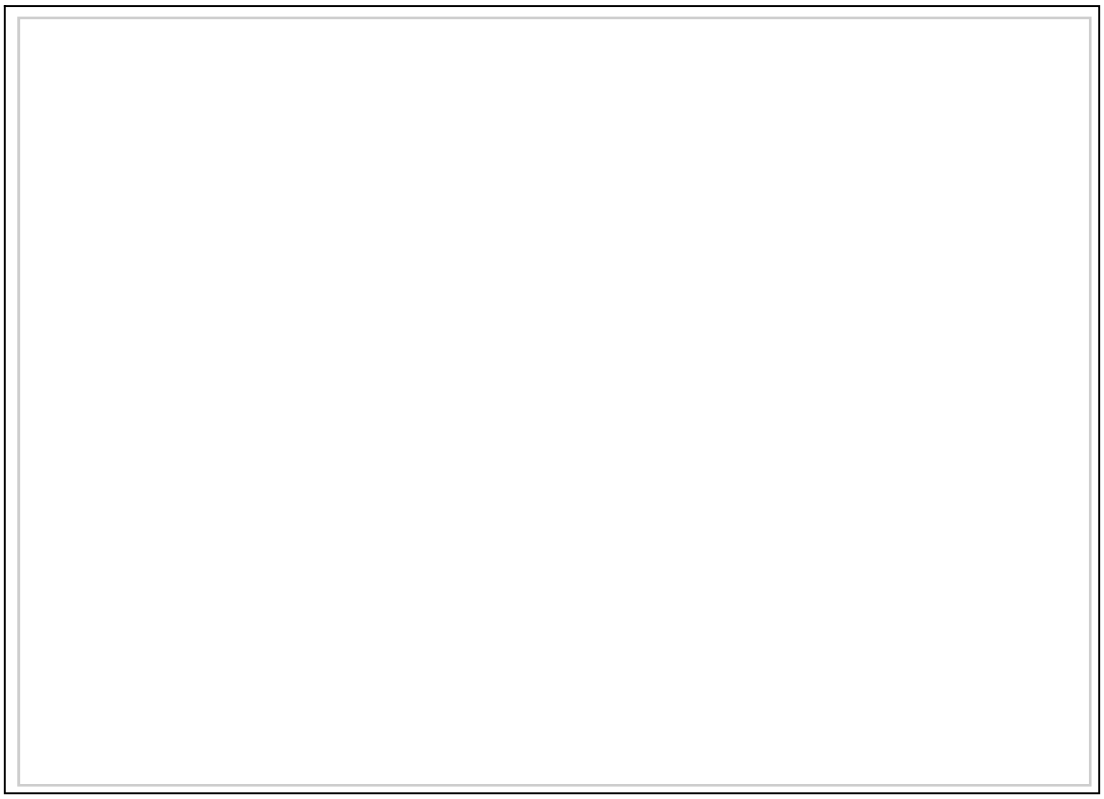
Field ID # _____ - _____ Field ID # _____-_____

Field ID #_____-_____ Field ID # _____-_____

Were “Instructions for Occupants” followed?

If not, describe modifications: No Occupants

Provide Drawing of Sample Location(s) in Building



Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? *Yes* ○ *No* ⊙

Describe the general weather conditions: Warm in the 70s, clear, sunny

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process (e.g., observed that drycleaner operated with door or windows propped open for ventilation).

Parts cleaner and used coolant drum located in each service bay.

Three oil ASTs with surface staining and 2 5-gallon buckets of valvoline grease located within north service bay.

(Adapted from the NJDEP Vapor Intrusion Guidance, October 2005)

Indoor Air Sampling Field Form

Project No.: SAI.413 **Sampler:** TGS **Weather:** Clear; Sunny; 70s

Sample ID				Sampling Information						Differential Pressure	Outdoor Parameters		Indoor Parameters	
				Date	Proposed Sampling Duration	Sampling Period	Time	Canister Pressure			Outdoor Temperature	Outdoor Humidity	Indoor Temperature	Indoor Humidity
				mm/dd/yy	Hours		24-hr	" Hg		" H_2O	°F	%	°F	%
S:	IAS-1	Size:	6L	8/16/24	8 Hr	Beginning	0740	-30			66	60	67	60
C:	27732					Middle	1217	-16			75	49	71	48
R:	13691	Flow Rate:				End	1539	-5			76	49	72	51
S:	IAS-2	Size:	6L	8/16/24	8 Hr	Beginning	0735	-30						
C:	27742					Middle	1218	-16						
R:	06023	Flow Rate:				End	1539	-5						
S:	IAS-3	Size:	6L	8/16/24	8 Hr	Beginning	0742	-30						
C:	0802B					Middle	1219	-15						
R:	8169	Flow Rate:				End	1537	-5						
S:	IAS-4/DUP-1	Size:	6L	8/16/24	8 Hr	Beginning	0746	-30						
C:	37516/37498					Middle	1220	-15						
R:	18713	Flow Rate:				End	1538	-5						
S:	IAS-5	Size:	6L	8/16/24	8 Hr	Beginning	0750	-30						
C:	0781					Middle	1221	-18						
R:	10013	Flow Rate:				End	1541	-7						
S:	BG	Size:	6L	8/16/24	8 Hr	Beginning	0800	-30						
C:	27740					Middle	1223	-17						
R:	10003	Flow Rate:				End	1544	-6						

S = sample ID; C = canister ID; R = regulator ID
" Hg = inches of mercury; " H_2O = inches of water column

Note: negative differential pressure indicates that indoor pressure was lower than pressure outdoors.

Last updated: 6/18/2020

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Time (EST)	0810	1218	1545
Precipitation (inches)	0	0	0
Barometric Pressure (" Hg)	30.02	29.99	29.98
Wind Direction	SSW	S	SSE
Wind Speed (mph)	0	0	0

Notes: _____

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LOW-FLOW GROUNDWATER SAMPLING RECORD

Generalized Stabilization Criteria (1)
pH: +/- 0.1 SU
Specific Conductivity: +/- 5%
Turbidity: <10 NTUs or stabilized
Water Level: slight and stable drawdown (<0.33 ft)
Dissolved Oxygen: +/- 0.2 mg/L

Job No: SAI.413
Well ID: MW-1
Date: 8/13/24

Site Name: Noethwest Motorsports
Site Location: 400 River Road, Puyallup, Washington
Sampling Personnel TGS, _____
Weather: Clear; Sunny; 70s
Casing Material: PVC
Well Diameter: 2"
Screen Interval (ft bgs): 11 – 19
Top of Casing Elevation (ft msl): 38.59
Total Well Depth (ft bgs): 19.1
Depth to Water (ft bgs): 16.83
Pump/Tubing set at (ft): 18
Type of Pump: Peristaltic
Tubing Material: Polyethylene
NOTES:

GROUNDWATER FIELD PARAMETERS

Time	Water Level	Volume Purged	Purging Rate	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)	DO (mg/L)
15:35	16.83	0.5 L	100mL/min	15.3	394.9	6.62	-75.3	20.6	0.22
15:40	16.83	1 L	100mL/min	14.4	326.5	6.63	-65.7	10.6	0.22
15:45	16.83	1.5 L	100mL/min	14.3	322.4	6.64	-65.0	10.9	0.20
15:50	16.83	2 L	100mL/min	14.3	322.4	6.64	-64.2	4.47	0.22
15:55	16.83	2.5 L	100mL/min	14.3	317.8	6.65	-59.7	2.54	0.39
16:00	16.83	3 L	100mL/min	14.3	318.1	6.65	-59.5	1.94	0.34

Other Field Parameters:
Parameters taken with: YSI Pro Plus, Hatch 2100Q
Sample Condition (Clear, Cloudy, Other): Clear
Field Filtration: Yes ○ No ◉ If yes, which sample parameters were field filtered:
Sampled at: 16:00
Sample Delivered to: Eurofins
Analytical Parameters and Containers (Types, Number of Containers, Preservatives): 3x 40 mL VOAs (VOCs 8260) w/HCL

(1) Stabilization criteria guidelines from the EPA Region 4 LSASD Operating Procedure for Groundwater Sampling (April 26, 2017). Stabilization occurs when parameters are stable for three consecutive readings measured at approximately five minute intervals. The above stabilization criteria may vary based on regulatory program and/or site conditions. Check with Project Manager for site-specific requirements. Turbidity values <10 NTUs may be required for select analyses (e.g., metals). If stabilization criteria is not attainable, contact Project Manager.

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LOW-FLOW GROUNDWATER SAMPLING RECORD

Generalized Stabilization Criteria (1)
pH: +/- 0.1 SU
Specific Conductivity: +/- 5%
Turbidity: <10 NTUs or stabilized
Water Level: slight and stable drawdown (<0.33 ft)
Dissolved Oxygen: +/- 0.2 mg/L

Job No: SAI.413
Well ID: MW-2
Date: 8/14/24

Site Name: Noethwest Motorsports
Site Location: 400 Rover Road, Puyallup, Washington
Sampling Personnel TGS, _____
Weather: Clear; Sunny; 70s
Casing Material: PVC
Well Diameter: 2"
Screen Interval (ft bgs): 11 – 19
Top of Casing Elevation (ft msl): 38.23
Total Well Depth (ft bgs): 19.1
Depth to Water (ft bgs): 16.4
Pump/Tubing set at (ft): 18
Type of Pump: Peristaltic
Tubing Material: Polyethylene
NOTES:

GROUNDWATER FIELD PARAMETERS

Time	Water Level	Volume Purged	Purging Rate	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)	DO (mg/L)
13:00	16.42	0.5 L	100mL/min	17.0	369.3	6.71	-28.9	7.10	0.44
13:05	16.42	1 L	100mL/min	17.3	369.2	6.74	-30.4	8.17	0.37
13:10	16.42	1.5 L	100mL/min	17.2	368.	6.73	-31.9	5.04	0.50
13:15	16.42	2 L	100mL/min	17.1	368.8	6.77	-31.9	3.01	0.56

Other Field Parameters:
Parameters taken with: YSI Pro Plus, Hatch 2100Q
Sample Condition (Clear, Cloudy, Other): Clear
Field Filtration: Yes ○ No ◉ If yes, which sample parameters were field filtered:
Sampled at: 13:20
Sample Delivered to: Eurofins
Analytical Parameters and Containers (Types, Number of Containers, Preservatives): 3x 40 mL VOAs (VOCs 8260) w/HCL

(1) Stabilization criteria guidelines from the EPA Region 4 LSASD Operating Procedure for Groundwater Sampling (April 26, 2017). Stabilization occurs when parameters are stable for three consecutive readings measured at approximately five minute intervals. The above stabilization criteria may vary based on regulatory program and/or site conditions. Check with Project Manager for site-specific requirements. Turbidity values <10 NTUs may be required for select analyses (e.g., metals). If stabilization criteria is not attainable, contact Project Manager.

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LOW-FLOW GROUNDWATER SAMPLING RECORD

Generalized Stabilization Criteria (1)
pH: +/- 0.1 SU
Specific Conductivity: +/- 5%
Turbidity: <10 NTUs or stabilized
Water Level: slight and stable drawdown (<0.33 ft)
Dissolved Oxygen: +/- 0.2 mg/L

Job No: SAI.413
Well ID: MW-3
Date: 8/13/24

Site Name: Noethwest Motorsports
Site Location: 400 Rover Road, Puyallup, Washington
Sampling Personnel TGS, _____
Weather: Clear; Sunny; 70s
Casing Material: PVC
Well Diameter: 2"
Screen Interval (ft bgs): 7 – 22
Top of Casing Elevation (ft msl): 33.95
Total Well Depth (ft bgs): 22
Depth to Water (ft bgs): 12.21
Pump/Tubing set at (ft): 18
Type of Pump: Peristaltic
Tubing Material: Polyethylene
NOTES:

GROUNDWATER FIELD PARAMETERS

Time	Water Level	Volume Purged	Purging Rate	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)	DO (mg/L)
17:00	12.21	0.5 L	100mL/min	16.7	404.2	6.32	-2.2	5.26	0.44
17:05	12.22	1 L	100mL/min	16.5	399.9	6.32	-8.8	3.88	0.30
17:10	12.22	1.5 L	100mL/min	16.3	398.5	6.33	-11.3	3.69	0.41

Other Field Parameters:
Parameters taken with: YSI Pro Plus, Hatch 2100Q
Sample Condition (Clear, Cloudy, Other): Clear
Field Filtration: Yes ○ No ◉ If yes, which sample parameters were field filtered:
Sampled at: 17:15
Sample Delivered to: Eurofins
Analytical Parameters and Containers (Types, Number of Containers, Preservatives): 3x 40 mL VOAs (VOCs 8260) w/HCL

(1) Stabilization criteria guidelines from the EPA Region 4 LSASD Operating Procedure for Groundwater Sampling (April 26, 2017). Stabilization occurs when parameters are stable for three consecutive readings measured at approximately five minute intervals. The above stabilization criteria may vary based on regulatory program and/or site conditions. Check with Project Manager for site-specific requirements. Turbidity values <10 NTUs may be required for select analyses (e.g., metals). If stabilization criteria is not attainable, contact Project Manager.

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LOW-FLOW GROUNDWATER SAMPLING RECORD

Generalized Stabilization Criteria (1)
pH: +/- 0.1 SU
Specific Conductivity: +/- 5%
Turbidity: <10 NTUs or stabilized
Water Level: slight and stable drawdown (<0.33 ft)
Dissolved Oxygen: +/- 0.2 mg/L

Job No: SAI.413
Well ID: MW-4
Date: 8/14/24

Site Name: Noethwest Motorsports
Site Location: 400 Rover Road, Puyallup, Washington
Sampling Personnel TGS, _____
Weather: Clear; Sunny; 70s
Casing Material: PVC
Well Diameter: 2"
Screen Interval (ft bgs): 7 – 22
Top of Casing Elevation (ft msl): 39.25
Total Well Depth (ft bgs): 22.10
Depth to Water (ft bgs): 17.5
Pump/Tubing set at (ft): 20
Type of Pump: Peristaltic
Tubing Material: Polyethylene
NOTES:

GROUNDWATER FIELD PARAMETERS

Time	Water Level	Volume Purged	Purging Rate	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)	DO (mg/L)
09:15	17.53	0.5 L	100mL/min	15.6	258.0	5.77	144.9	2.5	2.11
09:20	17.53	1 L	100mL/min	15.5	260.0	5.79	139.0	1.84	2.20
09:25	17.53	1.5 L	100mL/min	15.5	258.9	5.82	131.1	1.60	2.37

Other Field Parameters:
Parameters taken with: YSI Pro Plus, Hatch 2100Q
Sample Condition (Clear, Cloudy, Other): Clear
Field Filtration: Yes ○ No ◉ If yes, which sample parameters were field filtered:
Sampled at: 09:30
Sample Delivered to: Eurofins
Analytical Parameters and Containers (Types, Number of Containers, Preservatives): 3x 40 mL VOAs (VOCs 8260) w/HCL

(1) Stabilization criteria guidelines from the EPA Region 4 LSASD Operating Procedure for Groundwater Sampling (April 26, 2017). Stabilization occurs when parameters are stable for three consecutive readings measured at approximately five minute intervals. The above stabilization criteria may vary based on regulatory program and/or site conditions. Check with Project Manager for site-specific requirements. Turbidity values <10 NTUs may be required for select analyses (e.g., metals). If stabilization criteria is not attainable, contact Project Manager.

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LOW-FLOW GROUNDWATER SAMPLING RECORD

Generalized Stabilization Criteria (1)
pH: +/- 0.1 SU
Specific Conductivity: +/- 5%
Turbidity: <10 NTUs or stabilized
Water Level: slight and stable drawdown (<0.33 ft)
Dissolved Oxygen: +/- 0.2 mg/L

Job No: SAI.413
Well ID: MW-5
Date: 8/14/24

Site Name: Noethwest Motorsports
Site Location: 400 Rover Road, Puyallup, Washington
Sampling Personnel TGS, _____
Weather: Clear; Sunny; 70s
Casing Material: PVC
Well Diameter: 2"
Screen Interval (ft bgs): 13 – 23
Top of Casing Elevation (ft msl): 39.25
Total Well Depth (ft bgs): 23.31
Depth to Water (ft bgs): 18.80
Pump/Tubing set at (ft): 21
Type of Pump: Peristaltic
Tubing Material: Polyethylene
NOTES:

GROUNDWATER FIELD PARAMETERS

Time	Water Level	Volume Purged	Purging Rate	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)	DO (mg/L)
15:00	18.86	0.5 L	100mL/min	16.2	243.5	5.43	171.0	7.87	0.47
15:05	18.86	1 L	100mL/min	16.0	239.2	5.40	178.0	4.46	0.45
15:20	18.86	1.5 L	100mL/min	16.0	236.4	5.39	183.9	4.14	0.43

Other Field Parameters:
Parameters taken with: YSI Pro Plus, Hatch 2100Q
Sample Condition (Clear, Cloudy, Other): Clear
Field Filtration: Yes ○ No ◉ If yes, which sample parameters were field filtered:
Sampled at: 15:15
Sample Delivered to: Eurofins
Analytical Parameters and Containers (Types, Number of Containers, Preservatives): 3x 40 mL VOAs (VOCs 8260) w/HCL

(1) Stabilization criteria guidelines from the EPA Region 4 LSASD Operating Procedure for Groundwater Sampling (April 26, 2017). Stabilization occurs when parameters are stable for three consecutive readings measured at approximately five minute intervals. The above stabilization criteria may vary based on regulatory program and/or site conditions. Check with Project Manager for site-specific requirements. Turbidity values <10 NTUs may be required for select analyses (e.g., metals). If stabilization criteria is not attainable, contact Project Manager.

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LOW-FLOW GROUNDWATER SAMPLING RECORD

Generalized Stabilization Criteria (1)
pH: +/- 0.1 SU
Specific Conductivity: +/- 5%
Turbidity: <10 NTUs or stabilized
Water Level: slight and stable drawdown (<0.33 ft)
Dissolved Oxygen: +/- 0.2 mg/L

Job No: SAI.413
Well ID: MW-6
Date: 8/15/24

Site Name: Noethwest Motorsports
Site Location: 400 Rover Road, Puyallup, Washington
Sampling Personnel TGS, _____
Weather: Clear; Sunny; 70s
Casing Material: PVC
Well Diameter: 2"
Screen Interval (ft bgs): 8 – 22
Top of Casing Elevation (ft msl): 40.54
Total Well Depth (ft bgs): 22.55
Depth to Water (ft bgs): 18.7
Pump/Tubing set at (ft): 21
Type of Pump: Peristaltic
Tubing Material: Polyethylene
NOTES:

GROUNDWATER FIELD PARAMETERS

Time	Water Level	Volume Purged	Purging Rate	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)	DO (mg/L)
10:00	18.7	0.5 L	100mL/min	15.7	458.2	6.30	12.8	3.27	0.27
10:05	18.7	1 L	100mL/min	15.6	456.9	6.30	9.7	2.28	0.31
10:10	18.7	1.5 L	100mL/min	15.6	459.2	6.33	8.3	2.11	0.30

Other Field Parameters:
Parameters taken with: YSI Pro Plus, Hatch 2100Q
Sample Condition (Clear, Cloudy, Other): Clear
Field Filtration: Yes ○ No ◉ If yes, which sample parameters were field filtered:
Sampled at: 10:15
Sample Delivered to: Eurofins
Analytical Parameters and Containers (Types, Number of Containers, Preservatives): 3x 40 mL VOAs (VOCs 8260) w/HCL

(1) Stabilization criteria guidelines from the EPA Region 4 LSASD Operating Procedure for Groundwater Sampling (April 26, 2017). Stabilization occurs when parameters are stable for three consecutive readings measured at approximately five minute intervals. The above stabilization criteria may vary based on regulatory program and/or site conditions. Check with Project Manager for site-specific requirements. Turbidity values <10 NTUs may be required for select analyses (e.g., metals). If stabilization criteria is not attainable, contact Project Manager.

Sub-Slab / Soil Gas Vapor Sampling Field Form

Project No.: SAI.474 **Sampler:** TGS **Weather:** Clear; Sunny; 70s

Sample ID			Sampling Information					Outdoor Parameters		Indoor Parameters	
			Date	Proposed Sampling Duration	Sampling Period	Time	Canister Pressure	Outdoor Temperature	Outdoor Humidity	Indoor Temperature	Indoor Humidity
			mm/dd/yy	Minutes		24-hr	" Hg	°F	%	°F	%
S: SSV-7	Size:	1.4 L	8/16/24	10 Min	Beginning	1750	-28	81	41	76	45
C: 5156					Middle	1755	-14				
R: 1205	Flow Rate:				End	1800	-5				
S: SSV-8	Size:	1.4 L	8/16/24	10 Min	Beginning	1813	-29	81	41	76	45
C: 1480					Middle	1818	-12				
R: 1246	Flow Rate:				End	1820	-5				
S:	Size:				Beginning						
C:					Middle						
R:	Flow Rate:				End						
S:	Size:				Beginning						
C:					Middle						
R:	Flow Rate:				End						
S:	Size:				Beginning						
C:					Middle						
R:	Flow Rate:				End						
S:	Size:				Beginning						
C:					Middle						
R:	Flow Rate:				End						

S = sample ID; C = canister ID; R = regulator ID; SS = sub-slab; SG = soil gas; Perm = permanent; Temp = temporary

" Hg = inches of mercury

Last updated: 6/18/2020

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Note:
Per NC DEQ DWM Vapor Intrusion Guidance, shut-in test and helium leak check must be passed before sampling.

Notes: _____

Sub-Slab / Soil Gas Vapor Sampling Field Form

Project No.: SAI.474 **Sampler:** TGS **Weather:** Clear; Sunny; 70s

Sample ID				Sampling Information					Outdoor Parameters		Indoor Parameters	
				Date	Proposed Sampling Duration	Sampling Period	Time	Canister Pressure	Outdoor Temperature	Outdoor Humidity	Indoor Temperature	Indoor Humidity
				mm/dd/yy	Minutes		24-hr	" Hg	°F	%	°F	%
S: SSV-1	Size:	1.4 L		8/16/24	10 Min	Beginning	1619	-29	79	41	76	43
C: 1148						Middle	1624	-9				
R: 1041	Flow Rate:					End	1626	-5				
S: SSV-2	Size:	1.4 L		8/16/24	10 Min	Beginning	1632	-28	79	41	76	43
C: 2854						Middle	1637	-8				
R: 1250	Flow Rate:					End	1638	-5				
S: SSV-3	Size:	1.4 L		8/16/24	10 Min	Beginning	1644	-29	79	41	76	43
C: 2370						Middle	1649	-11				
R: 1288	Flow Rate:					End	1651	-5				
S: SSV-4	Size:	1.4 L		8/16/24	10 Min	Beginning	1700	-29	79	41	76	43
C: 10907/15126						Middle	1705	-13				
R: 1195	Flow Rate:					End	1708	-5				
S: SSV-5	Size:	1.4 L		8/16/24	10 Min	Beginning	1714	-29	79	41	76	43
C: 10254						Middle	1719	-19				
R: 1170	Flow Rate:					End	1728	-5				
S: SSV-6	Size:	1.4 L		8/16/24	10 Min	Beginning	1735	-28	79	41	76	43
C: 1939						Middle	1740	-14				
R: 1060	Flow Rate:					End	1743	-5				

S = sample ID; C = canister ID; R = regulator ID; SS = sub-slab; SG = soil gas; Perm = permanent; Temp = temporary

" Hg = inches of mercury

Last updated: 6/18/2020

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Note:
Per NC DEQ DWM Vapor Intrusion Guidance, shut-in test and helium leak check must be passed before sampling.

Notes: _____

Appendix D

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tyler Schulz
Hart & Hickman, PC
2923 S Tryon Street
Suite 100
Charlotte, North Carolina 28203

Generated 8/30/2024 11:19:13 AM

JOB DESCRIPTION

Northwest Motorsports - Puyallup

JOB NUMBER

580-143019-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

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8/30/2024 11:19:13 AM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

Table of Contents

Job Narrative
580-143019-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/16/2024 12:18 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-469513 recovered outside acceptance criteria, low biased, for Bromomethane and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-469513 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1 (580-143019-1), MW-4 (580-143019-4) and (CCVIS 580-469513/3).

Method 8260D_LL: The LCSD associated with analytical batch 580-469513 was outside of control limits low for cis-1,3-Dichloropropene. Re-analysis was performed outside of analytical holding time, therefore, both sets of data are reported. The following samples are affected: MW-1 (580-143019-1) and (LCSD 580-469513/5)

Method 8260D_LL: The following sample was analyzed outside of analytical holding time due to the sample being activated outside of analytical holding time.MW-3 (580-143019-3).

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-469625 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-3 (580-143019-3) and (CCVIS 580-469625/4).

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

Definitions/Glossary

Client: Hart & Hickman, PC
Job ID: 580-143019-1
Project/Site: Northwest Motorsports - Puyallup

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143019-1

Client Sample ID: MW-1
Date Collected: 08/13/24 16:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.11	ug/L			08/27/24 19:52	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/27/24 19:52	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/27/24 19:52	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/27/24 19:52	1
1,1-Dichloroethane	ND		0.20	0.064	ug/L			08/27/24 19:52	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/27/24 19:52	1
1,1-Dichloropropene	ND		0.20	0.084	ug/L			08/27/24 19:52	1
1,2,3-Trichlorobenzene	ND		1.5	0.47	ug/L			08/27/24 19:52	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/27/24 19:52	1
1,2,4-Trichlorobenzene	ND		1.5	0.36	ug/L			08/27/24 19:52	1
1,2,4-Trimethylbenzene	ND		0.55	0.23	ug/L			08/27/24 19:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.48	ug/L			08/27/24 19:52	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/27/24 19:52	1
1,2-Dichloroethane	ND		0.25	0.12	ug/L			08/27/24 19:52	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/27/24 19:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			08/27/24 19:52	1
1,3-Dichlorobenzene	ND		0.30	0.050	ug/L			08/27/24 19:52	1
1,3-Dichloropropane	ND		0.20	0.056	ug/L			08/27/24 19:52	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/27/24 19:52	1
2,2-Dichloropropane	ND		0.50	0.060	ug/L			08/27/24 19:52	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/27/24 19:52	1
4-Chlorotoluene	ND		0.30	0.12	ug/L			08/27/24 19:52	1
4-Isopropyltoluene	ND		0.50	0.25	ug/L			08/27/24 19:52	1
Benzene	ND		0.20	0.030	ug/L			08/27/24 19:52	1
Bromobenzene	ND		0.20	0.038	ug/L			08/27/24 19:52	1
Bromoform	ND		0.50	0.16	ug/L			08/27/24 19:52	1
Bromomethane	ND		0.50	0.13	ug/L			08/27/24 19:52	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/27/24 19:52	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/27/24 19:52	1
Chlorobromomethane	ND		0.20	0.050	ug/L			08/27/24 19:52	1
Chlorodibromomethane	ND		0.20	0.055	ug/L			08/27/24 19:52	1
Chloroethane	ND		0.50	0.24	ug/L			08/27/24 19:52	1
Chloroform	ND		0.20	0.030	ug/L			08/27/24 19:52	1
Chloromethane	ND		0.50	0.14	ug/L			08/27/24 19:52	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/27/24 19:52	1
cis-1,3-Dichloropropene	ND	*-	0.20	0.090	ug/L			08/27/24 19:52	1
Dibromomethane	ND		0.20	0.062	ug/L			08/27/24 19:52	1
Dichlorobromomethane	ND		0.20	0.060	ug/L			08/27/24 19:52	1
Dichlorodifluoromethane	ND		0.40	0.13	ug/L			08/27/24 19:52	1
Ethylbenzene	ND		0.20	0.082	ug/L			08/27/24 19:52	1
Ethylene Dibromide	ND		0.15	0.067	ug/L			08/27/24 19:52	1
Hexachlorobutadiene	ND		0.50	0.16	ug/L			08/27/24 19:52	1
Isopropylbenzene	ND		1.0	0.27	ug/L			08/27/24 19:52	1
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			08/27/24 19:52	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/27/24 19:52	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			08/27/24 19:52	1
Naphthalene	ND		1.5	0.52	ug/L			08/27/24 19:52	1
n-Butylbenzene	ND		1.0	0.35	ug/L			08/27/24 19:52	1
N-Propylbenzene	ND		0.30	0.091	ug/L			08/27/24 19:52	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143019-1

Client Sample ID: MW-1
Date Collected: 08/13/24 16:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50	0.23	ug/L			08/27/24 19:52	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			08/27/24 19:52	1
Styrene	ND		1.0	0.33	ug/L			08/27/24 19:52	1
tert-Butylbenzene	ND		0.50	0.26	ug/L			08/27/24 19:52	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/27/24 19:52	1
Toluene	ND		0.20	0.050	ug/L			08/27/24 19:52	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/27/24 19:52	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/27/24 19:52	1
Trichloroethene	ND		0.20	0.066	ug/L			08/27/24 19:52	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/27/24 19:52	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/27/24 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/27/24 19:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/27/24 19:52*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*08/27/24 19:52*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/27/24 19:52*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	H	0.20	0.090	ug/L			08/28/24 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*08/28/24 16:00*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/28/24 16:00*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*08/28/24 16:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/28/24 16:00*	*1*

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143019-1

Client Sample ID: MW-3
Date Collected: 08/13/24 17:15
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	H	0.30	0.11	ug/L			08/28/24 16:23	1
1,1,1-Trichloroethane	ND	H	0.20	0.025	ug/L			08/28/24 16:23	1
1,1,2,2-Tetrachloroethane	ND	H	0.20	0.056	ug/L			08/28/24 16:23	1
1,1,2-Trichloroethane	ND	H	0.20	0.070	ug/L			08/28/24 16:23	1
1,1-Dichloroethane	ND	H	0.20	0.064	ug/L			08/28/24 16:23	1
1,1-Dichloroethene	ND	H	0.20	0.035	ug/L			08/28/24 16:23	1
1,1-Dichloropropene	ND	H	0.20	0.084	ug/L			08/28/24 16:23	1
1,2,3-Trichlorobenzene	ND	H	1.5	0.47	ug/L			08/28/24 16:23	1
1,2,3-Trichloropropane	ND	H	0.20	0.050	ug/L			08/28/24 16:23	1
1,2,4-Trichlorobenzene	ND	H	1.5	0.36	ug/L			08/28/24 16:23	1
1,2,4-Trimethylbenzene	ND	H	0.55	0.23	ug/L			08/28/24 16:23	1
1,2-Dibromo-3-Chloropropane	ND	H	2.0	0.48	ug/L			08/28/24 16:23	1
1,2-Dichlorobenzene	ND	H	0.30	0.038	ug/L			08/28/24 16:23	1
1,2-Dichloroethane	ND	H	0.25	0.12	ug/L			08/28/24 16:23	1
1,2-Dichloropropane	ND	H	0.20	0.060	ug/L			08/28/24 16:23	1
1,3,5-Trimethylbenzene	ND	H	0.50	0.19	ug/L			08/28/24 16:23	1
1,3-Dichlorobenzene	ND	H	0.30	0.050	ug/L			08/28/24 16:23	1
1,3-Dichloropropane	ND	H	0.20	0.056	ug/L			08/28/24 16:23	1
1,4-Dichlorobenzene	ND	H	0.30	0.050	ug/L			08/28/24 16:23	1
2,2-Dichloropropane	ND	H	0.50	0.060	ug/L			08/28/24 16:23	1
2-Chlorotoluene	ND	H	0.50	0.12	ug/L			08/28/24 16:23	1
4-Chlorotoluene	ND	H	0.30	0.12	ug/L			08/28/24 16:23	1
4-Isopropyltoluene	ND	H	0.50	0.25	ug/L			08/28/24 16:23	1
Benzene	ND	H	0.20	0.030	ug/L			08/28/24 16:23	1
Bromobenzene	ND	H	0.20	0.038	ug/L			08/28/24 16:23	1
Bromoform	ND	H	0.50	0.16	ug/L			08/28/24 16:23	1
Bromomethane	ND	H	0.50	0.13	ug/L			08/28/24 16:23	1
Carbon tetrachloride	ND	H	0.20	0.025	ug/L			08/28/24 16:23	1
Chlorobenzene	ND	H	0.20	0.060	ug/L			08/28/24 16:23	1
Chlorobromomethane	ND	H	0.20	0.050	ug/L			08/28/24 16:23	1
Chlorodibromomethane	ND	H	0.20	0.055	ug/L			08/28/24 16:23	1
Chloroethane	ND	H	0.50	0.24	ug/L			08/28/24 16:23	1
Chloroform	ND	H	0.20	0.030	ug/L			08/28/24 16:23	1
Chloromethane	ND	H	0.50	0.14	ug/L			08/28/24 16:23	1
cis-1,2-Dichloroethene	ND	H	0.20	0.055	ug/L			08/28/24 16:23	1
cis-1,3-Dichloropropene	ND	H	0.20	0.090	ug/L			08/28/24 16:23	1
Dibromomethane	ND	H	0.20	0.062	ug/L			08/28/24 16:23	1
Dichlorobromomethane	ND	H	0.20	0.060	ug/L			08/28/24 16:23	1
Dichlorodifluoromethane	ND	H	0.40	0.13	ug/L			08/28/24 16:23	1
Ethylbenzene	ND	H	0.20	0.082	ug/L			08/28/24 16:23	1
Ethylene Dibromide	ND	H	0.15	0.067	ug/L			08/28/24 16:23	1
Hexachlorobutadiene	ND	H	0.50	0.16	ug/L			08/28/24 16:23	1
Isopropylbenzene	ND	H	1.0	0.27	ug/L			08/28/24 16:23	1
Methyl tert-butyl ether	ND	H	0.30	0.070	ug/L			08/28/24 16:23	1
Methylene Chloride	ND	H	5.0	1.2	ug/L			08/28/24 16:23	1
m-Xylene & p-Xylene	ND	H	0.50	0.12	ug/L			08/28/24 16:23	1
Naphthalene	ND	H	1.5	0.52	ug/L			08/28/24 16:23	1
n-Butylbenzene	ND	H	1.0	0.35	ug/L			08/28/24 16:23	1
N-Propylbenzene	ND	H	0.30	0.091	ug/L			08/28/24 16:23	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143019-1

Client Sample ID: MW-3
Date Collected: 08/13/24 17:15
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND	H	0.50	0.23	ug/L			08/28/24 16:23	1
sec-Butylbenzene	ND	H	1.0	0.17	ug/L			08/28/24 16:23	1
Styrene	ND	H	1.0	0.33	ug/L			08/28/24 16:23	1
tert-Butylbenzene	ND	H	0.50	0.26	ug/L			08/28/24 16:23	1
Tetrachloroethene	ND	H	0.50	0.084	ug/L			08/28/24 16:23	1
Toluene	ND	H	0.20	0.050	ug/L			08/28/24 16:23	1
trans-1,2-Dichloroethene	ND	H	0.20	0.033	ug/L			08/28/24 16:23	1
trans-1,3-Dichloropropene	ND	H	0.20	0.092	ug/L			08/28/24 16:23	1
Trichloroethene	ND	H	0.20	0.066	ug/L			08/28/24 16:23	1
Trichlorofluoromethane	ND	H	0.50	0.12	ug/L			08/28/24 16:23	1
Vinyl chloride	ND	H	0.10	0.040	ug/L			08/28/24 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/28/24 16:23*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/28/24 16:23*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*08/28/24 16:23*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/28/24 16:23*	*1*

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143019-1

Client Sample ID: MW-4
Date Collected: 08/14/24 09:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.11	ug/L			08/27/24 19:29	1
1,1,1-Trichloroethane	**0.18**	**J**	0.20	0.025	ug/L			08/27/24 19:29	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/27/24 19:29	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/27/24 19:29	1
1,1-Dichloroethane	ND		0.20	0.064	ug/L			08/27/24 19:29	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/27/24 19:29	1
1,1-Dichloropropene	ND		0.20	0.084	ug/L			08/27/24 19:29	1
1,2,3-Trichlorobenzene	ND		1.5	0.47	ug/L			08/27/24 19:29	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/27/24 19:29	1
1,2,4-Trichlorobenzene	ND		1.5	0.36	ug/L			08/27/24 19:29	1
1,2,4-Trimethylbenzene	ND		0.55	0.23	ug/L			08/27/24 19:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.48	ug/L			08/27/24 19:29	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/27/24 19:29	1
1,2-Dichloroethane	ND		0.25	0.12	ug/L			08/27/24 19:29	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/27/24 19:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			08/27/24 19:29	1
1,3-Dichlorobenzene	ND		0.30	0.050	ug/L			08/27/24 19:29	1
1,3-Dichloropropane	ND		0.20	0.056	ug/L			08/27/24 19:29	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/27/24 19:29	1
2,2-Dichloropropane	ND		0.50	0.060	ug/L			08/27/24 19:29	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/27/24 19:29	1
4-Chlorotoluene	ND		0.30	0.12	ug/L			08/27/24 19:29	1
4-Isopropyltoluene	ND		0.50	0.25	ug/L			08/27/24 19:29	1
Benzene	ND		0.20	0.030	ug/L			08/27/24 19:29	1
Bromobenzene	ND		0.20	0.038	ug/L			08/27/24 19:29	1
Bromoform	ND		0.50	0.16	ug/L			08/27/24 19:29	1
Bromomethane	ND		0.50	0.13	ug/L			08/27/24 19:29	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/27/24 19:29	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/27/24 19:29	1
Chlorobromomethane	ND		0.20	0.050	ug/L			08/27/24 19:29	1
Chlorodibromomethane	ND		0.20	0.055	ug/L			08/27/24 19:29	1
Chloroethane	ND		0.50	0.24	ug/L			08/27/24 19:29	1
Chloroform	ND		0.20	0.030	ug/L			08/27/24 19:29	1
Chloromethane	ND		0.50	0.14	ug/L			08/27/24 19:29	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/27/24 19:29	1
Dibromomethane	ND		0.20	0.062	ug/L			08/27/24 19:29	1
Dichlorobromomethane	ND		0.20	0.060	ug/L			08/27/24 19:29	1
Dichlorodifluoromethane	ND		0.40	0.13	ug/L			08/27/24 19:29	1
Ethylbenzene	ND		0.20	0.082	ug/L			08/27/24 19:29	1
Ethylene Dibromide	ND		0.15	0.067	ug/L			08/27/24 19:29	1
Hexachlorobutadiene	ND		0.50	0.16	ug/L			08/27/24 19:29	1
Isopropylbenzene	ND		1.0	0.27	ug/L			08/27/24 19:29	1
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			08/27/24 19:29	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/27/24 19:29	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			08/27/24 19:29	1
Naphthalene	ND		1.5	0.52	ug/L			08/27/24 19:29	1
n-Butylbenzene	ND		1.0	0.35	ug/L			08/27/24 19:29	1
N-Propylbenzene	ND		0.30	0.091	ug/L			08/27/24 19:29	1
o-Xylene	ND		0.50	0.23	ug/L			08/27/24 19:29	1

Client Sample ID: MW-4
Date Collected: 08/14/24 09:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17	ug/L			08/27/24 19:29	1
Styrene	ND		1.0	0.33	ug/L			08/27/24 19:29	1
tert-Butylbenzene	ND		0.50	0.26	ug/L			08/27/24 19:29	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/27/24 19:29	1
Toluene	ND		0.20	0.050	ug/L			08/27/24 19:29	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/27/24 19:29	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/27/24 19:29	1
Trichloroethene	ND		0.20	0.066	ug/L			08/27/24 19:29	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/27/24 19:29	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/27/24 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/27/24 19:29*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/27/24 19:29*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/27/24 19:29*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/27/24 19:29*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/28/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/28/24 16:46*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/28/24 16:46*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/28/24 16:46*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/28/24 16:46*	*1*

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

Lab Sample ID: MB 580-469513/7
Matrix: Water
Analysis Batch: 469513

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.11	ug/L			08/27/24 13:30	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/27/24 13:30	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/27/24 13:30	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/27/24 13:30	1
1,1-Dichloroethane	ND		0.20	0.064	ug/L			08/27/24 13:30	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/27/24 13:30	1
1,1-Dichloropropene	ND		0.20	0.084	ug/L			08/27/24 13:30	1
1,2,3-Trichlorobenzene	ND		1.5	0.47	ug/L			08/27/24 13:30	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/27/24 13:30	1
1,2,4-Trichlorobenzene	ND		1.5	0.36	ug/L			08/27/24 13:30	1
1,2,4-Trimethylbenzene	ND		0.55	0.23	ug/L			08/27/24 13:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.48	ug/L			08/27/24 13:30	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/27/24 13:30	1
1,2-Dichloroethane	ND		0.25	0.12	ug/L			08/27/24 13:30	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/27/24 13:30	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			08/27/24 13:30	1
1,3-Dichlorobenzene	ND		0.30	0.050	ug/L			08/27/24 13:30	1
1,3-Dichloropropane	ND		0.20	0.056	ug/L			08/27/24 13:30	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/27/24 13:30	1
2,2-Dichloropropane	ND		0.50	0.060	ug/L			08/27/24 13:30	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/27/24 13:30	1
4-Chlorotoluene	ND		0.30	0.12	ug/L			08/27/24 13:30	1
4-Isopropyltoluene	ND		0.50	0.25	ug/L			08/27/24 13:30	1
Benzene	ND		0.20	0.030	ug/L			08/27/24 13:30	1
Bromobenzene	ND		0.20	0.038	ug/L			08/27/24 13:30	1
Bromoform	ND		0.50	0.16	ug/L			08/27/24 13:30	1
Bromomethane	ND		0.50	0.13	ug/L			08/27/24 13:30	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/27/24 13:30	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/27/24 13:30	1
Chlorobromomethane	ND		0.20	0.050	ug/L			08/27/24 13:30	1
Chlorodibromomethane	ND		0.20	0.055	ug/L			08/27/24 13:30	1
Chloroethane	ND		0.50	0.24	ug/L			08/27/24 13:30	1
Chloroform	ND		0.20	0.030	ug/L			08/27/24 13:30	1
Chloromethane	ND		0.50	0.14	ug/L			08/27/24 13:30	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/27/24 13:30	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/27/24 13:30	1
Dibromomethane	ND		0.20	0.062	ug/L			08/27/24 13:30	1
Dichlorobromomethane	ND		0.20	0.060	ug/L			08/27/24 13:30	1
Dichlorodifluoromethane	ND		0.40	0.13	ug/L			08/27/24 13:30	1
Ethylbenzene	ND		0.20	0.082	ug/L			08/27/24 13:30	1
Ethylene Dibromide	ND		0.15	0.067	ug/L			08/27/24 13:30	1
Hexachlorobutadiene	ND		0.50	0.16	ug/L			08/27/24 13:30	1
Isopropylbenzene	ND		1.0	0.27	ug/L			08/27/24 13:30	1
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			08/27/24 13:30	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/27/24 13:30	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			08/27/24 13:30	1
Naphthalene	ND		1.5	0.52	ug/L			08/27/24 13:30	1
n-Butylbenzene	ND		1.0	0.35	ug/L			08/27/24 13:30	1

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

Lab Sample ID: MB 580-469513/7
Matrix: Water
Analysis Batch: 469513

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.30	0.091	ug/L			08/27/24 13:30	1
o-Xylene	ND		0.50	0.23	ug/L			08/27/24 13:30	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			08/27/24 13:30	1
Styrene	ND		1.0	0.33	ug/L			08/27/24 13:30	1
tert-Butylbenzene	ND		0.50	0.26	ug/L			08/27/24 13:30	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/27/24 13:30	1
Toluene	ND		0.20	0.050	ug/L			08/27/24 13:30	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/27/24 13:30	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/27/24 13:30	1
Trichloroethene	ND		0.20	0.066	ug/L			08/27/24 13:30	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/27/24 13:30	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/27/24 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/27/24 13:30*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/27/24 13:30*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*08/27/24 13:30*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/27/24 13:30*	*1*

Lab Sample ID: LCS 580-469513/4
Matrix: Water
Analysis Batch: 469513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.20		ug/L		84	69 - 127
1,1,1-Trichloroethane	5.00	4.78		ug/L		96	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.18		ug/L		84	67 - 136
1,1,2-Trichloroethane	5.00	4.07		ug/L		81	73 - 127
1,1-Dichloroethane	5.00	4.63		ug/L		93	74 - 120
1,1-Dichloroethene	5.00	4.56		ug/L		91	60 - 129
1,1-Dichloropropene	5.00	4.46		ug/L		89	72 - 125
1,2,3-Trichlorobenzene	5.00	4.59		ug/L		92	60 - 136
1,2,3-Trichloropropane	5.00	4.02		ug/L		80	67 - 135
1,2,4-Trichlorobenzene	5.00	4.69		ug/L		94	60 - 130
1,2,4-Trimethylbenzene	5.00	4.08		ug/L		82	71 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.51		ug/L		90	55 - 135
1,2-Dichlorobenzene	5.00	4.46		ug/L		89	72 - 129
1,2-Dichloroethane	5.00	4.66		ug/L		93	74 - 127
1,2-Dichloropropane	5.00	4.26		ug/L		85	69 - 130
1,3,5-Trimethylbenzene	5.00	4.37		ug/L		87	75 - 123
1,3-Dichlorobenzene	5.00	4.49		ug/L		90	72 - 125
1,3-Dichloropropane	5.00	4.20		ug/L		84	69 - 138
1,4-Dichlorobenzene	5.00	4.51		ug/L		90	71 - 129
2,2-Dichloropropane	5.00	4.88		ug/L		98	55 - 140
2-Chlorotoluene	5.00	4.43		ug/L		89	73 - 120
4-Chlorotoluene	5.00	4.42		ug/L		88	75 - 124
4-Isopropyltoluene	5.00	4.32		ug/L		86	78 - 125
Benzene	5.00	4.36		ug/L		87	80 - 120

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

Lab Sample ID: LCS 580-469513/4
Matrix: Water
Analysis Batch: 469513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	5.00	4.32		ug/L		86	74 - 130
Bromoform	5.00	4.17		ug/L		83	48 - 127
Bromomethane	5.00	3.65		ug/L		73	51 - 148
Carbon tetrachloride	5.00	4.76		ug/L		95	66 - 130
Chlorobenzene	5.00	4.42		ug/L		88	74 - 123
Chlorobromomethane	5.00	4.73		ug/L		95	79 - 121
Chlorodibromomethane	5.00	4.41		ug/L		88	62 - 141
Chloroethane	5.00	4.64		ug/L		93	54 - 140
Chloroform	5.00	4.76		ug/L		95	75 - 120
Chloromethane	5.00	3.75		ug/L		75	32 - 150
cis-1,2-Dichloroethene	5.00	4.83		ug/L		97	72 - 120
cis-1,3-Dichloropropene	5.00	3.87		ug/L		77	77 - 131
Dibromomethane	5.00	4.96		ug/L		99	65 - 141
Dichlorobromomethane	5.00	4.62		ug/L		92	74 - 131
Dichlorodifluoromethane	5.00	4.86		ug/L		97	20 - 150
Ethylbenzene	5.00	4.52		ug/L		90	80 - 124
Ethylene Dibromide	5.00	4.40		ug/L		88	61 - 143
Hexachlorobutadiene	5.00	4.87		ug/L		97	63 - 130
Isopropylbenzene	5.00	5.07		ug/L		101	71 - 123
Methyl tert-butyl ether	5.00	4.47		ug/L		89	61 - 131
Methylene Chloride	5.00	5.43		ug/L		109	40 - 142
m-Xylene & p-Xylene	5.00	4.65		ug/L		93	75 - 124
Naphthalene	5.00	4.47		ug/L		89	54 - 137
n-Butylbenzene	5.00	4.25		ug/L		85	69 - 127
N-Propylbenzene	5.00	4.46		ug/L		89	72 - 126
o-Xylene	5.00	4.55		ug/L		91	71 - 124
sec-Butylbenzene	5.00	4.53		ug/L		91	75 - 126
Styrene	5.00	4.75		ug/L		95	74 - 127
tert-Butylbenzene	5.00	4.36		ug/L		87	70 - 129
Tetrachloroethene	5.00	4.61		ug/L		92	75 - 124
Toluene	5.00	4.28		ug/L		86	80 - 126
trans-1,2-Dichloroethene	5.00	4.64		ug/L		93	69 - 121
trans-1,3-Dichloropropene	5.00	4.35		ug/L		87	71 - 138
Trichloroethene	5.00	4.43		ug/L		89	72 - 120
Trichlorofluoromethane	5.00	5.16		ug/L		103	60 - 132
Vinyl chloride	5.00	4.58		ug/L		92	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: LCSD 580-469513/5
Matrix: Water
Analysis Batch: 469513

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	4.14		ug/L		83	69 - 127	1	22
1,1,1-Trichloroethane			5.00	4.61		ug/L		92	70 - 121	4	24
1,1,2,2-Tetrachloroethane			5.00	3.92		ug/L		78	67 - 136	6	24
1,1,2-Trichloroethane			5.00	3.86		ug/L		77	73 - 127	5	22
1,1-Dichloroethane			5.00	4.66		ug/L		93	74 - 120	1	26
1,1-Dichloroethene			5.00	4.67		ug/L		93	60 - 129	2	29
1,1-Dichloropropene			5.00	4.33		ug/L		87	72 - 125	3	23
1,2,3-Trichlorobenzene			5.00	4.60		ug/L		92	60 - 136	0	28
1,2,3-Trichloropropane			5.00	3.92		ug/L		78	67 - 135	3	25
1,2,4-Trichlorobenzene			5.00	4.75		ug/L		95	60 - 130	1	26
1,2,4-Trimethylbenzene			5.00	4.11		ug/L		82	71 - 127	1	23
1,2-Dibromo-3-Chloropropane			5.00	4.13		ug/L		83	55 - 135	9	29
1,2-Dichlorobenzene			5.00	4.57		ug/L		91	72 - 129	3	22
1,2-Dichloroethane			5.00	4.54		ug/L		91	74 - 127	3	21
1,2-Dichloropropane			5.00	4.30		ug/L		86	69 - 130	1	22
1,3,5-Trimethylbenzene			5.00	4.43		ug/L		89	75 - 123	1	23
1,3-Dichlorobenzene			5.00	4.61		ug/L		92	72 - 125	3	22
1,3-Dichloropropane			5.00	4.00		ug/L		80	69 - 138	5	19
1,4-Dichlorobenzene			5.00	4.51		ug/L		90	71 - 129	0	22
2,2-Dichloropropane			5.00	4.80		ug/L		96	55 - 140	2	31
2-Chlorotoluene			5.00	4.49		ug/L		90	73 - 120	1	22
4-Chlorotoluene			5.00	4.45		ug/L		89	75 - 124	1	23
4-Isopropyltoluene			5.00	4.47		ug/L		89	78 - 125	3	24
Benzene			5.00	4.29		ug/L		86	80 - 120	2	22
Bromobenzene			5.00	4.32		ug/L		86	74 - 130	0	23
Bromoform			5.00	3.85		ug/L		77	48 - 127	8	23
Bromomethane			5.00	3.83		ug/L		77	51 - 148	5	35
Carbon tetrachloride			5.00	4.51		ug/L		90	66 - 130	5	24
Chlorobenzene			5.00	4.27		ug/L		85	74 - 123	4	21
Chlorobromomethane			5.00	4.79		ug/L		96	79 - 121	1	20
Chlorodibromomethane			5.00	4.05		ug/L		81	62 - 141	9	22
Chloroethane			5.00	4.71		ug/L		94	54 - 140	1	33
Chloroform			5.00	4.76		ug/L		95	75 - 120	0	21
Chloromethane			5.00	3.85		ug/L		77	32 - 150	3	33
cis-1,2-Dichloroethene			5.00	4.68		ug/L		94	72 - 120	3	22
cis-1,3-Dichloropropene			5.00	3.75	*-	ug/L		75	77 - 131	3	24
Dibromomethane			5.00	4.90		ug/L		98	65 - 141	1	22
Dichlorobromomethane			5.00	4.43		ug/L		89	74 - 131	4	21
Dichlorodifluoromethane			5.00	4.87		ug/L		97	20 - 150	0	30
Ethylbenzene			5.00	4.52		ug/L		90	80 - 124	0	22
Ethylene Dibromide			5.00	4.10		ug/L		82	61 - 143	7	22
Hexachlorobutadiene			5.00	4.97		ug/L		99	63 - 130	2	26
Isopropylbenzene			5.00	5.10		ug/L		102	71 - 123	1	23
Methyl tert-butyl ether			5.00	4.14		ug/L		83	61 - 131	8	27
Methylene Chloride			5.00	5.16		ug/L		103	40 - 142	5	25
m-Xylene & p-Xylene			5.00	4.58		ug/L		92	75 - 124	2	22
Naphthalene			5.00	4.40		ug/L		88	54 - 137	2	28
n-Butylbenzene			5.00	4.36		ug/L		87	69 - 127	3	24

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

Lab Sample ID: LCSD 580-469513/5
Matrix: Water
Analysis Batch: 469513

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Propylbenzene			5.00	4.58		ug/L		92	72 - 126	3	20
o-Xylene			5.00	4.54		ug/L		91	71 - 124	0	23
sec-Butylbenzene			5.00	4.63		ug/L		93	75 - 126	2	23
Styrene			5.00	4.70		ug/L		94	74 - 127	1	22
tert-Butylbenzene			5.00	4.40		ug/L		88	70 - 129	1	24
Tetrachloroethene			5.00	4.47		ug/L		89	75 - 124	3	20
Toluene			5.00	4.22		ug/L		84	80 - 126	2	20
trans-1,2-Dichloroethene			5.00	4.66		ug/L		93	69 - 121	0	27
trans-1,3-Dichloropropene			5.00	4.19		ug/L		84	71 - 138	4	26
Trichloroethene			5.00	4.38		ug/L		88	72 - 120	1	22
Trichlorofluoromethane			5.00	5.20		ug/L		104	60 - 132	1	32
Vinyl chloride			5.00	4.73		ug/L		95	41 - 150	3	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 580-469625/11
Matrix: Water
Analysis Batch: 469625

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.11	ug/L			08/28/24 15:23	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/28/24 15:23	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/28/24 15:23	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/28/24 15:23	1
1,1-Dichloroethane	ND		0.20	0.064	ug/L			08/28/24 15:23	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/28/24 15:23	1
1,1-Dichloropropene	ND		0.20	0.084	ug/L			08/28/24 15:23	1
1,2,3-Trichlorobenzene	ND		1.5	0.47	ug/L			08/28/24 15:23	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/28/24 15:23	1
1,2,4-Trichlorobenzene	ND		1.5	0.36	ug/L			08/28/24 15:23	1
1,2,4-Trimethylbenzene	ND		0.55	0.23	ug/L			08/28/24 15:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.48	ug/L			08/28/24 15:23	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/28/24 15:23	1
1,2-Dichloroethane	ND		0.25	0.12	ug/L			08/28/24 15:23	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/28/24 15:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			08/28/24 15:23	1
1,3-Dichlorobenzene	ND		0.30	0.050	ug/L			08/28/24 15:23	1
1,3-Dichloropropane	ND		0.20	0.056	ug/L			08/28/24 15:23	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/28/24 15:23	1
2,2-Dichloropropane	ND		0.50	0.060	ug/L			08/28/24 15:23	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/28/24 15:23	1
4-Chlorotoluene	ND		0.30	0.12	ug/L			08/28/24 15:23	1
4-Isopropyltoluene	ND		0.50	0.25	ug/L			08/28/24 15:23	1
Benzene	ND		0.20	0.030	ug/L			08/28/24 15:23	1

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

Lab Sample ID: MB 580-469625/11
Matrix: Water
Analysis Batch: 469625

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.20	0.038	ug/L			08/28/24 15:23	1
Bromoform	ND		0.50	0.16	ug/L			08/28/24 15:23	1
Bromomethane	ND		0.50	0.13	ug/L			08/28/24 15:23	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/28/24 15:23	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/28/24 15:23	1
Chlorobromomethane	ND		0.20	0.050	ug/L			08/28/24 15:23	1
Chlorodibromomethane	ND		0.20	0.055	ug/L			08/28/24 15:23	1
Chloroethane	ND		0.50	0.24	ug/L			08/28/24 15:23	1
Chloroform	ND		0.20	0.030	ug/L			08/28/24 15:23	1
Chloromethane	ND		0.50	0.14	ug/L			08/28/24 15:23	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/28/24 15:23	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/28/24 15:23	1
Dibromomethane	ND		0.20	0.062	ug/L			08/28/24 15:23	1
Dichlorobromomethane	ND		0.20	0.060	ug/L			08/28/24 15:23	1
Dichlorodifluoromethane	ND		0.40	0.13	ug/L			08/28/24 15:23	1
Ethylbenzene	ND		0.20	0.082	ug/L			08/28/24 15:23	1
Ethylene Dibromide	ND		0.15	0.067	ug/L			08/28/24 15:23	1
Hexachlorobutadiene	ND		0.50	0.16	ug/L			08/28/24 15:23	1
Isopropylbenzene	ND		1.0	0.27	ug/L			08/28/24 15:23	1
Methyl tert-butyl ether	ND		0.30	0.070	ug/L			08/28/24 15:23	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/28/24 15:23	1
m-Xylene & p-Xylene	ND		0.50	0.12	ug/L			08/28/24 15:23	1
Naphthalene	ND		1.5	0.52	ug/L			08/28/24 15:23	1
n-Butylbenzene	ND		1.0	0.35	ug/L			08/28/24 15:23	1
N-Propylbenzene	ND		0.30	0.091	ug/L			08/28/24 15:23	1
o-Xylene	ND		0.50	0.23	ug/L			08/28/24 15:23	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			08/28/24 15:23	1
Styrene	ND		1.0	0.33	ug/L			08/28/24 15:23	1
tert-Butylbenzene	ND		0.50	0.26	ug/L			08/28/24 15:23	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/28/24 15:23	1
Toluene	ND		0.20	0.050	ug/L			08/28/24 15:23	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/28/24 15:23	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/28/24 15:23	1
Trichloroethene	ND		0.20	0.066	ug/L			08/28/24 15:23	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/28/24 15:23	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/28/24 15:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/28/24 15:23*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*08/28/24 15:23*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/28/24 15:23*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/28/24 15:23*	*1*

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

Lab Sample ID: LCS 580-469625/6
Matrix: Water
Analysis Batch: 469625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.56		ug/L		91	69 - 127
1,1,1-Trichloroethane	5.00	5.18		ug/L		104	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.11		ug/L		82	67 - 136
1,1,2-Trichloroethane	5.00	4.39		ug/L		88	73 - 127
1,1-Dichloroethane	5.00	4.94		ug/L		99	74 - 120
1,1-Dichloroethene	5.00	4.85		ug/L		97	60 - 129
1,1-Dichloropropene	5.00	4.86		ug/L		97	72 - 125
1,2,3-Trichlorobenzene	5.00	4.82		ug/L		96	60 - 136
1,2,3-Trichloropropane	5.00	4.37		ug/L		87	67 - 135
1,2,4-Trichlorobenzene	5.00	5.19		ug/L		104	60 - 130
1,2,4-Trimethylbenzene	5.00	4.63		ug/L		93	71 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.55		ug/L		91	55 - 135
1,2-Dichlorobenzene	5.00	4.86		ug/L		97	72 - 129
1,2-Dichloroethane	5.00	5.09		ug/L		102	74 - 127
1,2-Dichloropropane	5.00	4.63		ug/L		93	69 - 130
1,3,5-Trimethylbenzene	5.00	4.91		ug/L		98	75 - 123
1,3-Dichlorobenzene	5.00	4.88		ug/L		98	72 - 125
1,3-Dichloropropane	5.00	4.59		ug/L		92	69 - 138
1,4-Dichlorobenzene	5.00	4.74		ug/L		95	71 - 129
2,2-Dichloropropane	5.00	5.08		ug/L		102	55 - 140
2-Chlorotoluene	5.00	4.72		ug/L		94	73 - 120
4-Chlorotoluene	5.00	4.77		ug/L		95	75 - 124
4-Isopropyltoluene	5.00	4.72		ug/L		94	78 - 125
Benzene	5.00	4.70		ug/L		94	80 - 120
Bromobenzene	5.00	4.58		ug/L		92	74 - 130
Bromoform	5.00	4.39		ug/L		88	48 - 127
Bromomethane	5.00	4.62		ug/L		92	51 - 148
Carbon tetrachloride	5.00	5.00		ug/L		100	66 - 130
Chlorobenzene	5.00	4.68		ug/L		94	74 - 123
Chlorobromomethane	5.00	5.06		ug/L		101	79 - 121
Chlorodibromomethane	5.00	4.70		ug/L		94	62 - 141
Chloroethane	5.00	4.71		ug/L		94	54 - 140
Chloroform	5.00	5.20		ug/L		104	75 - 120
Chloromethane	5.00	3.87		ug/L		77	32 - 150
cis-1,2-Dichloroethene	5.00	5.06		ug/L		101	72 - 120
cis-1,3-Dichloropropene	5.00	4.24		ug/L		85	77 - 131
Dibromomethane	5.00	5.44		ug/L		109	65 - 141
Dichlorobromomethane	5.00	5.09		ug/L		102	74 - 131
Dichlorodifluoromethane	5.00	4.80		ug/L		96	20 - 150
Ethylbenzene	5.00	4.86		ug/L		97	80 - 124
Ethylene Dibromide	5.00	4.79		ug/L		96	61 - 143
Hexachlorobutadiene	5.00	5.26		ug/L		105	63 - 130
Isopropylbenzene	5.00	5.43		ug/L		109	71 - 123
Methyl tert-butyl ether	5.00	4.72		ug/L		94	61 - 131
Methylene Chloride	5.00	5.35		ug/L		107	40 - 142
m-Xylene & p-Xylene	5.00	5.01		ug/L		100	75 - 124
Naphthalene	5.00	4.76		ug/L		95	54 - 137
n-Butylbenzene	5.00	4.67		ug/L		93	69 - 127

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

Lab Sample ID: LCS 580-469625/6
Matrix: Water
Analysis Batch: 469625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-Propylbenzene			5.00	4.75		ug/L		95	72 - 126		
o-Xylene			5.00	4.89		ug/L		98	71 - 124		
sec-Butylbenzene			5.00	4.79		ug/L		96	75 - 126		
Styrene			5.00	5.05		ug/L		101	74 - 127		
tert-Butylbenzene			5.00	4.65		ug/L		93	70 - 129		
Tetrachloroethene			5.00	4.91		ug/L		98	75 - 124		
Toluene			5.00	4.55		ug/L		91	80 - 126		
trans-1,2-Dichloroethene			5.00	4.93		ug/L		99	69 - 121		
trans-1,3-Dichloropropene			5.00	4.74		ug/L		95	71 - 138		
Trichloroethene			5.00	4.79		ug/L		96	72 - 120		
Trichlorofluoromethane			5.00	5.17		ug/L		103	60 - 132		
Vinyl chloride			5.00	4.70		ug/L		94	41 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 580-469625/7
Matrix: Water
Analysis Batch: 469625

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	4.52		ug/L		90	69 - 127	1	22
1,1,1-Trichloroethane			5.00	5.20		ug/L		104	70 - 121	0	24
1,1,2,2-Tetrachloroethane			5.00	4.34		ug/L		87	67 - 136	5	24
1,1,2-Trichloroethane			5.00	4.55		ug/L		91	73 - 127	4	22
1,1-Dichloroethane			5.00	5.16		ug/L		103	74 - 120	4	26
1,1-Dichloroethene			5.00	5.05		ug/L		101	60 - 129	4	29
1,1-Dichloropropene			5.00	4.66		ug/L		93	72 - 125	4	23
1,2,3-Trichlorobenzene			5.00	5.22		ug/L		104	60 - 136	8	28
1,2,3-Trichloropropane			5.00	4.46		ug/L		89	67 - 135	2	25
1,2,4-Trichlorobenzene			5.00	5.41		ug/L		108	60 - 130	4	26
1,2,4-Trimethylbenzene			5.00	4.67		ug/L		93	71 - 127	1	23
1,2-Dibromo-3-Chloropropane			5.00	4.55		ug/L		91	55 - 135	0	29
1,2-Dichlorobenzene			5.00	5.00		ug/L		100	72 - 129	3	22
1,2-Dichloroethane			5.00	5.12		ug/L		102	74 - 127	1	21
1,2-Dichloropropane			5.00	4.70		ug/L		94	69 - 130	2	22
1,3,5-Trimethylbenzene			5.00	4.89		ug/L		98	75 - 123	1	23
1,3-Dichlorobenzene			5.00	5.12		ug/L		102	72 - 125	5	22
1,3-Dichloropropane			5.00	4.56		ug/L		91	69 - 138	1	19
1,4-Dichlorobenzene			5.00	4.91		ug/L		98	71 - 129	4	22
2,2-Dichloropropane			5.00	5.12		ug/L		102	55 - 140	1	31
2-Chlorotoluene			5.00	4.82		ug/L		96	73 - 120	2	22
4-Chlorotoluene			5.00	4.96		ug/L		99	75 - 124	4	23
4-Isopropyltoluene			5.00	4.90		ug/L		98	78 - 125	4	24
Benzene			5.00	4.78		ug/L		96	80 - 120	2	22

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

Lab Sample ID: LCSD 580-469625/7
Matrix: Water
Analysis Batch: 469625

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromobenzene			5.00	4.78		ug/L		96	74 - 130	4	23
Bromoform			5.00	4.67		ug/L		93	48 - 127	6	23
Bromomethane			5.00	5.02		ug/L		100	51 - 148	8	35
Carbon tetrachloride			5.00	5.07		ug/L		101	66 - 130	1	24
Chlorobenzene			5.00	4.87		ug/L		97	74 - 123	4	21
Chlorobromomethane			5.00	5.24		ug/L		105	79 - 121	3	20
Chlorodibromomethane			5.00	4.74		ug/L		95	62 - 141	1	22
Chloroethane			5.00	5.04		ug/L		101	54 - 140	7	33
Chloroform			5.00	5.29		ug/L		106	75 - 120	2	21
Chloromethane			5.00	4.15		ug/L		83	32 - 150	7	33
cis-1,2-Dichloroethene			5.00	5.25		ug/L		105	72 - 120	4	22
cis-1,3-Dichloropropene			5.00	4.26		ug/L		85	77 - 131	1	24
Dibromomethane			5.00	5.66		ug/L		113	65 - 141	4	22
Dichlorobromomethane			5.00	5.02		ug/L		100	74 - 131	2	21
Dichlorodifluoromethane			5.00	4.97		ug/L		99	20 - 150	3	30
Ethylbenzene			5.00	4.97		ug/L		99	80 - 124	2	22
Ethylene Dibromide			5.00	4.78		ug/L		96	61 - 143	0	22
Hexachlorobutadiene			5.00	5.37		ug/L		107	63 - 130	2	26
Isopropylbenzene			5.00	5.70		ug/L		114	71 - 123	5	23
Methyl tert-butyl ether			5.00	4.68		ug/L		94	61 - 131	1	27
Methylene Chloride			5.00	5.60		ug/L		112	40 - 142	5	25
m-Xylene & p-Xylene			5.00	5.14		ug/L		103	75 - 124	3	22
Naphthalene			5.00	4.96		ug/L		99	54 - 137	4	28
n-Butylbenzene			5.00	4.61		ug/L		92	69 - 127	1	24
N-Propylbenzene			5.00	4.84		ug/L		97	72 - 126	2	20
o-Xylene			5.00	5.17		ug/L		103	71 - 124	6	23
sec-Butylbenzene			5.00	4.91		ug/L		98	75 - 126	2	23
Styrene			5.00	5.29		ug/L		106	74 - 127	5	22
tert-Butylbenzene			5.00	4.78		ug/L		96	70 - 129	3	24
Tetrachloroethene			5.00	5.09		ug/L		102	75 - 124	3	20
Toluene			5.00	4.65		ug/L		93	80 - 126	2	20
trans-1,2-Dichloroethene			5.00	5.10		ug/L		102	69 - 121	3	27
trans-1,3-Dichloropropene			5.00	4.80		ug/L		96	71 - 138	1	26
Trichloroethene			5.00	4.79		ug/L		96	72 - 120	0	22
Trichlorofluoromethane			5.00	5.49		ug/L		110	60 - 132	6	32
Vinyl chloride			5.00	4.82		ug/L		96	41 - 150	2	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Chronicle

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143019-1

Client Sample ID: MW-1
Date Collected: 08/13/24 16:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	469513	AA	EET SEA	08/27/24 19:52
Total/NA	Analysis	8260D	RA	1	469625	AA	EET SEA	08/28/24 16:00

Client Sample ID: MW-3
Date Collected: 08/13/24 17:15
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	469625	AA	EET SEA	08/28/24 16:23

Client Sample ID: MW-4
Date Collected: 08/14/24 09:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143019-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	469513	AA	EET SEA	08/27/24 19:29
Total/NA	Analysis	8260D	RA	1	469625	AA	EET SEA	08/28/24 16:46

Laboratory References:

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

Accreditation/Certification Summary

Client: Hart & Hickman, PC
Job ID: 580-143019-1
Project/Site: Northwest Motorsports - Puyallup

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25

Sample Summary

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143019-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-143019-1	MW-1	Water	08/13/24 16:00	08/16/24 12:18
580-143019-3	MW-3	Water	08/13/24 17:15	08/16/24 12:18
580-143019-4	MW-4	Water	08/14/24 09:30	08/16/24 12:18

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Tyler Schulz	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Tyler Schulz	Phone: 704-607-3877	E-Mail:	State of Origin: WA	Page: ~~Page 1 of 1~~ 1 of 1
Company: Hart & Hickman, P.C.	PWSID:			Job #:

Address: 2923 S. Tryon St, Suite 100	Due Date Requested:	Analysis Requested
City: Charlotte	TAT Requested (days): Standard 5 Day TAT	
State, Zip: NC 28203	Compliance Project: Δ Yes Δ No	
Phone: 704-586-0007	PO #: Purchase Order not required	
Email: TSchulz@HartHickman.com	WO #:	
Project Name: NWMS-Puyallup	Project #: SAI-413	
Site: 400 River Rd, Puyallup, WA	SSOW#:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs - 8260	Total Number of containers
			Preservation Code:				A	
MW-1	8/13/24	1600	G	W			X	
MW-2	8/14/24	1320	G	W			X	
MW-3	8/13/24	1715	G	W			X	
MW-4	8/14/24	0930	G	W			X	
MW-5	8/14/24	1515	G	W			X	
MW-6	8/15/24	1010	G	W			X	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Special Instructions/Note:
* Hold All with Extraction

580-143019 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements: Hold all samples for SB results

Empty Kit Relinquished by: ____ Date: ____ Time: ____ Method of Shipment: Pick-Up

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	8/16/24 1100	HH			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: TR11 3.8/4.4 LB/Bub/Wet/LC

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Hart & Hickman, PC

Job Number: 580-143019-1

Login Number: 143019
List Number: 1
Creator: Martinez, Lanea

List Source: Eurofins Seattle

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

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Tyler Schulz
Hart & Hickman, PC
2923 S Tryon Street
Suite 100
Charlotte, North Carolina 28203

Generated 8/23/2024 10:00:55 PM

JOB DESCRIPTION

Northwest Motorsports - Puyallup

JOB NUMBER

580-143025-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

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8/23/2024 10:00:55 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

Table of Contents

Job Narrative
580-143025-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/16/2024 12:18 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

Receipt Exceptions
Sample ID on the COC does not match the sample ID on the sample containers for sample SB-18 (6'-8') (580-143025-18). Logged in reference to the COC.

Sample ID on the COC: "SB-18 (6'-8')
Sample ID on the Containers: "SB-18 (12'-14')

GC/MS VOA
Method 8260D: The following samples were provided to the laboratory with a significantly different initial weight than that required by the reference method: SB-5R (2'-4') (580-143025-1) and SB-13 (2'-4') (580-143025-3). Deviations in the weight by more than 20% may affect reporting limits and potentially method performance. The method specifies 5g. The amount provided was below this range.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 580-468849 and analytical batch 580-468850 recovered outside control limits for the following analytes: Isopropylbenzene and trans-1,3-Dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 580-468911 and analytical batch 580-468912 recovered outside control limits for the following analytes: trans-1,3-Dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Hydrocarbons
Method NWTPH_Dx: The sample duplicate (DUP) precision for preparation batch 580-468838 and analytical batch 580-469098 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. The laboratory control sample (LCS) for the batch was within acceptance limits.

Method NWTPH_Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not the typical diesel fuel pattern used by the laboratory for quantitative purposes: SB-5R (2'-4') (580-143025-1), SB-5R (4'-6') (580-143025-2), SB-13 (2'-4') (580-143025-3), SB-13 (4'-6') (580-143025-4), SB-3R (10'-12') (580-143025-10), SB-16 (10'-12') (580-143025-13), SB-17 (6'-8') (580-143025-15), SB-17 (10'-12') (580-143025-16) and SB-18 (6'-8') (580-143025-18).

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

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-5R (2'-4')
Date Collected: 08/14/24 12:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-1
Matrix: Solid
Percent Solids: 95.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0041	0.00081	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,1,1-Trichloroethane	**0.0020**	**J**	0.0027	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,1,2,2-Tetrachloroethane	ND		0.0041	0.00031	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,1,2-Trichloroethane	ND		0.0027	0.00072	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,1-Dichloroethane	ND		0.0027	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,1-Dichloroethene	ND		0.0069	0.0029	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,1-Dichloropropene	ND		0.0041	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2,3-Trichlorobenzene	ND		0.014	0.00082	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2,3-Trichloropropane	ND		0.0068	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2,4-Trichlorobenzene	ND		0.0041	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2,4-Trimethylbenzene	ND		0.0068	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2-Dibromo-3-Chloropropane	ND		0.014	0.0022	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2-Dibromoethane	ND		0.0014	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2-Dichlorobenzene	ND		0.014	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2-Dichloroethane	ND		0.0027	0.00085	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,2-Dichloropropane	ND		0.0027	0.00068	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,3,5-Trimethylbenzene	ND		0.0068	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,3-Dichlorobenzene	ND		0.0068	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,3-Dichloropropane	ND		0.0027	0.00031	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
1,4-Dichlorobenzene	ND		0.0068	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
2,2-Dichloropropane	ND		0.0068	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
2-Chlorotoluene	ND		0.0068	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
4-Chlorotoluene	ND		0.0068	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
4-Isopropyltoluene	ND		0.0027	0.00055	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Benzene	ND		0.0027	0.00053	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Bromobenzene	ND		0.014	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Bromochloromethane	ND		0.0027	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Bromodichloromethane	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Bromoform	ND		0.0068	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Bromomethane	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Carbon tetrachloride	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Chlorobenzene	ND		0.0027	0.00034	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Chloroethane	ND		0.014	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Chloroform	ND		0.0041	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Chloromethane	ND		0.0068	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
cis-1,2-Dichloroethene	ND		0.0041	0.00031	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
cis-1,3-Dichloropropene	ND		0.0014	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Dibromochloromethane	ND		0.0027	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Dibromomethane	ND		0.0027	0.00057	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Dichlorodifluoromethane	ND		0.0041	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Ethylbenzene	ND		0.0027	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Hexachlorobutadiene	ND		0.0041	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Isopropylbenzene	ND	*+	0.0041	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Methyl tert-butyl ether	ND		0.0027	0.00041	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Methylene Chloride	ND		0.055	0.014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
m-Xylene & p-Xylene	ND		0.014	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Naphthalene	ND		0.014	0.0025	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
n-Butylbenzene	ND		0.0041	0.00086	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
N-Propylbenzene	ND		0.0068	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1

Client Sample ID: SB-5R (2'-4')
Date Collected: 08/14/24 12:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-1
Matrix: Solid
Percent Solids: 95.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0068	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
sec-Butylbenzene	ND		0.0041	0.00092	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Styrene	ND		0.0041	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
t-Butylbenzene	ND		0.0041	0.00090	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Tetrachloroethene	**0.014**		0.0027	0.00055	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Toluene	ND		0.014	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
trans-1,2-Dichloroethene	ND		0.0048	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
trans-1,3-Dichloropropene	ND	*+	0.014	0.00082	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Trichloroethene	ND		0.0027	0.00041	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Trichlorofluoromethane	ND		0.012	0.0053	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1
Vinyl chloride	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 121*	*08/20/24 13:15*	*08/20/24 15:30*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:30*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:30*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**680**		98	24	mg/Kg	☼	08/20/24 12:10	08/22/24 14:36	2
Motor Oil (>C24-C36)	**2800**		98	34	mg/Kg	☼	08/20/24 12:10	08/22/24 14:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*08/20/24 12:10*	*08/22/24 14:36*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**95.2**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**4.8**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-5R (4'-6')
Date Collected: 08/14/24 12:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-2
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0033	0.00064	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,1,1-Trichloroethane	**0.0015**	**J**	0.0022	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,1,2,2-Tetrachloroethane	ND		0.0033	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,1,2-Trichloroethane	ND		0.0022	0.00057	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,1-Dichloroethane	ND		0.0022	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,1-Dichloroethene	ND		0.0054	0.0023	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,1-Dichloropropene	ND		0.0033	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2,3-Trichlorobenzene	ND		0.011	0.00065	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2,3-Trichloropropane	ND		0.0054	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2,4-Trichlorobenzene	ND		0.0033	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2,4-Trimethylbenzene	ND		0.0054	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2-Dibromoethane	ND		0.0011	0.00022	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2-Dichlorobenzene	ND		0.011	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2-Dichloroethane	ND		0.0022	0.00067	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,2-Dichloropropane	ND		0.0022	0.00054	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,3,5-Trimethylbenzene	ND		0.0054	0.00088	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,3-Dichlorobenzene	ND		0.0054	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,3-Dichloropropane	ND		0.0022	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
1,4-Dichlorobenzene	ND		0.0054	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
2,2-Dichloropropane	ND		0.0054	0.00083	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
2-Chlorotoluene	ND		0.0054	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
4-Chlorotoluene	ND		0.0054	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
4-Isopropyltoluene	ND		0.0022	0.00043	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Benzene	ND		0.0022	0.00042	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Bromobenzene	ND		0.011	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Bromochloromethane	ND		0.0022	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Bromodichloromethane	ND		0.0022	0.00096	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Bromoform	ND		0.0054	0.00091	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Bromomethane	ND		0.0022	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Carbon tetrachloride	ND		0.0022	0.00093	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Chlorobenzene	ND		0.0022	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Chloroethane	ND		0.011	0.00081	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Chloroform	ND		0.0033	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Chloromethane	ND		0.0054	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
cis-1,2-Dichloroethene	ND		0.0033	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
cis-1,3-Dichloropropene	ND		0.0011	0.00022	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Dibromochloromethane	ND		0.0022	0.00061	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Dibromomethane	ND		0.0022	0.00046	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Dichlorodifluoromethane	ND		0.0033	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Ethylbenzene	ND		0.0022	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Hexachlorobutadiene	ND		0.0033	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Isopropylbenzene	ND	*+	0.0033	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Methyl tert-butyl ether	ND		0.0022	0.00033	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Methylene Chloride	ND		0.043	0.011	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
m-Xylene & p-Xylene	ND		0.011	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Naphthalene	ND		0.011	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
n-Butylbenzene	ND		0.0033	0.00068	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
N-Propylbenzene	ND		0.0054	0.00082	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1

Client Sample ID: SB-5R (4'-6')
Date Collected: 08/14/24 12:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-2
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0054	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
sec-Butylbenzene	ND		0.0033	0.00073	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Styrene	ND		0.0033	0.00080	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
t-Butylbenzene	ND		0.0033	0.00072	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Tetrachloroethene	**0.0069**		0.0022	0.00043	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Toluene	ND		0.011	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
trans-1,2-Dichloroethene	ND		0.0038	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
trans-1,3-Dichloropropene	ND	*+	0.011	0.00065	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Trichloroethene	ND		0.0022	0.00033	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Trichlorofluoromethane	ND		0.0092	0.0042	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1
Vinyl chloride	ND		0.0022	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 121*	*08/20/24 13:15*	*08/20/24 15:49*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:49*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:49*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**1000**		99	24	mg/Kg	☼	08/20/24 12:10	08/22/24 14:56	2
Motor Oil (>C24-C36)	**3900**		99	35	mg/Kg	☼	08/20/24 12:10	08/22/24 14:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*50 - 150*	*08/20/24 12:10*	*08/22/24 14:56*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**94.7**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**5.3**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-13 (2'-4')
Date Collected: 08/14/24 13:25
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-3
Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0042	0.00083	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,1,1-Trichloroethane	ND		0.0028	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,1,2,2-Tetrachloroethane	ND		0.0042	0.00032	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,1,2-Trichloroethane	ND		0.0028	0.00074	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,1-Dichloroethane	ND		0.0028	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,1-Dichloroethene	ND		0.0070	0.0030	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,1-Dichloropropene	ND		0.0042	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2,3-Trichlorobenzene	ND		0.014	0.00084	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2,3-Trichloropropane	ND		0.0070	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2,4-Trichlorobenzene	ND		0.0042	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2,4-Trimethylbenzene	ND		0.0070	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2-Dibromo-3-Chloropropane	ND		0.014	0.0022	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2-Dibromoethane	ND		0.0014	0.00028	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2-Dichlorobenzene	ND		0.014	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2-Dichloroethane	ND		0.0028	0.00087	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,2-Dichloropropane	ND		0.0028	0.00070	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,3,5-Trimethylbenzene	ND		0.0070	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,3-Dichlorobenzene	ND		0.0070	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,3-Dichloropropane	ND		0.0028	0.00032	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
1,4-Dichlorobenzene	ND		0.0070	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
2,2-Dichloropropane	ND		0.0070	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
2-Chlorotoluene	ND		0.0070	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
4-Chlorotoluene	ND		0.0070	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
4-Isopropyltoluene	ND		0.0028	0.00056	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Benzene	ND		0.0028	0.00055	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Bromobenzene	ND		0.014	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Bromochloromethane	ND		0.0028	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Bromodichloromethane	ND		0.0028	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Bromoform	ND		0.0070	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Bromomethane	ND		0.0028	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Carbon tetrachloride	ND		0.0028	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Chlorobenzene	ND		0.0028	0.00035	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Chloroethane	ND		0.014	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Chloroform	ND		0.0042	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Chloromethane	ND		0.0070	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
cis-1,2-Dichloroethene	ND		0.0042	0.00032	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
cis-1,3-Dichloropropene	ND		0.0014	0.00028	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Dibromochloromethane	ND		0.0028	0.00079	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Dibromomethane	ND		0.0028	0.00059	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Dichlorodifluoromethane	ND		0.0042	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Ethylbenzene	ND		0.0028	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Hexachlorobutadiene	ND		0.0042	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Isopropylbenzene	ND	*+	0.0042	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Methyl tert-butyl ether	ND		0.0028	0.00042	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Methylene Chloride	ND		0.056	0.014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
m-Xylene & p-Xylene	ND		0.014	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Naphthalene	ND		0.014	0.0025	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
n-Butylbenzene	ND		0.0042	0.00088	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
N-Propylbenzene	ND		0.0070	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-13 (2'-4')
Date Collected: 08/14/24 13:25
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-3
Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0070	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
sec-Butylbenzene	ND		0.0042	0.00094	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Styrene	ND		0.0042	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
t-Butylbenzene	ND		0.0042	0.00093	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Tetrachloroethene	**0.0016**	**J**	0.0028	0.00056	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Toluene	ND		0.014	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
trans-1,2-Dichloroethene	ND		0.0049	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
trans-1,3-Dichloropropene	ND	*+	0.014	0.00084	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Trichloroethene	ND		0.0028	0.00042	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Trichlorofluoromethane	ND		0.012	0.0054	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1
Vinyl chloride	ND		0.0028	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 121*	*08/20/24 13:15*	*08/20/24 16:08*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:08*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**65**		50	12	mg/Kg	☼	08/20/24 12:10	08/22/24 15:16	1
Motor Oil (>C24-C36)	**91**		50	18	mg/Kg	☼	08/20/24 12:10	08/22/24 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*50 - 150*	*08/20/24 12:10*	*08/22/24 15:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**93.4**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**6.6**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-13 (4'-6')
Date Collected: 08/14/24 13:25
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-4
Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0040	0.00078	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,1,1-Trichloroethane	ND		0.0027	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,1,2,2-Tetrachloroethane	ND		0.0040	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,1,2-Trichloroethane	ND		0.0027	0.00070	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,1-Dichloroethane	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,1-Dichloroethene	ND		0.0066	0.0028	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,1-Dichloropropene	ND		0.0040	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2,3-Trichlorobenzene	ND		0.013	0.00079	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2,3-Trichloropropane	ND		0.0066	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2,4-Trichlorobenzene	ND		0.0040	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2,4-Trimethylbenzene	ND		0.0066	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2-Dibromo-3-Chloropropane	ND		0.013	0.0021	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2-Dibromoethane	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2-Dichlorobenzene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2-Dichloroethane	ND		0.0027	0.00082	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,2-Dichloropropane	ND		0.0026	0.00066	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,3,5-Trimethylbenzene	ND		0.0066	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,3-Dichlorobenzene	ND		0.0066	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,3-Dichloropropane	ND		0.0027	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
1,4-Dichlorobenzene	ND		0.0066	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
2,2-Dichloropropane	ND		0.0066	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
2-Chlorotoluene	ND		0.0066	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
4-Chlorotoluene	ND		0.0066	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
4-Isopropyltoluene	ND		0.0026	0.00053	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Benzene	ND		0.0026	0.00052	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Bromobenzene	ND		0.013	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Bromochloromethane	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Bromodichloromethane	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Bromoform	ND		0.0066	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Bromomethane	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Carbon tetrachloride	ND		0.0027	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Chlorobenzene	ND		0.0026	0.00033	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Chloroethane	ND		0.013	0.00099	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Chloroform	ND		0.0040	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Chloromethane	ND		0.0066	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
cis-1,2-Dichloroethene	ND		0.0040	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
cis-1,3-Dichloropropene	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Dibromochloromethane	ND		0.0027	0.00074	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Dibromomethane	ND		0.0026	0.00056	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Dichlorodifluoromethane	ND		0.0040	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Ethylbenzene	ND		0.0027	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Hexachlorobutadiene	ND		0.0040	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Isopropylbenzene	ND	*+	0.0040	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Methyl tert-butyl ether	ND		0.0026	0.00040	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Methylene Chloride	ND		0.053	0.013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
m-Xylene & p-Xylene	ND		0.013	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Naphthalene	ND		0.013	0.0024	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
n-Butylbenzene	ND		0.0040	0.00083	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
N-Propylbenzene	ND		0.0066	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-13 (4'-6')

Date Collected: 08/14/24 13:25
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-4

Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0066	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
sec-Butylbenzene	ND		0.0040	0.00089	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Styrene	ND		0.0040	0.00098	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
t-Butylbenzene	ND		0.0040	0.00087	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Tetrachloroethene	**0.0032**		0.0026	0.00053	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Toluene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
trans-1,2-Dichloroethene	ND		0.0046	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
trans-1,3-Dichloropropene	ND	*+	0.013	0.00079	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Trichloroethene	ND		0.0026	0.00040	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Trichlorofluoromethane	ND		0.011	0.0051	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1
Vinyl chloride	ND		0.0027	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 121*	*08/20/24 13:15*	*08/20/24 16:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:27*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**130**		53	13	mg/Kg	☼	08/20/24 12:10	08/22/24 15:36	1
Motor Oil (>C24-C36)	**150**		53	18	mg/Kg	☼	08/20/24 12:10	08/22/24 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*50 - 150*	*08/20/24 12:10*	*08/22/24 15:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**94.2**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**5.8**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-14 (2'-4')
Date Collected: 08/14/24 14:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-5
Matrix: Solid
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0037	0.00073	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,1,1-Trichloroethane	ND		0.0025	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,1,2,2-Tetrachloroethane	ND		0.0037	0.00028	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,1,2-Trichloroethane	ND		0.0025	0.00065	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,1-Dichloroethane	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,1-Dichloroethene	ND		0.0062	0.0026	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,1-Dichloropropene	ND		0.0037	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2,3-Trichlorobenzene	ND		0.012	0.00074	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2,3-Trichloropropane	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2,4-Trichlorobenzene	ND		0.0037	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2,4-Trimethylbenzene	ND		0.0062	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2-Dibromo-3-Chloropropane	ND		0.012	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2-Dibromoethane	ND		0.0012	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2-Dichlorobenzene	ND		0.012	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2-Dichloroethane	ND		0.0025	0.00076	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,2-Dichloropropane	ND		0.0025	0.00062	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,3,5-Trimethylbenzene	ND		0.0062	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,3-Dichlorobenzene	ND		0.0062	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,3-Dichloropropane	ND		0.0025	0.00028	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
1,4-Dichlorobenzene	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
2,2-Dichloropropane	ND		0.0062	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
2-Chlorotoluene	ND		0.0062	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
4-Chlorotoluene	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
4-Isopropyltoluene	ND		0.0025	0.00049	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Benzene	ND		0.0025	0.00048	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Bromobenzene	ND		0.012	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Bromochloromethane	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Bromodichloromethane	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Bromoform	ND		0.0062	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Bromomethane	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Carbon tetrachloride	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Chlorobenzene	ND		0.0025	0.00031	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Chloroethane	ND		0.012	0.00092	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Chloroform	ND		0.0037	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Chloromethane	ND		0.0062	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
cis-1,2-Dichloroethene	ND		0.0037	0.00028	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
cis-1,3-Dichloropropene	ND		0.0012	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Dibromochloromethane	ND		0.0025	0.00069	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Dibromomethane	ND		0.0025	0.00052	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Dichlorodifluoromethane	ND		0.0037	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Ethylbenzene	ND		0.0025	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Hexachlorobutadiene	ND		0.0037	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Isopropylbenzene	ND	*+	0.0037	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Methyl tert-butyl ether	ND		0.0025	0.00037	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Methylene Chloride	ND		0.049	0.012	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
m-Xylene & p-Xylene	ND		0.012	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Naphthalene	ND		0.012	0.0022	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
n-Butylbenzene	ND		0.0037	0.00078	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
N-Propylbenzene	ND		0.0062	0.00094	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1

Client Sample ID: SB-14 (2'-4')
Lab Sample ID: 580-143025-5

Date Collected: 08/14/24 14:00
Matrix: Solid

Date Received: 08/16/24 12:18
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0062	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
sec-Butylbenzene	ND		0.0037	0.00083	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Styrene	ND		0.0037	0.00091	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
t-Butylbenzene	ND		0.0037	0.00081	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Tetrachloroethene	**0.0019**	**J**	0.0025	0.00049	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Toluene	ND		0.012	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
trans-1,2-Dichloroethene	ND		0.0043	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
trans-1,3-Dichloropropene	ND	*+	0.012	0.00074	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Trichloroethene	ND		0.0025	0.00037	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Trichlorofluoromethane	ND		0.010	0.0048	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1
Vinyl chloride	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 121*	*08/20/24 13:15*	*08/20/24 16:46*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:46*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:46*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/20/24 13:15*	*08/20/24 16:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		53	13	mg/Kg	☼	08/20/24 12:10	08/22/24 16:16	1
Motor Oil (>C24-C36)	ND		53	18	mg/Kg	☼	08/20/24 12:10	08/22/24 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*08/20/24 12:10*	*08/22/24 16:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**94.3**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**5.7**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-14 (4'-6')
Date Collected: 08/14/24 14:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-6
Matrix: Solid
Percent Solids: 93.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0037	0.00073	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,1,1-Trichloroethane	ND		0.0025	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,1,2,2-Tetrachloroethane	ND		0.0037	0.00029	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,1,2-Trichloroethane	ND		0.0025	0.00066	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,1-Dichloroethane	ND		0.0025	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,1-Dichloroethene	ND		0.0062	0.0027	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,1-Dichloropropene	ND		0.0037	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2,3-Trichlorobenzene	ND		0.012	0.00074	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2,3-Trichloropropane	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2,4-Trichlorobenzene	ND		0.0037	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2,4-Trimethylbenzene	ND		0.0062	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2-Dibromo-3-Chloropropane	ND		0.012	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2-Dibromoethane	ND		0.0012	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2-Dichlorobenzene	ND		0.012	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2-Dichloroethane	ND		0.0025	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,2-Dichloropropane	ND		0.0025	0.00062	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,3,5-Trimethylbenzene	ND		0.0062	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,3-Dichlorobenzene	ND		0.0062	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,3-Dichloropropane	ND		0.0025	0.00029	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
1,4-Dichlorobenzene	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
2,2-Dichloropropane	ND		0.0062	0.00096	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
2-Chlorotoluene	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
4-Chlorotoluene	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
4-Isopropyltoluene	ND		0.0025	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Benzene	ND		0.0025	0.00048	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Bromobenzene	ND		0.012	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Bromochloromethane	ND		0.0025	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Bromodichloromethane	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Bromoform	ND		0.0062	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Bromomethane	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Carbon tetrachloride	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Chlorobenzene	ND		0.0025	0.00031	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Chloroethane	ND		0.012	0.00093	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Chloroform	ND		0.0037	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Chloromethane	ND		0.0062	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
cis-1,2-Dichloroethene	ND		0.0037	0.00029	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
cis-1,3-Dichloropropene	ND		0.0012	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Dibromochloromethane	ND		0.0025	0.00069	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Dibromomethane	ND		0.0025	0.00052	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Dichlorodifluoromethane	ND		0.0037	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Ethylbenzene	ND		0.0025	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Hexachlorobutadiene	ND		0.0037	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Isopropylbenzene	ND	*+	0.0037	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Methyl tert-butyl ether	ND		0.0025	0.00037	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Methylene Chloride	ND		0.050	0.012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
m-Xylene & p-Xylene	ND		0.012	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Naphthalene	ND		0.012	0.0022	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
n-Butylbenzene	ND		0.0037	0.00078	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
N-Propylbenzene	ND		0.0062	0.00094	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-14 (4'-6')

Date Collected: 08/14/24 14:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-6

Matrix: Solid
Percent Solids: 93.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0062	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
sec-Butylbenzene	ND		0.0037	0.00083	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Styrene	ND		0.0037	0.00092	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
t-Butylbenzene	ND		0.0037	0.00082	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Tetrachloroethene	**0.0022**	**J**	0.0025	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Toluene	ND		0.012	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
trans-1,2-Dichloroethene	ND		0.0043	0.0018	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
trans-1,3-Dichloropropene	ND	*+	0.012	0.00074	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Trichloroethene	ND		0.0025	0.00037	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Trichlorofluoromethane	ND		0.011	0.0048	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1
Vinyl chloride	ND		0.0025	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 121*	*08/20/24 13:15*	*08/20/24 17:05*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:05*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		52	13	mg/Kg	☼	08/20/24 12:10	08/22/24 16:37	1
Motor Oil (>C24-C36)	**18**	**J**	52	18	mg/Kg	☼	08/20/24 12:10	08/22/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*08/20/24 12:10*	*08/22/24 16:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**93.8**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**6.2**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-15 (2'-4')
Date Collected: 08/14/24 15:20
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-7
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0038	0.00076	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,1,1-Trichloroethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,1,2,2-Tetrachloroethane	ND		0.0038	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,1,2-Trichloroethane	ND		0.0026	0.00068	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,1-Dichloroethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,1-Dichloroethene	ND		0.0064	0.0027	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,1-Dichloropropene	ND		0.0038	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2,3-Trichlorobenzene	ND		0.013	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2,3-Trichloropropane	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2,4-Trichlorobenzene	ND		0.0039	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2-Dibromo-3-Chloropropane	ND		0.013	0.0021	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2-Dibromoethane	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2-Dichlorobenzene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2-Dichloroethane	ND		0.0026	0.00080	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,2-Dichloropropane	ND		0.0026	0.00064	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,3-Dichlorobenzene	ND		0.0064	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,3-Dichloropropane	ND		0.0026	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
1,4-Dichlorobenzene	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
2,2-Dichloropropane	ND		0.0064	0.00099	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
2-Chlorotoluene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
4-Chlorotoluene	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
4-Isopropyltoluene	ND		0.0026	0.00051	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Benzene	ND		0.0026	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Bromobenzene	ND		0.013	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Bromochloromethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Bromodichloromethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Bromoform	ND		0.0064	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Bromomethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Carbon tetrachloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Chlorobenzene	ND		0.0026	0.00032	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Chloroethane	ND		0.013	0.00096	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Chloroform	ND		0.0039	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Chloromethane	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
cis-1,2-Dichloroethene	ND		0.0038	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
cis-1,3-Dichloropropene	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Dibromochloromethane	ND		0.0026	0.00072	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Dibromomethane	ND		0.0026	0.00054	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Dichlorodifluoromethane	ND		0.0039	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Ethylbenzene	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Hexachlorobutadiene	ND		0.0039	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Isopropylbenzene	ND	*+	0.0039	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Methyl tert-butyl ether	ND		0.0026	0.00038	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Methylene Chloride	ND		0.051	0.013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
m-Xylene & p-Xylene	ND		0.013	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Naphthalene	ND		0.013	0.0023	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
n-Butylbenzene	ND		0.0038	0.00081	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
N-Propylbenzene	ND		0.0064	0.00097	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-15 (2'-4')
Date Collected: 08/14/24 15:20
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-7
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
sec-Butylbenzene	ND		0.0038	0.00086	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Styrene	ND		0.0038	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
t-Butylbenzene	ND		0.0038	0.00085	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Tetrachloroethene	ND		0.0026	0.00051	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Toluene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
trans-1,2-Dichloroethene	ND		0.0045	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
trans-1,3-Dichloropropene	ND	*+	0.013	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Trichloroethene	ND		0.0026	0.00038	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Trichlorofluoromethane	ND		0.011	0.0050	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1
Vinyl chloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 121*	*08/20/24 13:15*	*08/20/24 17:24*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:24*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:24*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		55	14	mg/Kg	☼	08/20/24 12:10	08/22/24 16:57	1
Motor Oil (>C24-C36)	ND		55	19	mg/Kg	☼	08/20/24 12:10	08/22/24 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*08/20/24 12:10*	*08/22/24 16:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**90.6**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**9.4**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-15 (4'-6')
Date Collected: 08/14/24 15:20
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-8
Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0035	0.00070	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,1,1-Trichloroethane	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,1,2,2-Tetrachloroethane	ND		0.0035	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,1,2-Trichloroethane	ND		0.0024	0.00062	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,1-Dichloroethane	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,1-Dichloroethene	ND		0.0059	0.0025	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,1-Dichloropropene	ND		0.0035	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2,3-Trichlorobenzene	ND		0.012	0.00071	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2,3-Trichloropropane	ND		0.0059	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2,4-Trichlorobenzene	ND		0.0035	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2-Dibromo-3-Chloropropane	ND		0.012	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2-Dibromoethane	ND		0.0012	0.00024	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2-Dichlorobenzene	ND		0.012	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2-Dichloroethane	ND		0.0024	0.00073	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,2-Dichloropropane	ND		0.0024	0.00059	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,3,5-Trimethylbenzene	ND		0.0059	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,3-Dichlorobenzene	ND		0.0059	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,3-Dichloropropane	ND		0.0024	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
1,4-Dichlorobenzene	ND		0.0059	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
2,2-Dichloropropane	ND		0.0059	0.00091	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
2-Chlorotoluene	ND		0.0059	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
4-Chlorotoluene	ND		0.0059	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
4-Isopropyltoluene	ND		0.0024	0.00047	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Benzene	ND		0.0024	0.00046	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Bromobenzene	ND		0.012	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Bromochloromethane	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Bromodichloromethane	ND		0.0024	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Bromoform	ND		0.0059	0.00099	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Bromomethane	ND		0.0024	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Carbon tetrachloride	ND		0.0024	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Chlorobenzene	ND		0.0024	0.00029	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Chloroethane	ND		0.012	0.00088	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Chloroform	ND		0.0035	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Chloromethane	ND		0.0059	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
cis-1,2-Dichloroethene	ND		0.0035	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
cis-1,3-Dichloropropene	ND		0.0012	0.00024	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Dibromochloromethane	ND		0.0024	0.00066	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Dibromomethane	ND		0.0024	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Dichlorodifluoromethane	ND		0.0035	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Ethylbenzene	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Hexachlorobutadiene	ND		0.0035	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Isopropylbenzene	ND	*+	0.0035	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Methyl tert-butyl ether	ND		0.0024	0.00035	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Methylene Chloride	ND		0.047	0.012	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
m-Xylene & p-Xylene	ND		0.012	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Naphthalene	ND		0.012	0.0021	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
n-Butylbenzene	ND		0.0035	0.00074	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
N-Propylbenzene	ND		0.0059	0.00090	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-15 (4'-6')

Date Collected: 08/14/24 15:20
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-8

Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0059	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
sec-Butylbenzene	ND		0.0035	0.00079	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Styrene	ND		0.0035	0.00087	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
t-Butylbenzene	ND		0.0035	0.00078	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Tetrachloroethene	ND		0.0024	0.00047	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Toluene	ND		0.012	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
trans-1,2-Dichloroethene	ND		0.0041	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
trans-1,3-Dichloropropene	ND	*+	0.012	0.00071	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Trichloroethene	ND		0.0024	0.00035	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Trichlorofluoromethane	ND		0.010	0.0046	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1
Vinyl chloride	ND		0.0024	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 121*	*08/20/24 13:15*	*08/20/24 17:43*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:43*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:43*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*08/20/24 13:15*	*08/20/24 17:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		50	12	mg/Kg	☼	08/20/24 12:10	08/22/24 17:17	1
Motor Oil (>C24-C36)	ND		50	17	mg/Kg	☼	08/20/24 12:10	08/22/24 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*08/20/24 12:10*	*08/22/24 17:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**94.4**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**5.6**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-3R (6'-8')
Date Collected: 08/15/24 15:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-9
Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0038	0.00075	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,1,1-Trichloroethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.0038	0.00029	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,1,2-Trichloroethane	ND		0.0026	0.00067	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,1-Dichloroethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,1-Dichloroethene	ND		0.0064	0.0027	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,1-Dichloropropene	ND		0.0038	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2,3-Trichlorobenzene	ND		0.013	0.00076	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2,3-Trichloropropane	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2,4-Trichlorobenzene	ND		0.0038	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2-Dibromo-3-Chloropropane	ND		0.013	0.0020	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2-Dibromoethane	ND		0.0013	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2-Dichlorobenzene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2-Dichloroethane	ND		0.0026	0.00079	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,2-Dichloropropane	ND		0.0025	0.00064	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,3-Dichlorobenzene	ND		0.0064	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,3-Dichloropropane	ND		0.0026	0.00029	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
1,4-Dichlorobenzene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
2,2-Dichloropropane	ND		0.0064	0.00098	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
2-Chlorotoluene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
4-Chlorotoluene	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
4-Isopropyltoluene	ND		0.0025	0.00051	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Benzene	ND		0.0025	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Bromobenzene	ND		0.013	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Bromochloromethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Bromodichloromethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Bromoform	ND		0.0064	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Bromomethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Carbon tetrachloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Chlorobenzene	ND		0.0025	0.00032	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Chloroethane	ND		0.013	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Chloroform	ND		0.0038	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Chloromethane	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
cis-1,2-Dichloroethene	ND		0.0038	0.00029	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
cis-1,3-Dichloropropene	ND		0.0013	0.00025	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Dibromochloromethane	ND		0.0026	0.00071	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Dibromomethane	ND		0.0025	0.00053	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Dichlorodifluoromethane	ND		0.0038	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Ethylbenzene	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Hexachlorobutadiene	ND		0.0038	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Isopropylbenzene	ND	*+	0.0038	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Methyl tert-butyl ether	ND		0.0025	0.00038	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Methylene Chloride	ND		0.051	0.013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
m-Xylene & p-Xylene	ND		0.013	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Naphthalene	ND		0.013	0.0023	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
n-Butylbenzene	ND		0.0038	0.00080	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
N-Propylbenzene	ND		0.0064	0.00097	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-3R (6'-8')

Date Collected: 08/15/24 15:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-9

Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
sec-Butylbenzene	ND		0.0038	0.00085	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Styrene	ND		0.0038	0.00094	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
t-Butylbenzene	ND		0.0038	0.00084	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Tetrachloroethene	**0.0013**	**J**	0.0025	0.00051	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Toluene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
trans-1,2-Dichloroethene	ND		0.0045	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
trans-1,3-Dichloropropene	ND	*+	0.013	0.00076	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Trichloroethene	ND		0.0025	0.00038	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Trichlorofluoromethane	ND		0.011	0.0049	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1
Vinyl chloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 121*	*08/20/24 13:15*	*08/20/24 18:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:02*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:02*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**41**	**J**	50	12	mg/Kg	☼	08/20/24 12:10	08/22/24 17:37	1
Motor Oil (>C24-C36)	**43**	**J**	50	18	mg/Kg	☼	08/20/24 12:10	08/22/24 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*50 - 150*	*08/20/24 12:10*	*08/22/24 17:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**94.4**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**5.6**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-3R (10'-12')
Date Collected: 08/15/24 15:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-10
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0039	0.00076	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,1,1-Trichloroethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,1,2,2-Tetrachloroethane	ND		0.0039	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,1,2-Trichloroethane	ND		0.0026	0.00068	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,1-Dichloroethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,1-Dichloroethene	ND		0.0064	0.0028	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,1-Dichloropropene	ND		0.0039	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2,3-Trichlorobenzene	ND		0.013	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2,3-Trichloropropane	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2,4-Trichlorobenzene	ND		0.0039	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2-Dibromo-3-Chloropropane	ND		0.013	0.0021	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2-Dibromoethane	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2-Dichlorobenzene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2-Dichloroethane	ND		0.0026	0.00080	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,2-Dichloropropane	ND		0.0026	0.00064	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,3-Dichlorobenzene	ND		0.0064	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,3-Dichloropropane	ND		0.0026	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
1,4-Dichlorobenzene	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
2,2-Dichloropropane	ND		0.0064	0.00099	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
2-Chlorotoluene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
4-Chlorotoluene	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
4-Isopropyltoluene	ND		0.0026	0.00051	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Benzene	ND		0.0026	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Bromobenzene	ND		0.013	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Bromochloromethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Bromodichloromethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Bromoform	ND		0.0064	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Bromomethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Carbon tetrachloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Chlorobenzene	ND		0.0026	0.00032	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Chloroethane	ND		0.013	0.00096	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Chloroform	ND		0.0039	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Chloromethane	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
cis-1,2-Dichloroethene	ND		0.0039	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
cis-1,3-Dichloropropene	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Dibromochloromethane	ND		0.0026	0.00072	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Dibromomethane	ND		0.0026	0.00054	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Dichlorodifluoromethane	ND		0.0039	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Ethylbenzene	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Hexachlorobutadiene	ND		0.0039	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Isopropylbenzene	ND	*+	0.0039	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Methyl tert-butyl ether	ND		0.0026	0.00039	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Methylene Chloride	ND		0.051	0.013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
m-Xylene & p-Xylene	ND		0.013	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Naphthalene	ND		0.013	0.0023	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
n-Butylbenzene	ND		0.0039	0.00081	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
N-Propylbenzene	ND		0.0064	0.00098	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-3R (10'-12')

Date Collected: 08/15/24 15:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-10

Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
sec-Butylbenzene	ND		0.0039	0.00086	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Styrene	ND		0.0039	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
t-Butylbenzene	ND		0.0039	0.00085	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Tetrachloroethene	**0.00079**	**J**	0.0026	0.00051	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Toluene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
trans-1,2-Dichloroethene	ND		0.0045	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
trans-1,3-Dichloropropene	ND	*+	0.013	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Trichloroethene	ND		0.0026	0.00039	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Trichlorofluoromethane	ND		0.011	0.0050	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1
Vinyl chloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 121*	*08/20/24 13:15*	*08/20/24 18:21*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:21*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:21*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**170**		55	14	mg/Kg	☼	08/20/24 12:10	08/22/24 17:57	1
Motor Oil (>C24-C36)	**160**		55	19	mg/Kg	☼	08/20/24 12:10	08/22/24 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*08/20/24 12:10*	*08/22/24 17:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**87.8**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**12.2**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-16 (6'-8')
Date Collected: 08/15/24 09:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-12
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0036	0.00070	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,1,1-Trichloroethane	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,1,2,2-Tetrachloroethane	ND		0.0036	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,1,2-Trichloroethane	ND		0.0024	0.00063	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,1-Dichloroethane	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,1-Dichloroethene	ND		0.0059	0.0025	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,1-Dichloropropene	ND		0.0036	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2,3-Trichlorobenzene	ND		0.012	0.00071	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2,3-Trichloropropane	ND		0.0059	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2,4-Trichlorobenzene	ND		0.0036	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2,4-Trimethylbenzene	ND		0.0059	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2-Dibromo-3-Chloropropane	ND		0.012	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2-Dibromoethane	ND		0.0012	0.00024	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2-Dichlorobenzene	ND		0.012	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2-Dichloroethane	ND		0.0024	0.00073	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,2-Dichloropropane	ND		0.0024	0.00059	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,3,5-Trimethylbenzene	ND		0.0059	0.00096	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,3-Dichlorobenzene	ND		0.0059	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,3-Dichloropropane	ND		0.0024	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
1,4-Dichlorobenzene	ND		0.0059	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
2,2-Dichloropropane	ND		0.0059	0.00091	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
2-Chlorotoluene	ND		0.0059	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
4-Chlorotoluene	ND		0.0059	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
4-Isopropyltoluene	ND		0.0024	0.00047	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Benzene	ND		0.0024	0.00046	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Bromobenzene	ND		0.012	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Bromochloromethane	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Bromodichloromethane	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Bromoform	ND		0.0059	0.00099	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Bromomethane	ND		0.0024	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Carbon tetrachloride	ND		0.0024	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Chlorobenzene	ND		0.0024	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Chloroethane	ND		0.012	0.00089	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Chloroform	ND		0.0036	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Chloromethane	ND		0.0059	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
cis-1,2-Dichloroethene	ND		0.0036	0.00027	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
cis-1,3-Dichloropropene	ND		0.0012	0.00024	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Dibromochloromethane	ND		0.0024	0.00066	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Dibromomethane	ND		0.0024	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Dichlorodifluoromethane	ND		0.0036	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Ethylbenzene	ND		0.0024	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Hexachlorobutadiene	ND		0.0036	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Isopropylbenzene	ND	*+	0.0036	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Methyl tert-butyl ether	ND		0.0024	0.00036	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Methylene Chloride	ND		0.047	0.012	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
m-Xylene & p-Xylene	ND		0.012	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Naphthalene	ND		0.012	0.0021	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
n-Butylbenzene	ND		0.0036	0.00075	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
N-Propylbenzene	ND		0.0059	0.00090	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1

Client Sample ID: SB-16 (6'-8')
Lab Sample ID: 580-143025-12

Date Collected: 08/15/24 09:00
Matrix: Solid

Date Received: 08/16/24 12:18
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0059	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
sec-Butylbenzene	ND		0.0036	0.00079	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Styrene	ND		0.0036	0.00088	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
t-Butylbenzene	ND		0.0036	0.00078	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Tetrachloroethene	**0.0047**		0.0024	0.00047	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Toluene	ND		0.012	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
trans-1,2-Dichloroethene	ND		0.0041	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
trans-1,3-Dichloropropene	ND	*+	0.012	0.00071	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Trichloroethene	ND		0.0024	0.00036	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Trichlorofluoromethane	ND		0.010	0.0046	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1
Vinyl chloride	ND		0.0024	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 121*	*08/20/24 13:15*	*08/20/24 18:58*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:58*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:58*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*08/20/24 13:15*	*08/20/24 18:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**42**	**J**	53	13	mg/Kg	☼	08/20/24 12:10	08/22/24 18:38	1
Motor Oil (>C24-C36)	**45**	**J**	53	19	mg/Kg	☼	08/20/24 12:10	08/22/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 150*	*08/20/24 12:10*	*08/22/24 18:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**90.4**		0.1	0.1	%			08/21/24 09:49	1
Percent Moisture (SM22 2540G)	**9.6**		0.1	0.1	%			08/21/24 09:49	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-16 (10'-12')
Date Collected: 08/15/24 09:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-13
Matrix: Solid
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0039	0.00076	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,1,1-Trichloroethane	ND		0.0026	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,1,2,2-Tetrachloroethane	ND		0.0039	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,1,2-Trichloroethane	ND		0.0026	0.00068	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,1-Dichloroethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,1-Dichloroethene	ND		0.0065	0.0028	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,1-Dichloropropene	ND		0.0039	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2,3-Trichlorobenzene	ND		0.013	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2,3-Trichloropropane	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2,4-Trichlorobenzene	ND		0.0039	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2,4-Trimethylbenzene	ND		0.0064	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2-Dibromo-3-Chloropropane	ND		0.013	0.0021	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2-Dibromoethane	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2-Dichlorobenzene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2-Dichloroethane	ND		0.0026	0.00080	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,2-Dichloropropane	ND		0.0026	0.00064	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,3,5-Trimethylbenzene	ND		0.0064	0.0010	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,3-Dichlorobenzene	ND		0.0064	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,3-Dichloropropane	ND		0.0026	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
1,4-Dichlorobenzene	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
2,2-Dichloropropane	ND		0.0064	0.00099	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
2-Chlorotoluene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
4-Chlorotoluene	ND		0.0064	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
4-Isopropyltoluene	ND		0.0026	0.00052	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Benzene	ND		0.0026	0.00050	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Bromobenzene	ND		0.013	0.0013	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Bromochloromethane	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Bromodichloromethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Bromoform	ND		0.0064	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Bromomethane	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Carbon tetrachloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Chlorobenzene	ND		0.0026	0.00032	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Chloroethane	ND		0.013	0.00097	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Chloroform	ND		0.0039	0.0016	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Chloromethane	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
cis-1,2-Dichloroethene	ND		0.0039	0.00030	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
cis-1,3-Dichloropropene	ND		0.0013	0.00026	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Dibromochloromethane	ND		0.0026	0.00072	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Dibromomethane	ND		0.0026	0.00054	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Dichlorodifluoromethane	ND		0.0039	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Ethylbenzene	ND		0.0026	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Hexachlorobutadiene	ND		0.0039	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Isopropylbenzene	ND	*+	0.0039	0.0014	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Methyl tert-butyl ether	ND		0.0026	0.00039	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Methylene Chloride	ND		0.052	0.013	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
m-Xylene & p-Xylene	ND		0.013	0.0015	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Naphthalene	ND		0.013	0.0023	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
n-Butylbenzene	ND		0.0039	0.00081	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
N-Propylbenzene	ND		0.0064	0.00098	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-16 (10'-12')

Date Collected: 08/15/24 09:00
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-13

Matrix: Solid
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0064	0.0012	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
sec-Butylbenzene	ND		0.0039	0.00086	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Styrene	ND		0.0039	0.00095	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
t-Butylbenzene	ND		0.0039	0.00085	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Tetrachloroethene	ND		0.0026	0.00052	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Toluene	ND		0.013	0.0017	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
trans-1,2-Dichloroethene	ND		0.0045	0.0019	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
trans-1,3-Dichloropropene	ND	*+	0.013	0.00077	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Trichloroethene	ND		0.0026	0.00039	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Trichlorofluoromethane	ND		0.011	0.0050	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1
Vinyl chloride	ND		0.0026	0.0011	mg/Kg	☼	08/20/24 13:15	08/20/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 121*	*08/20/24 13:15*	*08/20/24 19:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*08/20/24 13:15*	*08/20/24 19:17*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*	*08/20/24 13:15*	*08/20/24 19:17*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/20/24 13:15*	*08/20/24 19:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**230**		54	13	mg/Kg	☼	08/20/24 12:10	08/22/24 18:58	1
Motor Oil (>C24-C36)	**210**		54	19	mg/Kg	☼	08/20/24 12:10	08/22/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*08/20/24 12:10*	*08/22/24 18:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**89.1**		0.1	0.1	%			08/21/24 14:56	1
Percent Moisture (SM22 2540G)	**10.9**		0.1	0.1	%			08/21/24 14:56	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-17 (6'-8')
Date Collected: 08/15/24 11:15
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-15
Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0040	0.00078	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,1,1-Trichloroethane	ND		0.0027	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,1,2,2-Tetrachloroethane	ND		0.0040	0.00031	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,1,2-Trichloroethane	ND		0.0027	0.00070	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,1-Dichloroethane	ND		0.0027	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,1-Dichloroethene	ND		0.0067	0.0028	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,1-Dichloropropene	ND		0.0040	0.0014	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2,3-Trichlorobenzene	ND		0.013	0.00080	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2,3-Trichloropropane	ND		0.0066	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2,4-Trichlorobenzene	ND		0.0040	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2,4-Trimethylbenzene	ND		0.0066	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2-Dibromo-3-Chloropropane	ND		0.013	0.0021	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2-Dibromoethane	ND		0.0013	0.00027	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2-Dichlorobenzene	ND		0.013	0.0017	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2-Dichloroethane	ND		0.0027	0.00082	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,2-Dichloropropane	ND		0.0027	0.00066	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,3,5-Trimethylbenzene	ND		0.0066	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,3-Dichlorobenzene	ND		0.0066	0.0015	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,3-Dichloropropane	ND		0.0027	0.00031	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
1,4-Dichlorobenzene	ND		0.0066	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
2,2-Dichloropropane	ND		0.0066	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
2-Chlorotoluene	ND		0.0066	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
4-Chlorotoluene	ND		0.0066	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
4-Isopropyltoluene	ND		0.0027	0.00053	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Benzene	ND		0.0027	0.00052	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Bromobenzene	ND		0.013	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Bromochloromethane	ND		0.0027	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Bromodichloromethane	ND		0.0027	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Bromoform	ND		0.0066	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Bromomethane	ND		0.0027	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Carbon tetrachloride	ND		0.0027	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Chlorobenzene	ND		0.0027	0.00033	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Chloroethane	ND		0.013	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Chloroform	ND		0.0040	0.0017	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Chloromethane	ND		0.0066	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
cis-1,2-Dichloroethene	ND		0.0040	0.00031	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
cis-1,3-Dichloropropene	ND		0.0013	0.00027	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Dibromochloromethane	ND		0.0027	0.00074	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Dibromomethane	ND		0.0027	0.00056	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Dichlorodifluoromethane	ND		0.0040	0.0018	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Ethylbenzene	ND		0.0027	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Hexachlorobutadiene	ND		0.0040	0.0019	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Isopropylbenzene	ND		0.0040	0.0014	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Methyl tert-butyl ether	ND		0.0027	0.00040	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Methylene Chloride	ND		0.053	0.013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
m-Xylene & p-Xylene	ND		0.013	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Naphthalene	ND		0.013	0.0024	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
n-Butylbenzene	ND		0.0040	0.00084	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
N-Propylbenzene	ND		0.0066	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-17 (6'-8')

Date Collected: 08/15/24 11:15
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-15

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0066	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
sec-Butylbenzene	ND		0.0040	0.00089	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Styrene	ND		0.0040	0.00098	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
t-Butylbenzene	ND		0.0040	0.00088	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Tetrachloroethene	**0.0023**	**J**	0.0027	0.00053	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Toluene	ND		0.013	0.0017	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
trans-1,2-Dichloroethene	ND		0.0047	0.0019	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
trans-1,3-Dichloropropene	ND	*+	0.013	0.00080	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Trichloroethene	ND		0.0027	0.00040	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Trichlorofluoromethane	ND		0.011	0.0051	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1
Vinyl chloride	ND		0.0027	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 121*	*08/21/24 07:40*	*08/21/24 10:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*	*08/21/24 07:40*	*08/21/24 10:10*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*	*08/21/24 07:40*	*08/21/24 10:10*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*08/21/24 07:40*	*08/21/24 10:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**79**		52	13	mg/Kg	☼	08/20/24 12:11	08/22/24 19:58	1
Motor Oil (>C24-C36)	**80**		52	18	mg/Kg	☼	08/20/24 12:11	08/22/24 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*08/20/24 12:11*	*08/22/24 19:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**91.2**		0.1	0.1	%			08/21/24 14:56	1
Percent Moisture (SM22 2540G)	**8.8**		0.1	0.1	%			08/21/24 14:56	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-17 (10'-12')
Date Collected: 08/15/24 11:15
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-16
Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0029	0.00058	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,1,1-Trichloroethane	ND		0.0020	0.00095	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,1,2,2-Tetrachloroethane	ND		0.0029	0.00022	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,1,2-Trichloroethane	ND		0.0020	0.00052	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,1-Dichloroethane	ND		0.0020	0.00091	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,1-Dichloroethene	ND		0.0049	0.0021	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,1-Dichloropropene	ND		0.0029	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2,3-Trichlorobenzene	ND		0.0098	0.00059	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2,3-Trichloropropane	ND		0.0049	0.00098	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2,4-Trichlorobenzene	ND		0.0029	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2,4-Trimethylbenzene	ND		0.0049	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2-Dibromo-3-Chloropropane	ND		0.0098	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2-Dibromoethane	ND		0.00098	0.00020	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2-Dichlorobenzene	ND		0.0098	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2-Dichloroethane	ND		0.0020	0.00061	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,2-Dichloropropane	ND		0.0020	0.00049	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,3,5-Trimethylbenzene	ND		0.0049	0.00079	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,3-Dichlorobenzene	ND		0.0049	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,3-Dichloropropane	ND		0.0020	0.00022	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
1,4-Dichlorobenzene	ND		0.0049	0.00096	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
2,2-Dichloropropane	ND		0.0049	0.00075	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
2-Chlorotoluene	ND		0.0049	0.00091	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
4-Chlorotoluene	ND		0.0049	0.00098	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
4-Isopropyltoluene	ND		0.0020	0.00039	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Benzene	ND		0.0020	0.00038	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Bromobenzene	ND		0.0098	0.00098	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Bromochloromethane	ND		0.0020	0.00091	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Bromodichloromethane	ND		0.0020	0.00087	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Bromoform	ND		0.0049	0.00082	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Bromomethane	ND		0.0020	0.00086	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Carbon tetrachloride	ND		0.0020	0.00084	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Chlorobenzene	ND		0.0020	0.00024	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Chloroethane	ND		0.0098	0.00073	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Chloroform	ND		0.0029	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Chloromethane	ND		0.0049	0.00091	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
cis-1,2-Dichloroethene	ND		0.0029	0.00022	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
cis-1,3-Dichloropropene	ND		0.00098	0.00020	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Dibromochloromethane	ND		0.0020	0.00055	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Dibromomethane	ND		0.0020	0.00041	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Dichlorodifluoromethane	ND		0.0029	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Ethylbenzene	ND		0.0020	0.00094	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Hexachlorobutadiene	ND		0.0029	0.0014	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Isopropylbenzene	ND		0.0029	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Methyl tert-butyl ether	ND		0.0020	0.00029	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Methylene Chloride	ND		0.039	0.0097	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
m-Xylene & p-Xylene	ND		0.0098	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Naphthalene	ND		0.0098	0.0018	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
n-Butylbenzene	ND		0.0029	0.00062	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
N-Propylbenzene	ND		0.0049	0.00074	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-17 (10'-12')

Date Collected: 08/15/24 11:15
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-16

Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0049	0.00090	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
sec-Butylbenzene	ND		0.0029	0.00065	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Styrene	ND		0.0029	0.00072	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
t-Butylbenzene	ND		0.0029	0.00065	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Tetrachloroethene	ND		0.0020	0.00039	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Toluene	ND		0.0098	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
trans-1,2-Dichloroethene	ND		0.0034	0.0014	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
trans-1,3-Dichloropropene	ND	*+	0.0098	0.00059	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Trichloroethene	ND		0.0020	0.00029	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Trichlorofluoromethane	ND		0.0083	0.0038	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1
Vinyl chloride	ND		0.0020	0.00086	mg/Kg	☼	08/21/24 07:40	08/21/24 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 121*	*08/21/24 07:40*	*08/21/24 10:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*08/21/24 07:40*	*08/21/24 10:29*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*	*08/21/24 07:40*	*08/21/24 10:29*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/21/24 07:40*	*08/21/24 10:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**120**		52	13	mg/Kg	☼	08/20/24 12:11	08/22/24 20:18	1
Motor Oil (>C24-C36)	**110**		52	18	mg/Kg	☼	08/20/24 12:11	08/22/24 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*50 - 150*	*08/20/24 12:11*	*08/22/24 20:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**91.3**		0.1	0.1	%			08/21/24 14:56	1
Percent Moisture (SM22 2540G)	**8.7**		0.1	0.1	%			08/21/24 14:56	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-18 (6'-8')
Date Collected: 08/15/24 13:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-18
Matrix: Solid
Percent Solids: 94.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0036	0.00071	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,1,1-Trichloroethane	ND		0.0024	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,1,2,2-Tetrachloroethane	ND		0.0036	0.00028	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,1,2-Trichloroethane	ND		0.0024	0.00064	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,1-Dichloroethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,1-Dichloroethene	ND		0.0061	0.0026	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,1-Dichloropropene	ND		0.0036	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2,3-Trichlorobenzene	ND		0.012	0.00073	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2,3-Trichloropropane	ND		0.0060	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2,4-Trichlorobenzene	ND		0.0036	0.0015	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0015	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2-Dibromo-3-Chloropropane	ND		0.012	0.0019	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2-Dibromoethane	ND		0.0012	0.00024	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2-Dichlorobenzene	ND		0.012	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2-Dichloroethane	ND		0.0024	0.00075	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,2-Dichloropropane	ND		0.0024	0.00060	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,3,5-Trimethylbenzene	ND		0.0060	0.00098	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,3-Dichlorobenzene	ND		0.0060	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,3-Dichloropropane	ND		0.0024	0.00028	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
1,4-Dichlorobenzene	ND		0.0060	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
2,2-Dichloropropane	ND		0.0060	0.00093	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
2-Chlorotoluene	ND		0.0060	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
4-Chlorotoluene	ND		0.0060	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
4-Isopropyltoluene	ND		0.0024	0.00048	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Benzene	ND		0.0024	0.00047	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Bromobenzene	ND		0.012	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Bromochloromethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Bromodichloromethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Bromoform	ND		0.0060	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Bromomethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Carbon tetrachloride	ND		0.0024	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Chlorobenzene	ND		0.0024	0.00030	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Chloroethane	ND		0.012	0.00091	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Chloroform	ND		0.0036	0.0015	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Chloromethane	ND		0.0060	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
cis-1,2-Dichloroethene	ND		0.0036	0.00028	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
cis-1,3-Dichloropropene	ND		0.0012	0.00024	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Dibromochloromethane	ND		0.0024	0.00068	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Dibromomethane	ND		0.0024	0.00051	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Dichlorodifluoromethane	ND		0.0036	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Ethylbenzene	ND		0.0024	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Hexachlorobutadiene	ND		0.0036	0.0018	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Isopropylbenzene	ND		0.0036	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Methyl tert-butyl ether	ND		0.0024	0.00036	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Methylene Chloride	ND		0.048	0.012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
m-Xylene & p-Xylene	ND		0.012	0.0014	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Naphthalene	ND		0.012	0.0022	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
n-Butylbenzene	ND		0.0036	0.00076	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
N-Propylbenzene	ND		0.0060	0.00092	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1

Client Sample ID: SB-18 (6'-8')
Lab Sample ID: 580-143025-18
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 94.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0060	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
sec-Butylbenzene	ND		0.0036	0.00081	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Styrene	ND		0.0036	0.00090	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
t-Butylbenzene	ND		0.0036	0.00080	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Tetrachloroethene	ND		0.0024	0.00048	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Toluene	ND		0.012	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
trans-1,2-Dichloroethene	ND		0.0042	0.0018	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
trans-1,3-Dichloropropene	ND	*+	0.012	0.00073	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Trichloroethene	ND		0.0024	0.00036	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Trichlorofluoromethane	ND		0.010	0.0047	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1
Vinyl chloride	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 121*	*08/21/24 07:40*	*08/21/24 11:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*08/21/24 07:40*	*08/21/24 11:07*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/21/24 07:40*	*08/21/24 11:07*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/21/24 07:40*	*08/21/24 11:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**180**		49	12	mg/Kg	☼	08/20/24 12:12	08/22/24 20:58	1
Motor Oil (>C24-C36)	**150**		49	17	mg/Kg	☼	08/20/24 12:12	08/22/24 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*08/20/24 12:12*	*08/22/24 20:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**94.6**		0.1	0.1	%			08/21/24 14:56	1
Percent Moisture (SM22 2540G)	**5.4**		0.1	0.1	%			08/21/24 14:56	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-18 (10'-12')
Date Collected: 08/15/24 13:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-19
Matrix: Solid
Percent Solids: 92.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0036	0.00071	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,1,1-Trichloroethane	ND		0.0024	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,1,2,2-Tetrachloroethane	ND		0.0036	0.00028	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,1,2-Trichloroethane	ND		0.0024	0.00064	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,1-Dichloroethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,1-Dichloroethene	ND		0.0060	0.0026	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,1-Dichloropropene	ND		0.0036	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2,3-Trichlorobenzene	ND		0.012	0.00072	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2,3-Trichloropropane	ND		0.0060	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2,4-Trichlorobenzene	ND		0.0036	0.0015	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2,4-Trimethylbenzene	ND		0.0060	0.0014	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2-Dibromo-3-Chloropropane	ND		0.012	0.0019	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2-Dibromoethane	ND		0.0012	0.00024	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2-Dichlorobenzene	ND		0.012	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2-Dichloroethane	ND		0.0024	0.00074	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,2-Dichloropropane	ND		0.0024	0.00060	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,3,5-Trimethylbenzene	ND		0.0060	0.00097	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,3-Dichlorobenzene	ND		0.0060	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,3-Dichloropropane	ND		0.0024	0.00028	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
1,4-Dichlorobenzene	ND		0.0060	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
2,2-Dichloropropane	ND		0.0060	0.00092	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
2-Chlorotoluene	ND		0.0060	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
4-Chlorotoluene	ND		0.0060	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
4-Isopropyltoluene	ND		0.0024	0.00048	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Benzene	ND		0.0024	0.00047	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Bromobenzene	ND		0.012	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Bromochloromethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Bromodichloromethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Bromoform	ND		0.0060	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Bromomethane	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Carbon tetrachloride	ND		0.0024	0.0010	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Chlorobenzene	ND		0.0024	0.00030	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Chloroethane	ND		0.012	0.00090	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Chloroform	ND		0.0036	0.0015	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Chloromethane	ND		0.0060	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
cis-1,2-Dichloroethene	ND		0.0036	0.00028	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
cis-1,3-Dichloropropene	ND		0.0012	0.00024	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Dibromochloromethane	ND		0.0024	0.00067	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Dibromomethane	ND		0.0024	0.00050	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Dichlorodifluoromethane	ND		0.0036	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Ethylbenzene	ND		0.0024	0.0012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Hexachlorobutadiene	ND		0.0036	0.0018	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Isopropylbenzene	ND		0.0036	0.0013	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Methyl tert-butyl ether	ND		0.0024	0.00036	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Methylene Chloride	ND		0.048	0.012	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
m-Xylene & p-Xylene	ND		0.012	0.0014	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Naphthalene	ND		0.012	0.0022	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
n-Butylbenzene	ND		0.0036	0.00076	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
N-Propylbenzene	ND		0.0060	0.00091	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1

Client: Hart & Hickman, PC
Project/Site: Northwest Motorsports - Puyallup

Job ID: 580-143025-1

Client Sample ID: SB-18 (10'-12')
Date Collected: 08/15/24 13:30
Date Received: 08/16/24 12:18

Lab Sample ID: 580-143025-19
Matrix: Solid
Percent Solids: 92.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.0060	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
sec-Butylbenzene	ND		0.0036	0.00080	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Styrene	ND		0.0036	0.00089	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
t-Butylbenzene	ND		0.0036	0.00079	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Tetrachloroethene	ND		0.0024	0.00048	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Toluene	ND		0.012	0.0016	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
trans-1,2-Dichloroethene	ND		0.0042	0.0018	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
trans-1,3-Dichloropropene	ND	*+	0.012	0.00072	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Trichloroethene	ND		0.0024	0.00036	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Trichlorofluoromethane	ND		0.010	0.0046	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1
Vinyl chloride	ND		0.0024	0.0011	mg/Kg	☼	08/21/24 07:40	08/21/24 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 121*	*08/21/24 07:40*	*08/21/24 11:26*	*1*
4-Bromofluorobenzene (Surr)	*85*		*80 - 120*	*08/21/24 07:40*	*08/21/24 11:26*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*	*08/21/24 07:40*	*08/21/24 11:26*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*	*08/21/24 07:40*	*08/21/24 11:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**38**	**J**	52	13	mg/Kg	☼	08/20/24 14:59	08/21/24 15:08	1
Motor Oil (>C24-C36)	**47**	**J**	52	18	mg/Kg	☼	08/20/24 14:59	08/21/24 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*08/20/24 14:59*	*08/21/24 15:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	**92.7**		0.1	0.1	%			08/21/24 14:56	1
Percent Moisture (SM22 2540G)	**7.4**		0.1	0.1	%			08/21/24 14:56	1

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

Lab Sample ID: MB 580-468849/1-A
Matrix: Solid
Analysis Batch: 468850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0030	0.00059	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,1,1-Trichloroethane	ND		0.0020	0.00097	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,1,2,2-Tetrachloroethane	ND		0.0030	0.00023	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,1,2-Trichloroethane	ND		0.0020	0.00053	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,1-Dichloroethane	ND		0.0020	0.00093	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,1-Dichloroethene	ND		0.0050	0.0021	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,1-Dichloropropene	ND		0.0030	0.0011	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2,3-Trichlorobenzene	ND		0.010	0.00060	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2,3-Trichloropropane	ND		0.0050	0.0010	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2,4-Trichlorobenzene	ND		0.0030	0.0012	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0012	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0016	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2-Dibromoethane	ND		0.0010	0.00020	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2-Dichlorobenzene	ND		0.010	0.0013	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2-Dichloroethane	ND		0.0020	0.00062	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,2-Dichloropropane	ND		0.0020	0.00050	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,3,5-Trimethylbenzene	ND		0.0050	0.00081	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,3-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,3-Dichloropropane	ND		0.0020	0.00023	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
1,4-Dichlorobenzene	ND		0.0050	0.00098	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
2,2-Dichloropropane	ND		0.0050	0.00077	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
2-Chlorotoluene	ND		0.0050	0.00093	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
4-Chlorotoluene	ND		0.0050	0.0010	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
4-Isopropyltoluene	ND		0.0020	0.00040	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Benzene	ND		0.0020	0.00039	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Bromobenzene	ND		0.010	0.0010	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Bromochloromethane	ND		0.0020	0.00093	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Bromodichloromethane	ND		0.0020	0.00089	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Bromoform	ND		0.0050	0.00084	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Bromomethane	ND		0.0020	0.00088	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Carbon tetrachloride	ND		0.0020	0.00086	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Chlorobenzene	ND		0.0020	0.00025	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Chloroethane	ND		0.010	0.00075	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Chloroform	ND		0.0030	0.0013	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Chloromethane	ND		0.0050	0.00093	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
cis-1,2-Dichloroethene	ND		0.0030	0.00023	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Dibromochloromethane	ND		0.0020	0.00056	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Dibromomethane	ND		0.0020	0.00042	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Dichlorodifluoromethane	ND		0.0030	0.0013	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Ethylbenzene	ND		0.0020	0.00096	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Hexachlorobutadiene	ND		0.0030	0.0015	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Isopropylbenzene	ND		0.0030	0.0011	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Methyl tert-butyl ether	ND		0.0020	0.00030	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Methylene Chloride	ND		0.040	0.0099	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
m-Xylene & p-Xylene	ND		0.010	0.0012	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Naphthalene	ND		0.010	0.0018	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
n-Butylbenzene	ND		0.0030	0.00063	mg/Kg		08/20/24 13:15	08/20/24 15:12	1

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

Lab Sample ID: MB 580-468849/1-A
Matrix: Solid
Analysis Batch: 468850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.0050	0.00076	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
o-Xylene	ND		0.0050	0.00092	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
sec-Butylbenzene	ND		0.0030	0.00067	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Styrene	ND		0.0030	0.00074	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
t-Butylbenzene	ND		0.0030	0.00066	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Tetrachloroethene	ND		0.0020	0.00040	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Toluene	ND		0.010	0.0013	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
trans-1,2-Dichloroethene	ND		0.0035	0.0015	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
trans-1,3-Dichloropropene	ND		0.010	0.00060	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Trichloroethene	ND		0.0020	0.00030	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Trichlorofluoromethane	ND		0.0085	0.0039	mg/Kg		08/20/24 13:15	08/20/24 15:12	1
Vinyl chloride	ND		0.0020	0.00088	mg/Kg		08/20/24 13:15	08/20/24 15:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 121*	*08/20/24 13:15*	*08/20/24 15:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:12*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/20/24 13:15*	*08/20/24 15:12*	*1*

Lab Sample ID: LCS 580-468849/2-A
Matrix: Solid
Analysis Batch: 468850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0610		mg/Kg		122	79 - 128
1,1,1-Trichloroethane	0.0500	0.0596		mg/Kg		119	78 - 135
1,1,2,2-Tetrachloroethane	0.0500	0.0581		mg/Kg		116	77 - 122
1,1,2-Trichloroethane	0.0500	0.0589		mg/Kg		118	80 - 123
1,1-Dichloroethane	0.0500	0.0580		mg/Kg		116	78 - 126
1,1-Dichloroethene	0.0500	0.0588		mg/Kg		118	73 - 134
1,1-Dichloropropene	0.0500	0.0596		mg/Kg		119	76 - 140
1,2,3-Trichlorobenzene	0.0500	0.0605		mg/Kg		121	58 - 146
1,2,3-Trichloropropane	0.0500	0.0574		mg/Kg		115	77 - 127
1,2,4-Trichlorobenzene	0.0500	0.0642		mg/Kg		128	74 - 131
1,2,4-Trimethylbenzene	0.0500	0.0622		mg/Kg		124	73 - 138
1,2-Dibromo-3-Chloropropane	0.0500	0.0557		mg/Kg		111	64 - 129
1,2-Dibromoethane	0.0500	0.0592		mg/Kg		118	77 - 123
1,2-Dichlorobenzene	0.0500	0.0591		mg/Kg		118	78 - 126
1,2-Dichloroethane	0.0500	0.0548		mg/Kg		110	76 - 124
1,2-Dichloropropane	0.0500	0.0582		mg/Kg		116	73 - 130
1,3,5-Trimethylbenzene	0.0500	0.0638		mg/Kg		128	72 - 134
1,3-Dichlorobenzene	0.0500	0.0601		mg/Kg		120	78 - 132
1,3-Dichloropropane	0.0500	0.0590		mg/Kg		118	80 - 120
1,4-Dichlorobenzene	0.0500	0.0598		mg/Kg		120	77 - 123
2,2-Dichloropropane	0.0500	0.0592		mg/Kg		118	75 - 134
2-Chlorotoluene	0.0500	0.0596		mg/Kg		119	77 - 134
4-Chlorotoluene	0.0500	0.0609		mg/Kg		122	71 - 137
4-Isopropyltoluene	0.0500	0.0622		mg/Kg		124	71 - 142

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

Lab Sample ID: LCS 580-468849/2-A
Matrix: Solid
Analysis Batch: 468850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0594		mg/Kg		119	79 - 135
Bromobenzene	0.0500	0.0590		mg/Kg		118	78 - 126
Bromochloromethane	0.0500	0.0576		mg/Kg		115	76 - 131
Bromodichloromethane	0.0500	0.0607		mg/Kg		121	78 - 125
Bromoform	0.0500	0.0614		mg/Kg		123	71 - 130
Bromomethane	0.0500	0.0503		mg/Kg		101	55 - 150
Carbon tetrachloride	0.0500	0.0605		mg/Kg		121	76 - 140
Chlorobenzene	0.0500	0.0601		mg/Kg		120	80 - 125
Chloroethane	0.0500	0.0491		mg/Kg		98	26 - 150
Chloroform	0.0500	0.0583		mg/Kg		117	74 - 133
Chloromethane	0.0500	0.0444		mg/Kg		89	52 - 142
cis-1,2-Dichloroethene	0.0500	0.0582		mg/Kg		116	80 - 125
cis-1,3-Dichloropropene	0.0500	0.0580		mg/Kg		116	80 - 122
Dibromochloromethane	0.0500	0.0603		mg/Kg		121	75 - 125
Dibromomethane	0.0500	0.0596		mg/Kg		119	72 - 130
Dichlorodifluoromethane	0.0500	0.0446		mg/Kg		89	33 - 150
Ethylbenzene	0.0500	0.0608		mg/Kg		122	80 - 135
Hexachlorobutadiene	0.0500	0.0633		mg/Kg		127	65 - 145
Isopropylbenzene	0.0500	0.0681	*+	mg/Kg		136	80 - 131
Methyl tert-butyl ether	0.0500	0.0602		mg/Kg		120	71 - 126
Methylene Chloride	0.0500	0.0589		mg/Kg		118	56 - 140
m-Xylene & p-Xylene	0.0500	0.0618		mg/Kg		124	80 - 132
Naphthalene	0.0500	0.0616		mg/Kg		123	56 - 145
n-Butylbenzene	0.0500	0.0650		mg/Kg		130	69 - 143
N-Propylbenzene	0.0500	0.0623		mg/Kg		125	78 - 133
o-Xylene	0.0500	0.0604		mg/Kg		121	80 - 132
sec-Butylbenzene	0.0500	0.0619		mg/Kg		124	71 - 143
Styrene	0.0500	0.0597		mg/Kg		119	79 - 129
t-Butylbenzene	0.0500	0.0615		mg/Kg		123	72 - 144
Tetrachloroethene	0.0500	0.0626		mg/Kg		125	75 - 141
Toluene	0.0500	0.0588		mg/Kg		118	75 - 125
trans-1,2-Dichloroethene	0.0500	0.0565		mg/Kg		113	77 - 134
trans-1,3-Dichloropropene	0.0500	0.0638	*+	mg/Kg		128	80 - 121
Trichloroethene	0.0500	0.0618		mg/Kg		124	80 - 134
Trichlorofluoromethane	0.0500	0.0517		mg/Kg		103	71 - 150
Vinyl chloride	0.0500	0.0531		mg/Kg		106	62 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 121*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 580-468849/3-A
Matrix: Solid
Analysis Batch: 468850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468849

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			0.0500	0.0509		mg/Kg		102	79 - 128	18	20
1,1,1-Trichloroethane			0.0500	0.0493		mg/Kg		99	78 - 135	19	20
1,1,2,2-Tetrachloroethane			0.0500	0.0513		mg/Kg		103	77 - 122	12	20
1,1,2-Trichloroethane			0.0500	0.0507		mg/Kg		101	80 - 123	15	20
1,1-Dichloroethane			0.0500	0.0495		mg/Kg		99	78 - 126	16	20
1,1-Dichloroethene			0.0500	0.0487		mg/Kg		97	73 - 134	19	25
1,1-Dichloropropene			0.0500	0.0498		mg/Kg		100	76 - 140	18	20
1,2,3-Trichlorobenzene			0.0500	0.0516		mg/Kg		103	58 - 146	16	28
1,2,3-Trichloropropane			0.0500	0.0502		mg/Kg		100	77 - 127	13	20
1,2,4-Trichlorobenzene			0.0500	0.0543		mg/Kg		109	74 - 131	17	26
1,2,4-Trimethylbenzene			0.0500	0.0528		mg/Kg		106	73 - 138	16	22
1,2-Dibromo-3-Chloropropane			0.0500	0.0470		mg/Kg		94	64 - 129	17	40
1,2-Dibromoethane			0.0500	0.0517		mg/Kg		103	77 - 123	14	20
1,2-Dichlorobenzene			0.0500	0.0503		mg/Kg		101	78 - 126	16	20
1,2-Dichloroethane			0.0500	0.0472		mg/Kg		94	76 - 124	15	20
1,2-Dichloropropane			0.0500	0.0500		mg/Kg		100	73 - 130	15	20
1,3,5-Trimethylbenzene			0.0500	0.0537		mg/Kg		107	72 - 134	17	24
1,3-Dichlorobenzene			0.0500	0.0520		mg/Kg		104	78 - 132	14	20
1,3-Dichloropropane			0.0500	0.0507		mg/Kg		101	80 - 120	15	20
1,4-Dichlorobenzene			0.0500	0.0510		mg/Kg		102	77 - 123	16	20
2,2-Dichloropropane			0.0500	0.0504		mg/Kg		101	75 - 134	16	20
2-Chlorotoluene			0.0500	0.0508		mg/Kg		102	77 - 134	16	21
4-Chlorotoluene			0.0500	0.0517		mg/Kg		103	71 - 137	16	21
4-Isopropyltoluene			0.0500	0.0528		mg/Kg		106	71 - 142	16	29
Benzene			0.0500	0.0504		mg/Kg		101	79 - 135	16	20
Bromobenzene			0.0500	0.0517		mg/Kg		103	78 - 126	13	20
Bromochloromethane			0.0500	0.0495		mg/Kg		99	76 - 131	15	20
Bromodichloromethane			0.0500	0.0517		mg/Kg		103	78 - 125	16	20
Bromoform			0.0500	0.0526		mg/Kg		105	71 - 130	15	20
Bromomethane			0.0500	0.0516		mg/Kg		103	55 - 150	3	26
Carbon tetrachloride			0.0500	0.0501		mg/Kg		100	76 - 140	19	20
Chlorobenzene			0.0500	0.0507		mg/Kg		101	80 - 125	17	20
Chloroethane			0.0500	0.0520		mg/Kg		104	26 - 150	6	40
Chloroform			0.0500	0.0497		mg/Kg		99	74 - 133	16	20
Chloromethane			0.0500	0.0461		mg/Kg		92	52 - 142	4	40
cis-1,2-Dichloroethene			0.0500	0.0492		mg/Kg		98	80 - 125	17	20
cis-1,3-Dichloropropene			0.0500	0.0500		mg/Kg		100	80 - 122	15	20
Dibromochloromethane			0.0500	0.0518		mg/Kg		104	75 - 125	15	20
Dibromomethane			0.0500	0.0508		mg/Kg		102	72 - 130	16	40
Dichlorodifluoromethane			0.0500	0.0473		mg/Kg		95	33 - 150	6	31
Ethylbenzene			0.0500	0.0510		mg/Kg		102	80 - 135	18	20
Hexachlorobutadiene			0.0500	0.0526		mg/Kg		105	65 - 145	18	36
Isopropylbenzene			0.0500	0.0567		mg/Kg		113	80 - 131	18	20
Methyl tert-butyl ether			0.0500	0.0523		mg/Kg		105	71 - 126	14	20
Methylene Chloride			0.0500	0.0501		mg/Kg		100	56 - 140	16	20
m-Xylene & p-Xylene			0.0500	0.0518		mg/Kg		104	80 - 132	18	20
Naphthalene			0.0500	0.0541		mg/Kg		108	56 - 145	13	25
n-Butylbenzene			0.0500	0.0547		mg/Kg		109	69 - 143	17	31

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

Lab Sample ID: LCSD 580-468849/3-A
Matrix: Solid
Analysis Batch: 468850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468849

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Propylbenzene			0.0500	0.0533		mg/Kg		107	78 - 133	15	24
o-Xylene			0.0500	0.0514		mg/Kg		103	80 - 132	16	20
sec-Butylbenzene			0.0500	0.0526		mg/Kg		105	71 - 143	16	29
Styrene			0.0500	0.0508		mg/Kg		102	79 - 129	16	20
t-Butylbenzene			0.0500	0.0525		mg/Kg		105	72 - 144	16	27
Tetrachloroethene			0.0500	0.0526		mg/Kg		105	75 - 141	17	20
Toluene			0.0500	0.0490		mg/Kg		98	75 - 125	18	20
trans-1,2-Dichloroethene			0.0500	0.0471		mg/Kg		94	77 - 134	18	20
trans-1,3-Dichloropropene			0.0500	0.0539		mg/Kg		108	80 - 121	17	20
Trichloroethene			0.0500	0.0510		mg/Kg		102	80 - 134	19	20
Trichlorofluoromethane			0.0500	0.0546		mg/Kg		109	71 - 150	5	30
Vinyl chloride			0.0500	0.0558		mg/Kg		112	62 - 144	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 121*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 580-468911/3-A
Matrix: Solid
Analysis Batch: 468912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0030	0.00059	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,1,1-Trichloroethane	ND		0.0020	0.00097	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,1,2,2-Tetrachloroethane	ND		0.0030	0.00023	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,1,2-Trichloroethane	ND		0.0020	0.00053	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,1-Dichloroethane	ND		0.0020	0.00093	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,1-Dichloroethene	ND		0.0050	0.0021	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,1-Dichloropropene	ND		0.0030	0.0011	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2,3-Trichlorobenzene	ND		0.010	0.00060	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2,3-Trichloropropane	ND		0.0050	0.0010	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2,4-Trichlorobenzene	ND		0.0030	0.0012	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2,4-Trimethylbenzene	ND		0.0050	0.0012	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0016	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2-Dibromoethane	ND		0.0010	0.00020	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2-Dichlorobenzene	ND		0.010	0.0013	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2-Dichloroethane	ND		0.0020	0.00062	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,2-Dichloropropane	ND		0.0020	0.00050	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,3,5-Trimethylbenzene	ND		0.0050	0.00081	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,3-Dichlorobenzene	ND		0.0050	0.0011	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,3-Dichloropropane	ND		0.0020	0.00023	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
1,4-Dichlorobenzene	ND		0.0050	0.00098	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
2,2-Dichloropropane	ND		0.0050	0.00077	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
2-Chlorotoluene	ND		0.0050	0.00093	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
4-Chlorotoluene	ND		0.0050	0.0010	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
4-Isopropyltoluene	ND		0.0020	0.00040	mg/Kg		08/21/24 07:40	08/21/24 09:33	1

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

Lab Sample ID: MB 580-468911/3-A
Matrix: Solid
Analysis Batch: 468912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	0.00039	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Bromobenzene	ND		0.010	0.0010	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Bromochloromethane	ND		0.0020	0.00093	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Bromodichloromethane	ND		0.0020	0.00089	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Bromoform	ND		0.0050	0.00084	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Bromomethane	ND		0.0020	0.00088	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Carbon tetrachloride	ND		0.0020	0.00086	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Chlorobenzene	ND		0.0020	0.00025	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Chloroethane	ND		0.010	0.00075	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Chloroform	ND		0.0030	0.0013	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Chloromethane	ND		0.0050	0.00093	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
cis-1,2-Dichloroethene	ND		0.0030	0.00023	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
cis-1,3-Dichloropropene	ND		0.0010	0.00020	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Dibromochloromethane	ND		0.0020	0.00056	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Dibromomethane	ND		0.0020	0.00042	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Dichlorodifluoromethane	ND		0.0030	0.0013	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Ethylbenzene	ND		0.0020	0.00096	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Hexachlorobutadiene	ND		0.0030	0.0015	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Isopropylbenzene	ND		0.0030	0.0011	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Methyl tert-butyl ether	ND		0.0020	0.00030	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Methylene Chloride	ND		0.040	0.0099	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
m-Xylene & p-Xylene	ND		0.010	0.0012	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Naphthalene	ND		0.010	0.0018	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
n-Butylbenzene	ND		0.0030	0.00063	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
N-Propylbenzene	ND		0.0050	0.00076	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
o-Xylene	ND		0.0050	0.00092	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
sec-Butylbenzene	ND		0.0030	0.00067	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Styrene	ND		0.0030	0.00074	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
t-Butylbenzene	ND		0.0030	0.00066	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Tetrachloroethene	ND		0.0020	0.00040	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Toluene	ND		0.010	0.0013	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
trans-1,2-Dichloroethene	ND		0.0035	0.0015	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
trans-1,3-Dichloropropene	ND		0.010	0.00060	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Trichloroethene	ND		0.0020	0.00030	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Trichlorofluoromethane	ND		0.0085	0.0039	mg/Kg		08/21/24 07:40	08/21/24 09:33	1
Vinyl chloride	ND		0.0020	0.00088	mg/Kg		08/21/24 07:40	08/21/24 09:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 121*	*08/21/24 07:40*	*08/21/24 09:33*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*08/21/24 07:40*	*08/21/24 09:33*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/21/24 07:40*	*08/21/24 09:33*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/21/24 07:40*	*08/21/24 09:33*	*1*

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

Lab Sample ID: LCS 580-468911/1-A
Matrix: Solid
Analysis Batch: 468912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0564		mg/Kg		113	79 - 128
1,1,1-Trichloroethane	0.0500	0.0504		mg/Kg		101	78 - 135
1,1,2,2-Tetrachloroethane	0.0500	0.0551		mg/Kg		110	77 - 122
1,1,2-Trichloroethane	0.0500	0.0553		mg/Kg		111	80 - 123
1,1-Dichloroethane	0.0500	0.0497		mg/Kg		99	78 - 126
1,1-Dichloroethene	0.0500	0.0508		mg/Kg		102	73 - 134
1,1-Dichloropropene	0.0500	0.0511		mg/Kg		102	76 - 140
1,2,3-Trichlorobenzene	0.0500	0.0584		mg/Kg		117	58 - 146
1,2,3-Trichloropropane	0.0500	0.0561		mg/Kg		112	77 - 127
1,2,4-Trichlorobenzene	0.0500	0.0612		mg/Kg		122	74 - 131
1,2,4-Trimethylbenzene	0.0500	0.0557		mg/Kg		111	73 - 138
1,2-Dibromo-3-Chloropropane	0.0500	0.0510		mg/Kg		102	64 - 129
1,2-Dibromoethane	0.0500	0.0561		mg/Kg		112	77 - 123
1,2-Dichlorobenzene	0.0500	0.0547		mg/Kg		109	78 - 126
1,2-Dichloroethane	0.0500	0.0509		mg/Kg		102	76 - 124
1,2-Dichloropropane	0.0500	0.0527		mg/Kg		105	73 - 130
1,3,5-Trimethylbenzene	0.0500	0.0570		mg/Kg		114	72 - 134
1,3-Dichlorobenzene	0.0500	0.0564		mg/Kg		113	78 - 132
1,3-Dichloropropane	0.0500	0.0553		mg/Kg		111	80 - 120
1,4-Dichlorobenzene	0.0500	0.0545		mg/Kg		109	77 - 123
2,2-Dichloropropane	0.0500	0.0498		mg/Kg		100	75 - 134
2-Chlorotoluene	0.0500	0.0534		mg/Kg		107	77 - 134
4-Chlorotoluene	0.0500	0.0552		mg/Kg		110	71 - 137
4-Isopropyltoluene	0.0500	0.0566		mg/Kg		113	71 - 142
Benzene	0.0500	0.0516		mg/Kg		103	79 - 135
Bromobenzene	0.0500	0.0554		mg/Kg		111	78 - 126
Bromochloromethane	0.0500	0.0503		mg/Kg		101	76 - 131
Bromodichloromethane	0.0500	0.0561		mg/Kg		112	78 - 125
Bromoform	0.0500	0.0575		mg/Kg		115	71 - 130
Bromomethane	0.0500	0.0550		mg/Kg		110	55 - 150
Carbon tetrachloride	0.0500	0.0508		mg/Kg		102	76 - 140
Chlorobenzene	0.0500	0.0551		mg/Kg		110	80 - 125
Chloroethane	0.0500	0.0520		mg/Kg		104	26 - 150
Chloroform	0.0500	0.0514		mg/Kg		103	74 - 133
Chloromethane	0.0500	0.0471		mg/Kg		94	52 - 142
cis-1,2-Dichloroethene	0.0500	0.0509		mg/Kg		102	80 - 125
cis-1,3-Dichloropropene	0.0500	0.0534		mg/Kg		107	80 - 122
Dibromochloromethane	0.0500	0.0574		mg/Kg		115	75 - 125
Dibromomethane	0.0500	0.0539		mg/Kg		108	72 - 130
Dichlorodifluoromethane	0.0500	0.0482		mg/Kg		96	33 - 150
Ethylbenzene	0.0500	0.0537		mg/Kg		107	80 - 135
Hexachlorobutadiene	0.0500	0.0569		mg/Kg		114	65 - 145
Isopropylbenzene	0.0500	0.0602		mg/Kg		120	80 - 131
Methyl tert-butyl ether	0.0500	0.0551		mg/Kg		110	71 - 126
Methylene Chloride	0.0500	0.0500		mg/Kg		100	56 - 140
m-Xylene & p-Xylene	0.0500	0.0544		mg/Kg		109	80 - 132
Naphthalene	0.0500	0.0593		mg/Kg		119	56 - 145
n-Butylbenzene	0.0500	0.0582		mg/Kg		116	69 - 143

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

Lab Sample ID: LCS 580-468911/1-A
Matrix: Solid
Analysis Batch: 468912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468911

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-Propylbenzene			0.0500	0.0558		mg/Kg		112	78 - 133		
o-Xylene			0.0500	0.0544		mg/Kg		109	80 - 132		
sec-Butylbenzene			0.0500	0.0558		mg/Kg		112	71 - 143		
Styrene			0.0500	0.0549		mg/Kg		110	79 - 129		
t-Butylbenzene			0.0500	0.0549		mg/Kg		110	72 - 144		
Tetrachloroethene			0.0500	0.0551		mg/Kg		110	75 - 141		
Toluene			0.0500	0.0514		mg/Kg		103	75 - 125		
trans-1,2-Dichloroethene			0.0500	0.0497		mg/Kg		99	77 - 134		
trans-1,3-Dichloropropene			0.0500	0.0593		mg/Kg		119	80 - 121		
Trichloroethene			0.0500	0.0529		mg/Kg		106	80 - 134		
Trichlorofluoromethane			0.0500	0.0557		mg/Kg		111	71 - 150		
Vinyl chloride			0.0500	0.0558		mg/Kg		112	62 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 121*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 580-468911/2-A
Matrix: Solid
Analysis Batch: 468912

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468911

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			0.0500	0.0572		mg/Kg		114	79 - 128	1	20
1,1,1-Trichloroethane			0.0500	0.0508		mg/Kg		102	78 - 135	1	20
1,1,2,2-Tetrachloroethane			0.0500	0.0579		mg/Kg		116	77 - 122	5	20
1,1,2-Trichloroethane			0.0500	0.0576		mg/Kg		115	80 - 123	4	20
1,1-Dichloroethane			0.0500	0.0508		mg/Kg		102	78 - 126	2	20
1,1-Dichloroethene			0.0500	0.0498		mg/Kg		100	73 - 134	2	25
1,1-Dichloropropene			0.0500	0.0504		mg/Kg		101	76 - 140	1	20
1,2,3-Trichlorobenzene			0.0500	0.0586		mg/Kg		117	58 - 146	0	28
1,2,3-Trichloropropane			0.0500	0.0574		mg/Kg		115	77 - 127	2	20
1,2,4-Trichlorobenzene			0.0500	0.0622		mg/Kg		124	74 - 131	2	26
1,2,4-Trimethylbenzene			0.0500	0.0574		mg/Kg		115	73 - 138	3	22
1,2-Dibromo-3-Chloropropane			0.0500	0.0543		mg/Kg		109	64 - 129	6	40
1,2-Dibromoethane			0.0500	0.0588		mg/Kg		118	77 - 123	5	20
1,2-Dichlorobenzene			0.0500	0.0571		mg/Kg		114	78 - 126	4	20
1,2-Dichloroethane			0.0500	0.0525		mg/Kg		105	76 - 124	3	20
1,2-Dichloropropane			0.0500	0.0549		mg/Kg		110	73 - 130	4	20
1,3,5-Trimethylbenzene			0.0500	0.0580		mg/Kg		116	72 - 134	2	24
1,3-Dichlorobenzene			0.0500	0.0575		mg/Kg		115	78 - 132	2	20
1,3-Dichloropropane			0.0500	0.0575		mg/Kg		115	80 - 120	4	20
1,4-Dichlorobenzene			0.0500	0.0563		mg/Kg		113	77 - 123	3	20
2,2-Dichloropropane			0.0500	0.0504		mg/Kg		101	75 - 134	1	20
2-Chlorotoluene			0.0500	0.0548		mg/Kg		110	77 - 134	3	21
4-Chlorotoluene			0.0500	0.0564		mg/Kg		113	71 - 137	2	21
4-Isopropyltoluene			0.0500	0.0570		mg/Kg		114	71 - 142	1	29

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

Lab Sample ID: LCSD 580-468911/2-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 468912
Prep Batch: 468911

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.0525		mg/Kg		105	79 - 135	2	20
Bromobenzene	0.0500	0.0565		mg/Kg		113	78 - 126	2	20
Bromochloromethane	0.0500	0.0537		mg/Kg		107	76 - 131	7	20
Bromodichloromethane	0.0500	0.0576		mg/Kg		115	78 - 125	3	20
Bromoform	0.0500	0.0604		mg/Kg		121	71 - 130	5	20
Bromomethane	0.0500	0.0511		mg/Kg		102	55 - 150	7	26
Carbon tetrachloride	0.0500	0.0512		mg/Kg		102	76 - 140	1	20
Chlorobenzene	0.0500	0.0557		mg/Kg		111	80 - 125	1	20
Chloroethane	0.0500	0.0475		mg/Kg		95	26 - 150	9	40
Chloroform	0.0500	0.0525		mg/Kg		105	74 - 133	2	20
Chloromethane	0.0500	0.0445		mg/Kg		89	52 - 142	6	40
cis-1,2-Dichloroethene	0.0500	0.0519		mg/Kg		104	80 - 125	2	20
cis-1,3-Dichloropropene	0.0500	0.0561		mg/Kg		112	80 - 122	5	20
Dibromochloromethane	0.0500	0.0586		mg/Kg		117	75 - 125	2	20
Dibromomethane	0.0500	0.0562		mg/Kg		112	72 - 130	4	40
Dichlorodifluoromethane	0.0500	0.0445		mg/Kg		89	33 - 150	8	31
Ethylbenzene	0.0500	0.0546		mg/Kg		109	80 - 135	2	20
Hexachlorobutadiene	0.0500	0.0584		mg/Kg		117	65 - 145	3	36
Isopropylbenzene	0.0500	0.0604		mg/Kg		121	80 - 131	0	20
Methyl tert-butyl ether	0.0500	0.0569		mg/Kg		114	71 - 126	3	20
Methylene Chloride	0.0500	0.0506		mg/Kg		101	56 - 140	1	20
m-Xylene & p-Xylene	0.0500	0.0554		mg/Kg		111	80 - 132	2	20
Naphthalene	0.0500	0.0619		mg/Kg		124	56 - 145	4	25
n-Butylbenzene	0.0500	0.0583		mg/Kg		117	69 - 143	0	31
N-Propylbenzene	0.0500	0.0573		mg/Kg		115	78 - 133	3	24
o-Xylene	0.0500	0.0561		mg/Kg		112	80 - 132	3	20
sec-Butylbenzene	0.0500	0.0566		mg/Kg		113	71 - 143	1	29
Styrene	0.0500	0.0557		mg/Kg		111	79 - 129	1	20
t-Butylbenzene	0.0500	0.0558		mg/Kg		112	72 - 144	2	27
Tetrachloroethene	0.0500	0.0538		mg/Kg		108	75 - 141	2	20
Toluene	0.0500	0.0531		mg/Kg		106	75 - 125	3	20
trans-1,2-Dichloroethene	0.0500	0.0484		mg/Kg		97	77 - 134	3	20
trans-1,3-Dichloropropene	0.0500	0.0613	*+	mg/Kg		123	80 - 121	3	20
Trichloroethene	0.0500	0.0535		mg/Kg		107	80 - 134	1	20
Trichlorofluoromethane	0.0500	0.0508		mg/Kg		102	71 - 150	9	30
Vinyl chloride	0.0500	0.0519		mg/Kg		104	62 - 144	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 121*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 580-468838/1-A
Matrix: Solid
Analysis Batch: 469098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		50	12	mg/Kg		08/20/24 12:10	08/22/24 12:36	1
Motor Oil (>C24-C36)	ND		50	18	mg/Kg		08/20/24 12:10	08/22/24 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*08/20/24 12:10*	*08/22/24 12:36*	*1*

Lab Sample ID: LCS 580-468838/2-A
Matrix: Solid
Analysis Batch: 469098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468838

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			500	458		mg/Kg		92	70 - 125		
Motor Oil (>C24-C36)			500	449		mg/Kg		90	70 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*80*		*50 - 150*

Lab Sample ID: 580-143025-12 DU
Matrix: Solid
Analysis Batch: 469098

Client Sample ID: SB-16 (6'-8')
Prep Type: Total/NA
Prep Batch: 468838

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
#2 Diesel (C10-C24)	42	J		20.3	J F5	mg/Kg	☼			71	35
Motor Oil (>C24-C36)	45	J		24.7	J F5	mg/Kg	☼			58	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*60*		*50 - 150*

Lab Sample ID: MB 580-468875/1-A
Matrix: Solid
Analysis Batch: 468926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		50	12	mg/Kg		08/20/24 14:59	08/21/24 12:47	1
Motor Oil (>C24-C36)	ND		50	18	mg/Kg		08/20/24 14:59	08/21/24 12:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*08/20/24 14:59*	*08/21/24 12:47*	*1*

Lab Sample ID: LCS 580-468875/2-A
Matrix: Solid
Analysis Batch: 468926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468875

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			500	424		mg/Kg		85	70 - 125		
Motor Oil (>C24-C36)			500	435		mg/Kg		87	70 - 129		

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

Lab Sample ID: LCS 580-468875/2-A
Matrix: Solid
Analysis Batch: 468926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468875

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*76*		*50 - 150*

Method: 2540G - SM 2540G

Lab Sample ID: 580-143025-13 DU
Matrix: Solid
Analysis Batch: 469028

Client Sample ID: SB-16 (10'-12')
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	89.1			89.2		%				0.1	20
Percent Moisture	10.9			10.8		%				0.9	20

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-5R (2'-4')
Lab Sample ID: 580-143025-1
Date Collected: 08/14/24 12:30
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-5R (2'-4')
Lab Sample ID: 580-143025-1
Date Collected: 08/14/24 12:30
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 15:30
Total/NA	Prep	3546	DL		468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx	DL	2	469098	SW	EET SEA	08/22/24 14:36

Client Sample ID: SB-5R (4'-6')
Lab Sample ID: 580-143025-2
Date Collected: 08/14/24 12:30
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-5R (4'-6')
Lab Sample ID: 580-143025-2
Date Collected: 08/14/24 12:30
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 15:49
Total/NA	Prep	3546	DL		468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx	DL	2	469098	SW	EET SEA	08/22/24 14:56

Client Sample ID: SB-13 (2'-4')
Lab Sample ID: 580-143025-3
Date Collected: 08/14/24 13:25
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-13 (2'-4')
Lab Sample ID: 580-143025-3
Date Collected: 08/14/24 13:25
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 16:08
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 15:16

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-13 (4'-6')
Lab Sample ID: 580-143025-4
Date Collected: 08/14/24 13:25
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-13 (4'-6')
Lab Sample ID: 580-143025-4
Date Collected: 08/14/24 13:25
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 16:27
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 15:36

Client Sample ID: SB-14 (2'-4')
Lab Sample ID: 580-143025-5
Date Collected: 08/14/24 14:00
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-14 (2'-4')
Lab Sample ID: 580-143025-5
Date Collected: 08/14/24 14:00
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 16:46
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 16:16

Client Sample ID: SB-14 (4'-6')
Lab Sample ID: 580-143025-6
Date Collected: 08/14/24 14:00
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-14 (4'-6')
Lab Sample ID: 580-143025-6
Date Collected: 08/14/24 14:00
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 17:05
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 16:37

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-15 (2'-4')
Lab Sample ID: 580-143025-7
Date Collected: 08/14/24 15:20
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-15 (2'-4')
Lab Sample ID: 580-143025-7
Date Collected: 08/14/24 15:20
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 17:24
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 16:57

Client Sample ID: SB-15 (4'-6')
Lab Sample ID: 580-143025-8
Date Collected: 08/14/24 15:20
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-15 (4'-6')
Lab Sample ID: 580-143025-8
Date Collected: 08/14/24 15:20
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 17:43
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 17:17

Client Sample ID: SB-3R (6'-8')
Lab Sample ID: 580-143025-9
Date Collected: 08/15/24 15:00
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-3R (6'-8')
Lab Sample ID: 580-143025-9
Date Collected: 08/15/24 15:00
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 18:02
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 17:37

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-3R (10'-12')
Lab Sample ID: 580-143025-10
Date Collected: 08/15/24 15:00
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-3R (10'-12')
Lab Sample ID: 580-143025-10
Date Collected: 08/15/24 15:00
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 18:21
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 17:57

Client Sample ID: SB-16 (6'-8')
Lab Sample ID: 580-143025-12
Date Collected: 08/15/24 09:00
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	468932	AUA	EET SEA	08/21/24 09:49

Client Sample ID: SB-16 (6'-8')
Lab Sample ID: 580-143025-12
Date Collected: 08/15/24 09:00
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 18:58
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 18:38

Client Sample ID: SB-16 (10'-12')
Lab Sample ID: 580-143025-13
Date Collected: 08/15/24 09:00
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	469028	AUA	EET SEA	08/21/24 14:56

Client Sample ID: SB-16 (10'-12')
Lab Sample ID: 580-143025-13
Date Collected: 08/15/24 09:00
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468849	AC	EET SEA	08/20/24 13:15
Total/NA	Analysis	8260D		1	468850	BYM	EET SEA	08/20/24 19:17
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:10
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 18:58

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-17 (6'-8')
Lab Sample ID: 580-143025-15
Date Collected: 08/15/24 11:15
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	469028	AUA	EET SEA	08/21/24 14:56

Client Sample ID: SB-17 (6'-8')
Lab Sample ID: 580-143025-15
Date Collected: 08/15/24 11:15
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468911	BYM	EET SEA	08/21/24 07:40
Total/NA	Analysis	8260D		1	468912	BYM	EET SEA	08/21/24 10:10
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:11
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 19:58

Client Sample ID: SB-17 (10'-12')
Lab Sample ID: 580-143025-16
Date Collected: 08/15/24 11:15
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	469028	AUA	EET SEA	08/21/24 14:56

Client Sample ID: SB-17 (10'-12')
Lab Sample ID: 580-143025-16
Date Collected: 08/15/24 11:15
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468911	BYM	EET SEA	08/21/24 07:40
Total/NA	Analysis	8260D		1	468912	BYM	EET SEA	08/21/24 10:29
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:11
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 20:18

Client Sample ID: SB-18 (6'-8')
Lab Sample ID: 580-143025-18
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	469028	AUA	EET SEA	08/21/24 14:56

Client Sample ID: SB-18 (6'-8')
Lab Sample ID: 580-143025-18
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468911	BYM	EET SEA	08/21/24 07:40
Total/NA	Analysis	8260D		1	468912	BYM	EET SEA	08/21/24 11:07
Total/NA	Prep	3546			468838	ER	EET SEA	08/20/24 12:12
Total/NA	Analysis	NWTPH-Dx		1	469098	SW	EET SEA	08/22/24 20:58

Lab Chronicle

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Client Sample ID: SB-18 (10'-12')
Lab Sample ID: 580-143025-19
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 12:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	469028	AUA	EET SEA	08/21/24 14:56

Client Sample ID: SB-18 (10'-12')
Lab Sample ID: 580-143025-19
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 12:18
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			468911	BYM	EET SEA	08/21/24 07:40
Total/NA	Analysis	8260D		1	468912	BYM	EET SEA	08/21/24 11:26
Total/NA	Prep	3546			468875	AA	EET SEA	08/20/24 14:59
Total/NA	Analysis	NWTPH-Dx		1	468926	SW	EET SEA	08/21/24 15:08

Laboratory References:

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

Accreditation/Certification Summary

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Sample Summary

Client: Hart & Hickman, PC
Job ID: 580-143025-1
Project/Site: Northwest Motorsports - Puyallup

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-143025-1	SB-5R (2'-4')	Solid	08/14/24 12:30	08/16/24 12:18
580-143025-2	SB-5R (4'-6')	Solid	08/14/24 12:30	08/16/24 12:18
580-143025-3	SB-13 (2'-4')	Solid	08/14/24 13:25	08/16/24 12:18
580-143025-4	SB-13 (4'-6')	Solid	08/14/24 13:25	08/16/24 12:18
580-143025-5	SB-14 (2'-4')	Solid	08/14/24 14:00	08/16/24 12:18
580-143025-6	SB-14 (4'-6')	Solid	08/14/24 14:00	08/16/24 12:18
580-143025-7	SB-15 (2'-4')	Solid	08/14/24 15:20	08/16/24 12:18
580-143025-8	SB-15 (4'-6')	Solid	08/14/24 15:20	08/16/24 12:18
580-143025-9	SB-3R (6'-8')	Solid	08/15/24 15:00	08/16/24 12:18
580-143025-10	SB-3R (10'-12')	Solid	08/15/24 15:00	08/16/24 12:18
580-143025-12	SB-16 (6'-8')	Solid	08/15/24 09:00	08/16/24 12:18
580-143025-13	SB-16 (10'-12')	Solid	08/15/24 09:00	08/16/24 12:18
580-143025-15	SB-17 (6'-8')	Solid	08/15/24 11:15	08/16/24 12:18
580-143025-16	SB-17 (10'-12')	Solid	08/15/24 11:15	08/16/24 12:18
580-143025-18	SB-18 (6'-8')	Solid	08/15/24 13:30	08/16/24 12:18
580-143025-19	SB-18 (10'-12')	Solid	08/15/24 13:30	08/16/24 12:18

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Tyler Schulz	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Tyler Schulz	Phone: 704-607-3877	E-Mail: TSchulz@HartHickman.com	State of Origin: WA	Page: Page 1 of 2
Company: Hart + Hickman, P.C.	PWSID:			Job #:

Address: 2923 S. Tryon St., Suite 100	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Charlotte	TAT Requested (days): Standard 5-Day TAT		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: NC 28203	Compliance Project: Δ Yes Δ No		
Phone: 704-586-0007	PO #: Purchase Order not required		
Email: TSchulz@HartHickman.com	WO #:		Other:
Project Name: NWMS-Puyallup	Project #: SAI-413		
Site: 400 River Rd, Puyallup, WA	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	DRO/RRO	VOCs 8260	Total Number of containers	Special Instructions/Note:
		Preservation Code:			X	X	N		X	
SB-5R (2'-4')	8/14/24	1230	G	S			X	X		
SB-5R (4'-6')		1230					X	X		
SB-13 (2'-4')		1325					X	X		
SB-13 (4'-6')		1325					X	X		
SB-14 (2'-4')		1400					X	X		
SB-14 (4'-6')		1400					X	X		
SB-15 (2'-4')		1520					X	X		
SB-15 (4'-6')		1520					X	X		
SB-3R (6'-8')	8/15/24	1500					X	X		
SB-3R (10'-12')		1500					X	X		
SB-3R (14'-16')		1500					X	X		* Hold *

580-143025 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements: * Hold with Extraction *

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/16/24 1100	Company: HHH	Received by:	Date/Time: 8/16/24 1218	Company: EETN
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR11 4.0/4.6 CB/Bub/Wet/LC

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Tyler Schulz	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Tyler Schulz	Phone: 704-607-3877	E-Mail:	State of Origin:	Page: ~~Page 1 of 1~~ 2 of 2
Company: Hart & Hickman, P.C.	PWSID:			Job #:

Address: 2923 S. Tryon St, Suite 100	Due Date Requested:	Analysis Requested
City: Charlotte	TAT Requested (days): Standard 5-Day TAT	
State, Zip: NC 28203	Compliance Project: Δ Yes Δ No	
Phone: 704-586-0007	PO #: Purchase Order not required	
Email: TSchulz@HartHickman.com	WO #:	
Project Name: NWMS - Puyallup	Project #: SAI-413	
Site: 400 River Rd, Puyallup, WA	SSOW#:	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Preservation Code:	D20/1220	VOCs 8260	Total Number of containers	Special Instructions/Note:
							N				
SB-16 (6'-8')	8/15/24	0900	G	S				X	X		
SB-16 (10'-12')		0900						X	X		
SB-16 (14'-16')		0900						X	X		
SB-17 (6'-8')		1115						X	X		* Hold *
SB-17 (10'-12')		1115						X	X		
SB-17 (14'-16')		1115						X	X		
SB-18 (6'-8')		1330						X	X		* Hold *
SB-18 (10'-12')		1330						X	X		
SB-18 (14'-16')		1330	"	"				X	X		* Hold *

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements: * Hold with Extraction *

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:		Date/Time: 8/16/24 1100	Company HH	Received by:		Date/Time: 8/16/24 1218	Company EETN
Relinquished by:		Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:		Date/Time:	Company	Received by:		Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR1 4.0/4.6 LB/Bub/Wet/LC

Ver: 06/16/2019

Login Sample Receipt Checklist

Client: Hart & Hickman, PC

Job Number: 580-143025-1

Login Number: 143025
List Number: 1
Creator: Martinez, Lanea

List Source: Eurofins Seattle

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

Date of Report: 09/04/2024

Tyler Shulz

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Client Project:	SAI-413
Pace Project:	NWMS
Pace Work Order:	2413336
Invoice ID:	B503636

Enclosed are the results of analyses for samples received by the laboratory on 8/20/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Cari Bernotas
Client Services Rep.

Stuart Buttram
Operations Manager

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

Table of Contents

Pace® ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

Air Chain of C

2413336

Report To: Client: Hart & Hickman, P.C.	Project #: SAI-413
Attn: Tyler Schulz	Project Name: NWMS
Street Address: 2923 S. Tryon St., Suite 100	Sampler(s): (Print) Tyler Schulz
City, State, Zip: Charlotte, NC 28203	
Phone: 704-586-0007 Fax: —	
Email: TSchulz@HartHickman.com	
Work Order #: 24-13336	

Comments:

DATA PACKAGE: ☐ Yes ☐ No (If "Yes", Select one) ☐ III ☐ IV

UNITS (select one): ☐ ppbv ☒ µg/m3

Sample #	Sample ID	Field ID / Point Of Collection	Date Sampled	Time Sampled	Analysis Requested: TO-15	Air Type: Soil Vapor (SV) Ambient (A)	Sampling Equipment: Initial Pressure ("Hg)	Sampling Equipment: Canister ID #	Sampling Equipment: Flow Controller ID #	Start Sampling Information: Time	Start Sampling Information: Canister Pressure ("Hg)	Stop Sampling Information: Time	Stop Sampling Information: Canister Pressure ("Hg)	Lab Received Pressure (psia)	Notes
-1	IAS-1	Service Bay	8/16/24	8hr	X	A	-30	27732	13691	0740	-30	1531	-5		*Hold all
-2	IAS-2	Service Bay			X		-30	27742	06023	0735	-30	1539	-5		Samples for
3	IAS-3	Business Center			X		-30	08023	8169	0742	-30	1537	-5		SSV Sample
-4	IAS-4	Show Room			X		-30	37576	18713	0746	-30	1538	-5		Data *
-5	IAS-5	Downstairs Office			X		-30	0781	10013	0750	-30	1541	-7		* Hold
-6	BG	Outside			X		-30	27740	10003	0800	-30	1544	-6		with
-7	IAS Dup 1	Duplicate			X		-30	37498	—	—	-30	—	-5		Extraction*

CHK BY: JW | DISTRIBUTION: pi | SUB OUT ☐

Billing ☒ Same as above

Client:

Street Address:

City: State: Zip:

Attn: Fax:

P.O.#:

Result Request **Surcharge: ☒ STD (10 Days) ☐ 5 Day** ☐ 4 Day** ☐ 3 Day** ☐ 2 Day** ☐ 1 Day**

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	8/16/24	2025	1. [signature]	8/20/24	0950
2.			2.		
3.			3.		

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 1

Submission #: 24-13336

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☐ None ☐ Box ☒
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☒
W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received
☒ YES ☐ NO

Emissivity: 1 Container: Summa Thermometer ID: 1 Date/Time 8/20/24

Temperature: (A) Room °C / (C) Temp °C Analyst Init UB 10950

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER G12	A	A	A	A	A	A	A	A		

Comments:
Sample Numbering Completed By: SMH Date/Time: 8.20.24 1214
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2413336-01	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 07:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IAS-1	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413336-02	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 07:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IAS-2	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413336-03	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 07:42
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IAS-3	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413336-04	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 07:46
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IAS-4	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413336-05	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 07:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IAS-5	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413336-06	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 08:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	BG	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413336-07	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IAS-DUP-1	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-01 | **Client Sample Name:** IAS-1, 8/16/2024 7:40:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	2.0	0.53	EPA-TO-15	ND		1
Acetone	**10**	**ug/m3**	**5.0**	**0.43**	**EPA-TO-15**	**ND**		**1**
Acrylonitrile	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
Allyl chloride	ND	ug/m3	2.0	0.28	EPA-TO-15	ND		1
Benzene	ND	ug/m3	2.0	0.21	EPA-TO-15	ND		1
Benzyl chloride	ND	ug/m3	10	0.26	EPA-TO-15	ND		1
Bromodichloromethane	ND	ug/m3	5.0	0.45	EPA-TO-15	ND		1
Bromoform	ND	ug/m3	10	0.86	EPA-TO-15	ND		1
Bromomethane	ND	ug/m3	2.0	0.47	EPA-TO-15	ND		1
1,3-Butadiene	ND	ug/m3	2.0	0.22	EPA-TO-15	ND		1
Carbon disulfide	ND	ug/m3	2.0	0.19	EPA-TO-15	ND		1
Carbon tetrachloride	ND	ug/m3	5.0	0.45	EPA-TO-15	ND		1
Chlorobenzene	ND	ug/m3	5.0	0.40	EPA-TO-15	ND		1
Chloroethane	ND	ug/m3	2.0	0.53	EPA-TO-15	ND		1
Chloroform	ND	ug/m3	5.0	0.54	EPA-TO-15	ND		1
Chloromethane	**1.1**	**ug/m3**	**2.0**	**0.21**	**EPA-TO-15**	**ND**	**J**	**1**
Cyclohexane	ND	ug/m3	2.0	0.38	EPA-TO-15	ND		1
Dibromochloromethane	ND	ug/m3	5.0	0.43	EPA-TO-15	ND		1
1,2-Dibromoethane	ND	ug/m3	5.0	0.58	EPA-TO-15	ND		1
1,2-Dichlorobenzene	ND	ug/m3	5.0	0.50	EPA-TO-15	ND		1
1,3-Dichlorobenzene	ND	ug/m3	5.0	0.31	EPA-TO-15	ND		1
1,4-Dichlorobenzene	ND	ug/m3	5.0	0.50	EPA-TO-15	ND		1
Dichlorodifluoromethane	**2.0**	**ug/m3**	**5.0**	**0.45**	**EPA-TO-15**	**ND**	**J**	**1**
1,1-Dichloroethane	ND	ug/m3	5.0	0.23	EPA-TO-15	ND		1
1,2-Dichloroethane	ND	ug/m3	5.0	0.26	EPA-TO-15	ND		1
1,1-Dichloroethene	ND	ug/m3	5.0	0.31	EPA-TO-15	ND		1
cis-1,2-Dichloroethene	ND	ug/m3	2.0	0.32	EPA-TO-15	ND		1
trans-1,2-Dichloroethene	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
1,2-Dichloropropane	ND	ug/m3	5.0	0.32	EPA-TO-15	ND		1
cis-1,3-Dichloropropene	ND	ug/m3	5.0	0.30	EPA-TO-15	ND		1
trans-1,3-Dichloropropene	ND	ug/m3	5.0	0.40	EPA-TO-15	ND		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	5.0	0.91	EPA-TO-15	ND		1
1,1-Difluoroethane	**3.8**	**ug/m3**	**5.0**	**2.0**	**EPA-TO-15**	**ND**	**J**	**1**

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-01 | **Client Sample Name:** IAS-1, 8/16/2024 7:40:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Ethanol	**510**	**ug/m3**	**40**	**8.4**	**EPA-TO-15**	**ND**	**A01**	**2**
Ethyl acetate	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Ethylbenzene	ND	ug/m3	5.0	0.32	EPA-TO-15	ND		1
1-Ethyl-4-methylbenzene	ND	ug/m3	5.0	0.30	EPA-TO-15	ND		1
n-Heptane	**0.55**	**ug/m3**	**2.0**	**0.34**	**EPA-TO-15**	**ND**	**J**	**1**
Hexachlorobutadiene	ND	ug/m3	10	1.5	EPA-TO-15	ND		1
Hexane	ND	ug/m3	5.0	0.20	EPA-TO-15	ND		1
2-Hexanone	ND	ug/m3	5.0	0.29	EPA-TO-15	ND		1
Isopropyl alcohol	**6.1**	**ug/m3**	**2.0**	**0.32**	**EPA-TO-15**	**ND**		**1**
Methylene chloride	**1.0**	**ug/m3**	**10**	**0.40**	**EPA-TO-15**	**ND**	**J**	**1**
Methyl ethyl ketone	**0.73**	**ug/m3**	**2.0**	**0.19**	**EPA-TO-15**	**ND**	**J**	**1**
Methyl isobutyl ketone	ND	ug/m3	5.0	0.26	EPA-TO-15	ND		1
Methyl t-butyl ether	ND	ug/m3	2.0	0.28	EPA-TO-15	ND		1
Propylene	ND	ug/m3	2.0	0.25	EPA-TO-15	ND		1
Styrene	**0.51**	**ug/m3**	**5.0**	**0.24**	**EPA-TO-15**	**ND**	**J**	**1**
1,1,2,2-Tetrachloroethane	ND	ug/m3	5.0	0.47	EPA-TO-15	ND		1
Tetrachloroethene	**0.87**	**ug/m3**	**2.0**	**0.50**	**EPA-TO-15**	**ND**	**J**	**1**
Tetrahydrofuran	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
Toluene	**1.9**	**ug/m3**	**2.0**	**0.27**	**EPA-TO-15**	**ND**	**J**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	10	0.82	EPA-TO-15	ND		1
1,1,1-Trichloroethane	ND	ug/m3	5.0	0.39	EPA-TO-15	ND		1
1,1,2-Trichloroethane	ND	ug/m3	5.0	0.61	EPA-TO-15	ND		1
Trichloroethene	ND	ug/m3	2.0	0.54	EPA-TO-15	ND		1
Trichlorofluoromethane	**1.1**	**ug/m3**	**5.0**	**0.47**	**EPA-TO-15**	**ND**	**J**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	5.0	0.55	EPA-TO-15	ND		1
1,2,4-Trimethylbenzene	**0.58**	**ug/m3**	**5.0**	**0.40**	**EPA-TO-15**	**ND**	**J**	**1**
1,3,5-Trimethylbenzene	ND	ug/m3	5.0	0.40	EPA-TO-15	ND		1
Vinyl acetate	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Vinyl chloride	ND	ug/m3	2.0	0.39	EPA-TO-15	ND		1
p- & m-Xylenes	**1.1**	**ug/m3**	**5.0**	**0.61**	**EPA-TO-15**	**ND**	**J**	**1**
o-Xylene	ND	ug/m3	5.0	0.30	EPA-TO-15	ND		1
Total Xylenes	**1.1**	**ug/m3**	**10**	**0.91**	**EPA-TO-15**	**ND**	**J**	**1**

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-01 | **Client Sample Name:** IAS-1, 8/16/2024 7:40:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	99.3	%	70 - 130 (LCL - UCL)		EPA-TO-15			1
4-Bromofluorobenzene (Surrogate)	92.6	%	70 - 130 (LCL - UCL)		EPA-TO-15			2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/29/24 11:16	08/30/24 05:35	BEP	MS-A2	1	B195946	EPA TO-15
2	EPA-TO-15	08/29/24 11:16	08/30/24 23:16	BEP	MS-A2	20	B195946	EPA TO-15

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-02 | **Client Sample Name:** IAS-2, 8/16/2024 7:35:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	**0.84**	**ug/m3**	**2.0**	**0.53**	**EPA-TO-15**	**ND**	**J**	**1**
Acetone	**11**	**ug/m3**	**5.0**	**0.43**	**EPA-TO-15**	**ND**		**1**
Acrylonitrile	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
Allyl chloride	ND	ug/m3	2.0	0.28	EPA-TO-15	ND		1
Benzene	ND	ug/m3	2.0	0.21	EPA-TO-15	ND		1
Benzyl chloride	ND	ug/m3	10	0.26	EPA-TO-15	ND		1
Bromodichloromethane	ND	ug/m3	5.0	0.45	EPA-TO-15	ND		1
Bromoform	ND	ug/m3	10	0.86	EPA-TO-15	ND		1
Bromomethane	ND	ug/m3	2.0	0.47	EPA-TO-15	ND		1
1,3-Butadiene	ND	ug/m3	2.0	0.22	EPA-TO-15	ND		1
Carbon disulfide	ND	ug/m3	2.0	0.19	EPA-TO-15	ND		1
Carbon tetrachloride	ND	ug/m3	5.0	0.45	EPA-TO-15	ND		1
Chlorobenzene	ND	ug/m3	5.0	0.40	EPA-TO-15	ND		1
Chloroethane	ND	ug/m3	2.0	0.53	EPA-TO-15	ND		1
Chloroform	ND	ug/m3	5.0	0.54	EPA-TO-15	ND		1
Chloromethane	**1.1**	**ug/m3**	**2.0**	**0.21**	**EPA-TO-15**	**ND**	**J**	**1**
Cyclohexane	ND	ug/m3	2.0	0.38	EPA-TO-15	ND		1
Dibromochloromethane	ND	ug/m3	5.0	0.43	EPA-TO-15	ND		1
1,2-Dibromoethane	ND	ug/m3	5.0	0.58	EPA-TO-15	ND		1
1,2-Dichlorobenzene	ND	ug/m3	5.0	0.50	EPA-TO-15	ND		1
1,3-Dichlorobenzene	ND	ug/m3	5.0	0.31	EPA-TO-15	ND		1
1,4-Dichlorobenzene	ND	ug/m3	5.0	0.50	EPA-TO-15	ND		1
Dichlorodifluoromethane	**2.2**	**ug/m3**	**5.0**	**0.45**	**EPA-TO-15**	**ND**	**J**	**1**
1,1-Dichloroethane	ND	ug/m3	5.0	0.23	EPA-TO-15	ND		1
1,2-Dichloroethane	ND	ug/m3	5.0	0.26	EPA-TO-15	ND		1
1,1-Dichloroethene	ND	ug/m3	5.0	0.31	EPA-TO-15	ND		1
cis-1,2-Dichloroethene	ND	ug/m3	2.0	0.32	EPA-TO-15	ND		1
trans-1,2-Dichloroethene	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
1,2-Dichloropropane	ND	ug/m3	5.0	0.32	EPA-TO-15	ND		1
cis-1,3-Dichloropropene	ND	ug/m3	5.0	0.30	EPA-TO-15	ND		1
trans-1,3-Dichloropropene	ND	ug/m3	5.0	0.40	EPA-TO-15	ND		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	5.0	0.91	EPA-TO-15	ND		1
1,1-Difluoroethane	ND	ug/m3	5.0	2.0	EPA-TO-15	ND		1

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-02 | **Client Sample Name:** IAS-2, 8/16/2024 7:35:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Ethanol	**130**	**ug/m3**	**40**	**8.4**	**EPA-TO-15**	**ND**	**A01**	**2**
Ethyl acetate	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Ethylbenzene	**2.7**	**ug/m3**	**5.0**	**0.32**	**EPA-TO-15**	**ND**	**J**	**1**
1-Ethyl-4-methylbenzene	**9.9**	**ug/m3**	**5.0**	**0.30**	**EPA-TO-15**	**ND**		**1**
n-Heptane	**4.8**	**ug/m3**	**2.0**	**0.34**	**EPA-TO-15**	**ND**		**1**
Hexachlorobutadiene	ND	ug/m3	10	1.5	EPA-TO-15	ND		1
Hexane	ND	ug/m3	5.0	0.20	EPA-TO-15	ND		1
2-Hexanone	ND	ug/m3	5.0	0.29	EPA-TO-15	ND		1
Isopropyl alcohol	**3.3**	**ug/m3**	**2.0**	**0.32**	**EPA-TO-15**	**ND**		**1**
Methylene chloride	**1.3**	**ug/m3**	**10**	**0.40**	**EPA-TO-15**	**ND**	**J**	**1**
Methyl ethyl ketone	**0.91**	**ug/m3**	**2.0**	**0.19**	**EPA-TO-15**	**ND**	**J**	**1**
Methyl isobutyl ketone	ND	ug/m3	5.0	0.26	EPA-TO-15	ND		1
Methyl t-butyl ether	ND	ug/m3	2.0	0.28	EPA-TO-15	ND		1
Propylene	ND	ug/m3	2.0	0.25	EPA-TO-15	ND		1
Styrene	ND	ug/m3	5.0	0.24	EPA-TO-15	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/m3	5.0	0.47	EPA-TO-15	ND		1
Tetrachloroethene	ND	ug/m3	2.0	0.50	EPA-TO-15	ND		1
Tetrahydrofuran	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
Toluene	**6.8**	**ug/m3**	**2.0**	**0.27**	**EPA-TO-15**	**ND**		**1**
1,2,4-Trichlorobenzene	ND	ug/m3	10	0.82	EPA-TO-15	ND		1
1,1,1-Trichloroethane	ND	ug/m3	5.0	0.39	EPA-TO-15	ND		1
1,1,2-Trichloroethane	ND	ug/m3	5.0	0.61	EPA-TO-15	ND		1
Trichloroethene	ND	ug/m3	2.0	0.54	EPA-TO-15	ND		1
Trichlorofluoromethane	**1.6**	**ug/m3**	**5.0**	**0.47**	**EPA-TO-15**	**ND**	**J**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	5.0	0.55	EPA-TO-15	ND		1
1,2,4-Trimethylbenzene	**12**	**ug/m3**	**5.0**	**0.40**	**EPA-TO-15**	**ND**		**1**
1,3,5-Trimethylbenzene	**3.5**	**ug/m3**	**5.0**	**0.40**	**EPA-TO-15**	**ND**	**J**	**1**
Vinyl acetate	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Vinyl chloride	ND	ug/m3	2.0	0.39	EPA-TO-15	ND		1
p- & m-Xylenes	**12**	**ug/m3**	**5.0**	**0.61**	**EPA-TO-15**	**ND**		**1**
o-Xylene	**5.3**	**ug/m3**	**5.0**	**0.30**	**EPA-TO-15**	**ND**		**1**
Total Xylenes	**18**	**ug/m3**	**10**	**0.91**	**EPA-TO-15**	**ND**		**1**

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2923 S Tryon Street, Suite 100
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Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-02 | **Client Sample Name:** IAS-2, 8/16/2024 7:35:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	101	%	70 - 130 (LCL - UCL)		EPA-TO-15			1
4-Bromofluorobenzene (Surrogate)	95.7	%	70 - 130 (LCL - UCL)		EPA-TO-15			2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/29/24 11:16	08/30/24 06:23	BEP	MS-A2	1	B195946	EPA TO-15
2	EPA-TO-15	08/29/24 11:16	08/30/24 23:57	BEP	MS-A2	20	B195946	EPA TO-15

DCN = Data Continuation Number

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Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-03 | **Client Sample Name:** IAS-3, 8/16/2024 7:42:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	2.0	0.53	EPA-TO-15	ND		1
Acetone	**10**	**ug/m3**	**5.0**	**0.43**	**EPA-TO-15**	**ND**		**1**
Acrylonitrile	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
Allyl chloride	ND	ug/m3	2.0	0.28	EPA-TO-15	ND		1
Benzene	ND	ug/m3	2.0	0.21	EPA-TO-15	ND		1
Benzyl chloride	ND	ug/m3	10	0.26	EPA-TO-15	ND		1
Bromodichloromethane	ND	ug/m3	5.0	0.45	EPA-TO-15	ND		1
Bromoform	ND	ug/m3	10	0.86	EPA-TO-15	ND		1
Bromomethane	ND	ug/m3	2.0	0.47	EPA-TO-15	ND		1
1,3-Butadiene	ND	ug/m3	2.0	0.22	EPA-TO-15	ND		1
Carbon disulfide	ND	ug/m3	2.0	0.19	EPA-TO-15	ND		1
Carbon tetrachloride	ND	ug/m3	5.0	0.45	EPA-TO-15	ND		1
Chlorobenzene	ND	ug/m3	5.0	0.40	EPA-TO-15	ND		1
Chloroethane	ND	ug/m3	2.0	0.53	EPA-TO-15	ND		1
Chloroform	ND	ug/m3	5.0	0.54	EPA-TO-15	ND		1
Chloromethane	**1.1**	**ug/m3**	**2.0**	**0.21**	**EPA-TO-15**	**ND**	**J**	**1**
Cyclohexane	ND	ug/m3	2.0	0.38	EPA-TO-15	ND		1
Dibromochloromethane	ND	ug/m3	5.0	0.43	EPA-TO-15	ND		1
1,2-Dibromoethane	ND	ug/m3	5.0	0.58	EPA-TO-15	ND		1
1,2-Dichlorobenzene	ND	ug/m3	5.0	0.50	EPA-TO-15	ND		1
1,3-Dichlorobenzene	ND	ug/m3	5.0	0.31	EPA-TO-15	ND		1
1,4-Dichlorobenzene	ND	ug/m3	5.0	0.50	EPA-TO-15	ND		1
Dichlorodifluoromethane	**2.2**	**ug/m3**	**5.0**	**0.45**	**EPA-TO-15**	**ND**	**J**	**1**
1,1-Dichloroethane	ND	ug/m3	5.0	0.23	EPA-TO-15	ND		1
1,2-Dichloroethane	ND	ug/m3	5.0	0.26	EPA-TO-15	ND		1
1,1-Dichloroethene	ND	ug/m3	5.0	0.31	EPA-TO-15	ND		1
cis-1,2-Dichloroethene	ND	ug/m3	2.0	0.32	EPA-TO-15	ND		1
trans-1,2-Dichloroethene	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
1,2-Dichloropropane	ND	ug/m3	5.0	0.32	EPA-TO-15	ND		1
cis-1,3-Dichloropropene	ND	ug/m3	5.0	0.30	EPA-TO-15	ND		1
trans-1,3-Dichloropropene	ND	ug/m3	5.0	0.40	EPA-TO-15	ND		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	5.0	0.91	EPA-TO-15	ND		1
1,1-Difluoroethane	**3.5**	**ug/m3**	**5.0**	**2.0**	**EPA-TO-15**	**ND**	**J**	**1**

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Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-03 | **Client Sample Name:** IAS-3, 8/16/2024 7:42:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Ethanol	**470**	**ug/m3**	**40**	**8.4**	**EPA-TO-15**	**ND**	**A01**	**2**
Ethyl acetate	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Ethylbenzene	**0.44**	**ug/m3**	**5.0**	**0.32**	**EPA-TO-15**	**ND**	**J**	**1**
1-Ethyl-4-methylbenzene	**1.4**	**ug/m3**	**5.0**	**0.30**	**EPA-TO-15**	**ND**	**J**	**1**
n-Heptane	**0.82**	**ug/m3**	**2.0**	**0.34**	**EPA-TO-15**	**ND**	**J**	**1**
Hexachlorobutadiene	ND	ug/m3	10	1.5	EPA-TO-15	ND		1
Hexane	ND	ug/m3	5.0	0.20	EPA-TO-15	ND		1
2-Hexanone	ND	ug/m3	5.0	0.29	EPA-TO-15	ND		1
Isopropyl alcohol	**5.6**	**ug/m3**	**2.0**	**0.32**	**EPA-TO-15**	**ND**		**1**
Methylene chloride	ND	ug/m3	10	0.40	EPA-TO-15	ND		1
Methyl ethyl ketone	ND	ug/m3	2.0	0.19	EPA-TO-15	ND		1
Methyl isobutyl ketone	ND	ug/m3	5.0	0.26	EPA-TO-15	ND		1
Methyl t-butyl ether	ND	ug/m3	2.0	0.28	EPA-TO-15	ND		1
Propylene	ND	ug/m3	2.0	0.25	EPA-TO-15	ND		1
Styrene	ND	ug/m3	5.0	0.24	EPA-TO-15	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/m3	5.0	0.47	EPA-TO-15	ND		1
Tetrachloroethene	ND	ug/m3	2.0	0.50	EPA-TO-15	ND		1
Tetrahydrofuran	ND	ug/m3	2.0	0.27	EPA-TO-15	ND		1
Toluene	**2.2**	**ug/m3**	**2.0**	**0.27**	**EPA-TO-15**	**ND**		**1**
1,2,4-Trichlorobenzene	ND	ug/m3	10	0.82	EPA-TO-15	ND		1
1,1,1-Trichloroethane	ND	ug/m3	5.0	0.39	EPA-TO-15	ND		1
1,1,2-Trichloroethane	ND	ug/m3	5.0	0.61	EPA-TO-15	ND		1
Trichloroethene	ND	ug/m3	2.0	0.54	EPA-TO-15	ND		1
Trichlorofluoromethane	**1.7**	**ug/m3**	**5.0**	**0.47**	**EPA-TO-15**	**ND**	**J**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	5.0	0.55	EPA-TO-15	ND		1
1,2,4-Trimethylbenzene	**1.8**	**ug/m3**	**5.0**	**0.40**	**EPA-TO-15**	**ND**	**J**	**1**
1,3,5-Trimethylbenzene	**0.61**	**ug/m3**	**5.0**	**0.40**	**EPA-TO-15**	**ND**	**J**	**1**
Vinyl acetate	ND	ug/m3	2.0	0.33	EPA-TO-15	ND		1
Vinyl chloride	ND	ug/m3	2.0	0.39	EPA-TO-15	ND		1
p- & m-Xylenes	**1.9**	**ug/m3**	**5.0**	**0.61**	**EPA-TO-15**	**ND**	**J**	**1**
o-Xylene	**0.81**	**ug/m3**	**5.0**	**0.30**	**EPA-TO-15**	**ND**	**J**	**1**
Total Xylenes	**2.7**	**ug/m3**	**10**	**0.91**	**EPA-TO-15**	**ND**	**J**	**1**

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413336-03 | **Client Sample Name:** IAS-3, 8/16/2024 7:42:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-TO-15			1
4-Bromofluorobenzene (Surrogate)	92.0	%	70 - 130 (LCL - UCL)		EPA-TO-15			2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/29/24 11:16	08/30/24 07:12	BEP	MS-A2	1	B195946	EPA TO-15
2	EPA-TO-15	08/29/24 11:16	08/31/24 00:41	BEP	MS-A2	20	B195946	EPA TO-15

DCN = Data Continuation Number

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Charlotte, NC 28203

Reported: 09/04/2024 9:15
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Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B195946							
Chlorodifluoromethane	B195946-BLK1	ND	ug/m3	2.0	0.53		1
Acetone	B195946-BLK1	ND	ug/m3	5.0	0.43		1
Acrylonitrile	B195946-BLK1	ND	ug/m3	2.0	0.27		1
Allyl chloride	B195946-BLK1	ND	ug/m3	2.0	0.28		1
Benzene	B195946-BLK1	ND	ug/m3	2.0	0.21		1
Benzyl chloride	B195946-BLK1	ND	ug/m3	10	0.26		1
Bromodichloromethane	B195946-BLK1	ND	ug/m3	5.0	0.45		1
Bromoform	B195946-BLK1	ND	ug/m3	10	0.86		1
Bromomethane	B195946-BLK1	ND	ug/m3	2.0	0.47		1
1,3-Butadiene	B195946-BLK1	ND	ug/m3	2.0	0.22		1
Carbon disulfide	B195946-BLK1	ND	ug/m3	2.0	0.19		1
Carbon tetrachloride	B195946-BLK1	ND	ug/m3	5.0	0.45		1
Chlorobenzene	B195946-BLK1	ND	ug/m3	5.0	0.40		1
Chloroethane	B195946-BLK1	ND	ug/m3	2.0	0.53		1
Chloroform	B195946-BLK1	ND	ug/m3	5.0	0.54		1
Chloromethane	B195946-BLK1	ND	ug/m3	2.0	0.21		1
Cyclohexane	B195946-BLK1	ND	ug/m3	2.0	0.38		1
Dibromochloromethane	B195946-BLK1	ND	ug/m3	5.0	0.43		1
1,2-Dibromoethane	B195946-BLK1	ND	ug/m3	5.0	0.58		1
1,2-Dichlorobenzene	B195946-BLK1	ND	ug/m3	5.0	0.50		1
1,3-Dichlorobenzene	B195946-BLK1	ND	ug/m3	5.0	0.31		1
1,4-Dichlorobenzene	B195946-BLK1	ND	ug/m3	5.0	0.50		1
Dichlorodifluoromethane	B195946-BLK1	ND	ug/m3	5.0	0.45		1
1,1-Dichloroethane	B195946-BLK1	ND	ug/m3	5.0	0.23		1
1,2-Dichloroethane	B195946-BLK1	ND	ug/m3	5.0	0.26		1
1,1-Dichloroethene	B195946-BLK1	ND	ug/m3	5.0	0.31		1
cis-1,2-Dichloroethene	B195946-BLK1	ND	ug/m3	2.0	0.32		1
trans-1,2-Dichloroethene	B195946-BLK1	ND	ug/m3	2.0	0.27		1
1,2-Dichloropropane	B195946-BLK1	ND	ug/m3	5.0	0.32		1
cis-1,3-Dichloropropene	B195946-BLK1	ND	ug/m3	5.0	0.30		1
trans-1,3-Dichloropropene	B195946-BLK1	ND	ug/m3	5.0	0.40		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	B195946-BLK1	ND	ug/m3	5.0	0.91		1
1,1-Difluoroethane	B195946-BLK1	ND	ug/m3	5.0	2.0		1
1,4-Dioxane	B195946-BLK1	ND	ug/m3	2.0	0.33		1

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Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B195946							
Ethanol	B195946-BLK1	ND	ug/m3	2.0	0.42		1
Ethyl acetate	B195946-BLK1	ND	ug/m3	2.0	0.33		1
Ethylbenzene	B195946-BLK1	ND	ug/m3	5.0	0.32		1
1-Ethyl-4-methylbenzene	B195946-BLK1	ND	ug/m3	5.0	0.30		1
n-Heptane	B195946-BLK1	ND	ug/m3	2.0	0.34		1
Hexachlorobutadiene	B195946-BLK1	ND	ug/m3	10	1.5		1
Hexane	B195946-BLK1	ND	ug/m3	5.0	0.20		1
2-Hexanone	B195946-BLK1	ND	ug/m3	5.0	0.29		1
Isopropyl alcohol	B195946-BLK1	ND	ug/m3	2.0	0.32		1
Methylene chloride	B195946-BLK1	ND	ug/m3	10	0.40		1
Methyl ethyl ketone	B195946-BLK1	ND	ug/m3	2.0	0.19		1
Methyl isobutyl ketone	B195946-BLK1	ND	ug/m3	5.0	0.26		1
Methyl t-butyl ether	B195946-BLK1	ND	ug/m3	2.0	0.28		1
Propylene	B195946-BLK1	ND	ug/m3	2.0	0.25		1
Styrene	B195946-BLK1	ND	ug/m3	5.0	0.24		1
1,1,2,2-Tetrachloroethane	B195946-BLK1	ND	ug/m3	5.0	0.47		1
Tetrachloroethene	B195946-BLK1	ND	ug/m3	2.0	0.50		1
Tetrahydrofuran	B195946-BLK1	ND	ug/m3	2.0	0.27		1
Toluene	B195946-BLK1	ND	ug/m3	2.0	0.27		1
1,2,4-Trichlorobenzene	B195946-BLK1	ND	ug/m3	10	0.82		1
1,1,1-Trichloroethane	B195946-BLK1	ND	ug/m3	5.0	0.39		1
1,1,2-Trichloroethane	B195946-BLK1	ND	ug/m3	5.0	0.61		1
Trichloroethene	B195946-BLK1	ND	ug/m3	2.0	0.54		1
Trichlorofluoromethane	B195946-BLK1	ND	ug/m3	5.0	0.47		1
1,1,2-Trichloro-1,2,2-trifluoroethane	B195946-BLK1	ND	ug/m3	5.0	0.55		1
1,2,4-Trimethylbenzene	B195946-BLK1	ND	ug/m3	5.0	0.40		1
1,3,5-Trimethylbenzene	B195946-BLK1	ND	ug/m3	5.0	0.40		1
Vinyl acetate	B195946-BLK1	ND	ug/m3	2.0	0.33		1
Vinyl chloride	B195946-BLK1	ND	ug/m3	2.0	0.39		1
p- & m-Xylenes	B195946-BLK1	ND	ug/m3	5.0	0.61		1
o-Xylene	B195946-BLK1	ND	ug/m3	5.0	0.30		1
Total Xylenes	B195946-BLK1	ND	ug/m3	10	0.91		1
4-Bromofluorobenzene (Surrogate)	**B195946-BLK1**	**99.4**	%	**70 - 130 (LCL - UCL)**			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B195946-BLK1	PB	EPA-TO-15	08/29/24	08/29/24 15:11	BEP	MS-A2	1

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 09/04/2024 9:15
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B195946											
Benzene	B195946-BS1	LCS	15.132	15.974	ug/m3	94.7		70 - 130			1
	B195946-BSD1	LCSD	15.520	15.974	ug/m3	97.2	2.5	70 - 130	25		2
Chloroform	B195946-BS1	LCS	23.417	24.413	ug/m3	95.9		70 - 130			1
	B195946-BSD1	LCSD	23.565	24.413	ug/m3	96.5	0.6	70 - 130	25		2
Ethylbenzene	B195946-BS1	LCS	22.583	21.711	ug/m3	104		70 - 130			1
	B195946-BSD1	LCSD	22.953	21.711	ug/m3	106	1.6	70 - 130	25		2
Tetrachloroethene	B195946-BS1	LCS	35.147	33.913	ug/m3	104		70 - 130			1
	B195946-BSD1	LCSD	35.515	33.913	ug/m3	105	1.0	70 - 130	25		2
Toluene	B195946-BS1	LCS	18.721	18.842	ug/m3	99.4		70 - 130			1
	B195946-BSD1	LCSD	18.907	18.842	ug/m3	100	1.0	70 - 130	25		2
Trichloroethene	B195946-BS1	LCS	27.659	26.869	ug/m3	103		70 - 130			1
	B195946-BSD1	LCSD	28.273	26.869	ug/m3	105	2.2	70 - 130	25		2
Trichlorofluoromethane	B195946-BS1	LCS	27.169	28.092	ug/m3	96.7		70 - 130			1
	B195946-BSD1	LCSD	27.784	28.092	ug/m3	98.9	2.2	70 - 130	25		2
1,1,2-Trichloro-1,2,2-trifluoroethane	B195946-BS1	LCS	37.039	38.318	ug/m3	96.7		70 - 130			1
	B195946-BSD1	LCSD	37.668	38.318	ug/m3	98.3	1.7	70 - 130	25		2
p- & m-Xylenes	B195946-BS1	LCS	45.588	43.421	ug/m3	105		70 - 130			1
	B195946-BSD1	LCSD	46.272	43.421	ug/m3	107	1.5	70 - 130	25		2
o-Xylene	B195946-BS1	LCS	22.846	21.711	ug/m3	105		70 - 130			1
	B195946-BSD1	LCSD	23.237	21.711	ug/m3	107	1.7	70 - 130	25		2
Total Xylenes	B195946-BS1	LCS	68.434	65.132	ug/m3	105		70 - 130			1
	B195946-BSD1	LCSD	69.509	65.132	ug/m3	107	1.6	70 - 130	25		2
4-Bromofluorobenzene (Surrogate)	B195946-BS1	LCS	72.3	71.6	ug/m3	101		70 - 130			1
	B195946-BSD1	LCSD	71.4	71.6	ug/m3	99.8	1.2	70 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B195946-BS1	LCS	EPA-TO-15	08/29/24	08/29/24 13:41	BEP	MS-A2	1
2	B195946-BSD1	LCSD	EPA-TO-15	08/29/24	08/29/24 14:25	BEP	MS-A2	1

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC	**Reported:** 09/04/2024 9:15
2923 S Tryon Street, Suite 100	Project: NWMS
Charlotte, NC 28203	Project Number: SAI-413
	Project Manager: Tyler Shulz

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.

Pace
ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

Air Chain of C

2413337

Report To:		Project #: SAI-413
Client: Hart + Hickman, P.C.		
Attn: Tyler Schulz		Project Name: NWMS
Street Address: 2923 S. Tryon St., Suite 100		
City, State, Zip: Charlotte, NC 28203		Sampler(s): (Print) Tyler Schulz
Phone: 704-586-0007 Fax: —		
Email: Tschulz@HartHickman.com		
Work Order #: 24-13337		

Analysis Requested: TO-15

Air Type: Soil Vapor (SV) / Ambient (A)

Comments:

DATA PACKAGE: ☐ Yes ☐ No (If "Yes", Select one) ☐ III ☐ IV

UNITS (select one): ☐ ppbv ☒ µg/m3

Sample #	Sample ID	Field ID / Point Of Collection	Date Sampled	Time Sampled	Air Type	Sampling Equipment: Initial Pressure ("Hg)	Sampling Equipment: Canister ID #	Sampling Equipment: Flow Controller ID #	Start Sampling Information: Time	Start Sampling Information: Canister Pressure ("Hg)	Stop Sampling Information: Time	Stop Sampling Information: Canister Pressure ("Hg)	Lab Received Pressure (psia)	Notes
-1	SSV-1	Showroom	8/16/24	10 min	SV	-29	1148	1041	1619	-29	1629	-5		
-2	SSV-2	Service Bay				-28	2854	1250	1632	-28	1638			
-3	SSV-3	Service Bay				-29	2370	1288	1644	-29	1651			
-4	SSV-4	Business Center ~~Work Station~~				-29	10907	1195	1700	-29	1708			
-5	SSV-5	South Service Bay				-29	10254	1170	1714	-29	1728			
-6	SSV-6	South Service Bay				-28	1939	1060	1735	-28	1743			
-7	SSV-7	Basement				-28	5156	1205	1750	-28	1800			
-8	SSV-8	Outbuilding Service Bay				-29	1480	1246	1813	-29	1820			
-9	SSV-Dup-1	Duplicate				-29	15126	—	—	-29	—			

CHK BY JW

DISTRIBUTION

SUB OUT ☐

Billing ☒ Same as above

Client:

Street Address:

City: State: Zip:

Attn: Fax:

P.O.#:

Result Request **Surcharge: ☒ STD (10 Days) ☐ 5 Day** ☐ 4 Day** ☐ 3 Day** ☐ 2 Day** ☐ 1 Day**

	Relinquished By	Date	Time	Received By	Date	Time
1.		8/16/24	2025		8/20/24	0950
2.						
3.						

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 24-13337

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☐ None ☐ Box ☒
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☒
W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: / Container: Summa Thermometer ID: /

Temperature: (A) Room °C / (C) Temp °C

Date/Time 8/20/24

Analyst Init UBI0950

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 1.4L G10	A	A	A	A	A	A	A	A	A	

Comments:

Sample Numbering Completed By: SMH Date/Time: 8-20-24 1214

A = Actual / C = Corrected

Rev 23 05/20/22

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Date of Report: 08/26/2024

Tyler Shulz

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Client Project:	SAI-413
Pace Project:	NWMS
Pace Work Order:	2413337
Invoice ID:	B502914

Enclosed are the results of analyses for samples received by the laboratory on 8/20/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Cari Bernotas
Client Services Rep.

Stuart Buttram
Operations Manager

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

Table of Contents

Pace Analytical®
ENVIRONMENTAL SCIENCES

Chain of Custody and Cooler Receipt Form for 2413337 Page 1 of 2

Air Chain of C

2413337

Pace ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

Report To:
Client: Hart + Hickman, P.C.
Attn: Tyler Schultz
Street Address: 2923 S. Tryon St, Suite 100
City, State, Zip: Charlotte, NC 28203
Phone: 704-586-0007 Fax: -
Email: TSchultz@HartHickman.com
Work Order #: 24-13337

Project #: SAI-413
Project Name: NWMS
Sampler(s): (Print) Tyler Schultz

Analysis Requested

Comments:

DATA PACKAGE: ☐ Yes ☐ No (If "Yes", Select one) ☐ III ☐ IV
UNITS (select one): ☐ ppbv ☒ ug/m3

Sample #	Sample ID	Field ID / Point Of Collection	Date Sampled	Time Sampled	Air Type: Soil Vapor (SV) Ambient (A)	Initial Pressure ("Hg)	Sampling Equipment: Canister ID #	Sampling Equipment: Flow Controller ID #	Start Sampling Information: Time	Start Sampling Information: Canister Pressure ("Hg)	Stop Sampling Information: Time	Stop Sampling Information: Canister Pressure ("Hg)	Lab Received Pressure (psia)	Notes
-1	SSV-1	Showroom	8/16/24	10 min	SV	-29	11418	10411	1619	-29	1629	-5		
-2	SSV-2	Service Bay				-28	28574	12750	1632	-28	1638			
-3	SSV-3	Service Bay				-29	23370	12888	1644	-29	1651			
-4	SSV-4	Business Center Waste Storage				-29	10007	1195	1700	-29	1708			
-5	SSV-5	South Service Bay				-29	10254	11770	1714	-29	1728			
-6	SSV-6	South Service Bay				-28	1939	10610	1735	-28	1743			
-7	SSV-7	Basement				-28	5156	12057	1750	-28	1800			
-8	SSV-8	Outbuilding Service Bay				-29	1480	12466	1813	-29	1820			
-9	SSV-Dup-1	Duplicate				-29	15126	—	—	-29	—			

CHK BY
DISTRIBUTION
SUB OUT

Billing: ☒ Same as above

Client:
Street Address:
City: State: Zip:
Attn: Fax:
P.O.#:

Result Request **Surcharge: ☒ STD (10 Days) ☐ 5 Day** ☐ 4 Day** ☐ 3 Day** ☐ 2 Day** ☐ 1 Day**

1. Relinquished By	Date 8/16/24	Time 2025	1. Received By	Date 8/20/24 Time 0950
2. Relinquished By	Date	Time	2. Received By	Date Time
3. Relinquished By	Date	Time	3. Received By	Date Time

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

Chain of Custody and Cooler Receipt Form for 2413337 Page 2 of 2

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 1

Submission #: 24-13337

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☐ None ☐ Box ☒
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☒
W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 1 Container: Summa Thermometer ID: 1 Date/Time 8/20/24

Temperature: (A) Room °C / (C) TEMP °C Analyst Init UB10450

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL - 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 1.4L G10	A	A	A	A	A	A	A	A	A	

Comments:
Sample Numbering Completed By: SMH Date/Time: 8-20-24 1114
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMRS Rev 23]

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2413337-01	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 16:19
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-1	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413337-02	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 16:32
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-2	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413337-03	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 16:44
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-3	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413337-04	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 17:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-4	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413337-05	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 17:14
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-5	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413337-06	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 17:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-6	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413337-07	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 17:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-7	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2413337-08	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 18:13
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-8	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air
2413337-09	**COC Number:**	---	**Receive Date:**	08/20/2024 09:50
	Project Number:	---	**Sampling Date:**	08/16/2024 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SSV-DUP-1	**Lab Matrix:**	Air
	Sampled By:	Tyler Schulz	**Sample Type:**	Vapor or Air

Pace Analytical
ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-01 | **Client Sample Name:** SSV-1, 8/16/2024 4:19:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Acetone	**2.3**	**ug/m3**	**10**	**0.86**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Acrylonitrile	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	20	0.52	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	20	1.7	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	4.0	0.94	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	4.0	0.44	EPA-TO-15	ND	A01	1
Carbon disulfide	**1.7**	**ug/m3**	**4.0**	**0.38**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Carbon tetrachloride	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	4.0	0.76	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	10	0.86	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**6.0**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1-Dichloroethane	ND	ug/m3	10	0.46	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	10	1.8	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	10	4.0	EPA-TO-15	ND	A01	1

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ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-01 | **Client Sample Name:** SSV-1, 8/16/2024 4:19:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethanol	**100**	**ug/m3**	**4.0**	**0.84**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	4.0	0.68	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	20	3.0	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	10	0.40	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	10	0.58	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**0.98**	**ug/m3**	**4.0**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methylene chloride	ND	ug/m3	20	0.80	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	4.0	0.50	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	10	0.48	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	10	0.94	EPA-TO-15	ND	A01	1
Tetrachloroethene	**9.8**	**ug/m3**	**4.0**	**1.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Tetrahydrofuran	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	20	1.6	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	**180**	**ug/m3**	**10**	**0.78**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1,2-Trichloroethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**2.7**	**ug/m3**	**10**	**0.94**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	4.0	0.78	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	20	1.8	EPA-TO-15	ND	A01	1

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-01 | **Client Sample Name:** SSV-1, 8/16/2024 4:19:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	95.7	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/22/24 23:43	BEP	MS-A2	2	B195602	EPA TO-15

DCN = Data Continuation Number

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Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-02 | **Client Sample Name:** SSV-2, 8/16/2024 4:32:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Acetone	**3.6**	**ug/m3**	**10**	**0.86**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Acrylonitrile	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	20	0.52	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	20	1.7	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	4.0	0.94	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	4.0	0.44	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Carbon tetrachloride	**2.3**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Chlorobenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Chloroform	**1.2**	**ug/m3**	**10**	**1.1**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Chloromethane	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	4.0	0.76	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	10	0.86	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**3.5**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1-Dichloroethane	ND	ug/m3	10	0.46	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	**2.2**	**ug/m3**	**10**	**0.62**	**EPA-TO-15**	**ND**	**J,A01**	**1**
cis-1,2-Dichloroethene	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	10	1.8	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	10	4.0	EPA-TO-15	ND	A01	1

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-02 | **Client Sample Name:** SSV-2, 8/16/2024 4:32:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethanol	**89**	**ug/m3**	**4.0**	**0.84**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethylbenzene	**1.0**	**ug/m3**	**10**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1-Ethyl-4-methylbenzene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	4.0	0.68	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	20	3.0	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	10	0.40	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	10	0.58	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**1.1**	**ug/m3**	**4.0**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methylene chloride	ND	ug/m3	20	0.80	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	4.0	0.50	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	10	0.48	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	10	0.94	EPA-TO-15	ND	A01	1
Tetrachloroethene	**430**	**ug/m3**	**4.0**	**1.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Tetrahydrofuran	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Toluene	**1.6**	**ug/m3**	**4.0**	**0.54**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	20	1.6	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	**43**	**ug/m3**	**10**	**0.78**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1,2-Trichloroethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
Trichloroethene	**13**	**ug/m3**	**4.0**	**1.1**	**EPA-TO-15**	**ND**	**A01**	**1**
Trichlorofluoromethane	**5.1**	**ug/m3**	**10**	**0.94**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	4.0	0.78	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**2.8**	**ug/m3**	**10**	**1.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
Total Xylenes	**2.8**	**ug/m3**	**20**	**1.8**	**EPA-TO-15**	**ND**	**J,A01**	**1**

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-02 | **Client Sample Name:** SSV-2, 8/16/2024 4:32:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	99.3	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/23/24 00:28	BEP	MS-A2	2	B195602	EPA TO-15

DCN = Data Continuation Number

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-03 | **Client Sample Name:** SSV-3, 8/16/2024 4:44:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Acetone	**2.9**	**ug/m3**	**10**	**0.86**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Acrylonitrile	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	20	0.52	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	20	1.7	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	4.0	0.94	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	4.0	0.44	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	4.0	0.76	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	10	0.86	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**16**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1-Dichloroethane	ND	ug/m3	10	0.46	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	10	1.8	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	10	4.0	EPA-TO-15	ND	A01	1

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2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-03 | **Client Sample Name:** SSV-3, 8/16/2024 4:44:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethanol	**92**	**ug/m3**	**4.0**	**0.84**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethylbenzene	**1.4**	**ug/m3**	**10**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1-Ethyl-4-methylbenzene	**2.7**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
n-Heptane	ND	ug/m3	4.0	0.68	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	20	3.0	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	10	0.40	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	10	0.58	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**0.96**	**ug/m3**	**4.0**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methylene chloride	ND	ug/m3	20	0.80	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	4.0	0.50	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	10	0.48	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	10	0.94	EPA-TO-15	ND	A01	1
Tetrachloroethene	**170**	**ug/m3**	**4.0**	**1.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Tetrahydrofuran	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Toluene	**2.3**	**ug/m3**	**4.0**	**0.54**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	20	1.6	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	**96**	**ug/m3**	**10**	**0.78**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1,2-Trichloroethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**6.7**	**ug/m3**	**10**	**0.94**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	**5.3**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,3,5-Trimethylbenzene	**1.5**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Vinyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	4.0	0.78	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**5.8**	**ug/m3**	**10**	**1.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	**1.4**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Total Xylenes	**7.3**	**ug/m3**	**20**	**1.8**	**EPA-TO-15**	**ND**	**J,A01**	**1**

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-03 | **Client Sample Name:** SSV-3, 8/16/2024 4:44:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	97.3	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/23/24 01:13	BEP	MS-A2	2	B195602	EPA TO-15

DCN = Data Continuation Number

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-05 | **Client Sample Name:** SSV-5, 8/16/2024 5:14:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Acetone	**4.5**	**ug/m3**	**10**	**0.86**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Acrylonitrile	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	20	0.52	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	20	1.7	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	4.0	0.94	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	4.0	0.44	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	4.0	0.76	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	10	0.86	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**3.1**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1-Dichloroethane	ND	ug/m3	10	0.46	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	10	1.8	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	10	4.0	EPA-TO-15	ND	A01	1

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-05 | **Client Sample Name:** SSV-5, 8/16/2024 5:14:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethanol	**180**	**ug/m3**	**4.0**	**0.84**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	**1.7**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
n-Heptane	ND	ug/m3	4.0	0.68	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	20	3.0	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	10	0.40	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	10	0.58	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**1.9**	**ug/m3**	**4.0**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methylene chloride	ND	ug/m3	20	0.80	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	4.0	0.50	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	10	0.48	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	10	0.94	EPA-TO-15	ND	A01	1
Tetrachloroethene	**560**	**ug/m3**	**4.0**	**1.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Tetrahydrofuran	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Toluene	**2.5**	**ug/m3**	**4.0**	**0.54**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	20	1.6	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	**10**	**ug/m3**	**10**	**0.78**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1,2-Trichloroethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**6.9**	**ug/m3**	**10**	**0.94**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	4.0	0.78	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**3.3**	**ug/m3**	**10**	**1.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	**1.0**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Total Xylenes	**4.3**	**ug/m3**	**20**	**1.8**	**EPA-TO-15**	**ND**	**J,A01**	**1**

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-05 | **Client Sample Name:** SSV-5, 8/16/2024 5:14:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	96.9	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/23/24 01:57	BEP	MS-A2	2	B195602	EPA TO-15

DCN = Data Continuation Number

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-06 | **Client Sample Name:** SSV-6, 8/16/2024 5:35:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	20	5.3	EPA-TO-15	ND	A01	1
Acetone	**6.9**	**ug/m3**	**50**	**4.3**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Acrylonitrile	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	20	2.8	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	20	2.1	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	100	2.6	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	100	8.6	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	20	4.7	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	20	2.2	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	20	1.9	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	20	5.3	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	50	5.4	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	20	2.1	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	20	3.8	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	50	4.3	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	50	5.8	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	50	3.1	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**9.5**	**ug/m3**	**50**	**4.5**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1-Dichloroethane	ND	ug/m3	50	2.3	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	50	2.6	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	50	3.1	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	20	3.2	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	50	3.2	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	50	3.0	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	50	9.1	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	50	20	EPA-TO-15	ND	A01	1

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-06 | **Client Sample Name:** SSV-6, 8/16/2024 5:35:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Ethanol	**190**	**ug/m3**	**20**	**4.2**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	50	3.2	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	50	3.0	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	20	3.4	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	100	15	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	50	2.0	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	50	2.9	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	20	3.2	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	100	4.0	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	20	1.9	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	50	2.6	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	20	2.8	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	20	2.5	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	50	2.4	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	50	4.7	EPA-TO-15	ND	A01	1
Tetrachloroethene	**1200**	**ug/m3**	**20**	**5.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Tetrahydrofuran	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	100	8.2	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	**130**	**ug/m3**	**50**	**3.9**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1,2-Trichloroethane	ND	ug/m3	50	6.1	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	20	5.4	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**7.2**	**ug/m3**	**50**	**4.7**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	50	5.5	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	20	3.9	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	50	6.1	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	50	3.0	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	100	9.1	EPA-TO-15	ND	A01	1

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-06 | **Client Sample Name:** SSV-6, 8/16/2024 5:35:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	97.1	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/23/24 02:40	BEP	MS-A2	10	B195602	EPA TO-15

DCN = Data Continuation Number

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-07 | **Client Sample Name:** SSV-7, 8/16/2024 5:50:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Acetone	**2.6**	**ug/m3**	**10**	**0.86**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Acrylonitrile	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	20	0.52	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	20	1.7	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	4.0	0.94	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	4.0	0.44	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	4.0	0.76	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	10	0.86	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**53**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1-Dichloroethane	ND	ug/m3	10	0.46	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	10	1.8	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	10	4.0	EPA-TO-15	ND	A01	1

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ENVIRONMENTAL SCIENCES

Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-07 | **Client Sample Name:** SSV-7, 8/16/2024 5:50:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethanol	**74**	**ug/m3**	**4.0**	**0.84**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethylbenzene	**5.6**	**ug/m3**	**10**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1-Ethyl-4-methylbenzene	**3.1**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
n-Heptane	ND	ug/m3	4.0	0.68	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	20	3.0	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	10	0.40	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	10	0.58	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	20	0.80	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	4.0	0.50	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	10	0.48	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	10	0.94	EPA-TO-15	ND	A01	1
Tetrachloroethene	**21**	**ug/m3**	**4.0**	**1.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Tetrahydrofuran	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Toluene	**2.2**	**ug/m3**	**4.0**	**0.54**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	20	1.6	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	**1.4**	**ug/m3**	**10**	**0.78**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloroethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**2.0**	**ug/m3**	**10**	**0.94**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	**6.0**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,3,5-Trimethylbenzene	**1.2**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Vinyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	4.0	0.78	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**6.3**	**ug/m3**	**10**	**1.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
Total Xylenes	**6.3**	**ug/m3**	**20**	**1.8**	**EPA-TO-15**	**ND**	**J,A01**	**1**

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-07 | **Client Sample Name:** SSV-7, 8/16/2024 5:50:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	96.5	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/23/24 03:25	BEP	MS-A2	2	B195602	EPA TO-15

DCN = Data Continuation Number

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-08 | **Client Sample Name:** SSV-8, 8/16/2024 6:13:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Acetone	**5.0**	**ug/m3**	**10**	**0.86**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Acrylonitrile	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Benzene	**0.85**	**ug/m3**	**4.0**	**0.42**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Benzyl chloride	ND	ug/m3	20	0.52	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	20	1.7	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	4.0	0.94	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	4.0	0.44	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
Chloromethane	**0.73**	**ug/m3**	**4.0**	**0.42**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Cyclohexane	ND	ug/m3	4.0	0.76	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	10	0.86	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	**2.7**	**ug/m3**	**10**	**1.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,2-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**2.5**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1-Dichloroethane	ND	ug/m3	10	0.46	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	10	1.8	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	10	4.0	EPA-TO-15	ND	A01	1

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-08 | **Client Sample Name:** SSV-8, 8/16/2024 6:13:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethanol	**120**	**ug/m3**	**4.0**	**0.84**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethylbenzene	**2.5**	**ug/m3**	**10**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1-Ethyl-4-methylbenzene	**2.6**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
n-Heptane	ND	ug/m3	4.0	0.68	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	20	3.0	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	10	0.40	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	10	0.58	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**1.2**	**ug/m3**	**4.0**	**0.64**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methylene chloride	ND	ug/m3	20	0.80	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	4.0	0.50	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	10	0.48	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	10	0.94	EPA-TO-15	ND	A01	1
Tetrachloroethene	**8.4**	**ug/m3**	**4.0**	**1.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Tetrahydrofuran	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Toluene	**6.8**	**ug/m3**	**4.0**	**0.54**	**EPA-TO-15**	**ND**	**A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	20	1.6	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	**17**	**ug/m3**	**10**	**0.78**	**EPA-TO-15**	**ND**	**A01**	**1**
1,1,2-Trichloroethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**2.8**	**ug/m3**	**10**	**0.94**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	**3.7**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,3,5-Trimethylbenzene	**1.2**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Vinyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	4.0	0.78	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**9.2**	**ug/m3**	**10**	**1.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	**3.2**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Total Xylenes	**12**	**ug/m3**	**20**	**1.8**	**EPA-TO-15**	**ND**	**J,A01**	**1**

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-08 | **Client Sample Name:** SSV-8, 8/16/2024 6:13:00PM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	96.5	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/23/24 04:10	BEP	MS-A2	2	B195602	EPA TO-15

DCN = Data Continuation Number

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Hart & Hickman, PC
2923 S Tryon Street, Suite 100
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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-09 | **Client Sample Name:** SSV-DUP-1, 8/16/2024 12:00:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chlorodifluoromethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Acetone	**29**	**ug/m3**	**10**	**0.86**	**EPA-TO-15**	**ND**	**A01**	**1**
Acrylonitrile	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	4.0	0.42	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	20	0.52	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	20	1.7	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	4.0	0.94	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	4.0	0.44	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	4.0	0.38	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	10	0.90	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
Chloromethane	**1.1**	**ug/m3**	**4.0**	**0.42**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Cyclohexane	ND	ug/m3	4.0	0.76	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	10	0.86	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	10	1.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**2.4**	**ug/m3**	**10**	**0.90**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1-Dichloroethane	ND	ug/m3	10	0.46	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	10	0.52	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	10	0.62	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	4.0	0.64	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	10	0.60	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	10	0.80	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	10	1.8	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	10	4.0	EPA-TO-15	ND	A01	1

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Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-09 | **Client Sample Name:** SSV-DUP-1, 8/16/2024 12:00:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1,4-Dioxane	**22**	**ug/m3**	**4.0**	**0.66**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethanol	**230**	**ug/m3**	**4.0**	**0.84**	**EPA-TO-15**	**ND**	**A01**	**1**
Ethyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	10	0.64	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	**2.0**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
n-Heptane	ND	ug/m3	4.0	0.68	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	20	3.0	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	10	0.40	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	10	0.58	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**10**	**ug/m3**	**4.0**	**0.64**	**EPA-TO-15**	**ND**	**A01**	**1**
Methylene chloride	ND	ug/m3	20	0.80	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	**4.2**	**ug/m3**	**4.0**	**0.38**	**EPA-TO-15**	**ND**	**A01**	**1**
Methyl isobutyl ketone	**2.0**	**ug/m3**	**10**	**0.52**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methyl t-butyl ether	ND	ug/m3	4.0	0.56	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	4.0	0.50	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	10	0.48	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	10	0.94	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	4.0	1.0	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	4.0	0.54	EPA-TO-15	ND	A01	1
Toluene	**3.4**	**ug/m3**	**4.0**	**0.54**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	20	1.6	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	10	0.78	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	10	1.2	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	4.0	1.1	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**1.6**	**ug/m3**	**10**	**0.94**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	10	1.1	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	**3.8**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,3,5-Trimethylbenzene	**1.3**	**ug/m3**	**10**	**0.80**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Vinyl acetate	ND	ug/m3	4.0	0.66	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	4.0	0.78	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**2.7**	**ug/m3**	**10**	**1.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	**1.1**	**ug/m3**	**10**	**0.60**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Total Xylenes	**3.8**	**ug/m3**	**20**	**1.8**	**EPA-TO-15**	**ND**	**J,A01**	**1**

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2923 S Tryon Street, Suite 100
Charlotte, NC 28203

Reported: 08/26/2024 16:12
Project: NWMS
Project Number: SAI-413
Project Manager: Tyler Shulz

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2413337-09 | **Client Sample Name:** SSV-DUP-1, 8/16/2024 12:00:00AM, Tyler Schulz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
4-Bromofluorobenzene (Surrogate)	95.5	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-TO-15	08/22/24 09:02	08/23/24 04:55	BEP	MS-A2	2	B195602	EPA TO-15

DCN = Data Continuation Number

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Project Number: SAI-413
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Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B195602							
Chlorodifluoromethane	B195602-BLK1	ND	ug/m3	2.0	0.53		1
Acetone	B195602-BLK1	ND	ug/m3	5.0	0.43		1
Acrylonitrile	B195602-BLK1	ND	ug/m3	2.0	0.27		1
Allyl chloride	B195602-BLK1	ND	ug/m3	2.0	0.28		1
Benzene	B195602-BLK1	ND	ug/m3	2.0	0.21		1
Benzyl chloride	B195602-BLK1	ND	ug/m3	10	0.26		1
Bromodichloromethane	B195602-BLK1	ND	ug/m3	5.0	0.45		1
Bromoform	B195602-BLK1	ND	ug/m3	10	0.86		1
Bromomethane	B195602-BLK1	ND	ug/m3	2.0	0.47		1
1,3-Butadiene	B195602-BLK1	ND	ug/m3	2.0	0.22		1
Carbon disulfide	B195602-BLK1	ND	ug/m3	2.0	0.19		1
Carbon tetrachloride	B195602-BLK1	ND	ug/m3	5.0	0.45		1
Chlorobenzene	B195602-BLK1	ND	ug/m3	5.0	0.40		1
Chloroethane	B195602-BLK1	ND	ug/m3	2.0	0.53		1
Chloroform	B195602-BLK1	ND	ug/m3	5.0	0.54		1
Chloromethane	B195602-BLK1	ND	ug/m3	2.0	0.21		1
Cyclohexane	B195602-BLK1	ND	ug/m3	2.0	0.38		1
Dibromochloromethane	B195602-BLK1	ND	ug/m3	5.0	0.43		1
1,2-Dibromoethane	B195602-BLK1	ND	ug/m3	5.0	0.58		1
1,2-Dichlorobenzene	B195602-BLK1	ND	ug/m3	5.0	0.50		1
1,3-Dichlorobenzene	B195602-BLK1	ND	ug/m3	5.0	0.31		1
1,4-Dichlorobenzene	B195602-BLK1	ND	ug/m3	5.0	0.50		1
Dichlorodifluoromethane	B195602-BLK1	ND	ug/m3	5.0	0.45		1
1,1-Dichloroethane	B195602-BLK1	ND	ug/m3	5.0	0.23		1
1,2-Dichloroethane	B195602-BLK1	ND	ug/m3	5.0	0.26		1
1,1-Dichloroethene	B195602-BLK1	ND	ug/m3	5.0	0.31		1
cis-1,2-Dichloroethene	B195602-BLK1	ND	ug/m3	2.0	0.32		1
trans-1,2-Dichloroethene	B195602-BLK1	ND	ug/m3	2.0	0.27		1
1,2-Dichloropropane	B195602-BLK1	ND	ug/m3	5.0	0.32		1
cis-1,3-Dichloropropene	B195602-BLK1	ND	ug/m3	5.0	0.30		1
trans-1,3-Dichloropropene	B195602-BLK1	ND	ug/m3	5.0	0.40		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	B195602-BLK1	ND	ug/m3	5.0	0.91		1
1,1-Difluoroethane	B195602-BLK1	ND	ug/m3	5.0	2.0		1
1,4-Dioxane	B195602-BLK1	ND	ug/m3	2.0	0.33		1

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Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B195602							
Ethanol	B195602-BLK1	ND	ug/m3	2.0	0.42		1
Ethyl acetate	B195602-BLK1	ND	ug/m3	2.0	0.33		1
Ethylbenzene	B195602-BLK1	ND	ug/m3	5.0	0.32		1
1-Ethyl-4-methylbenzene	B195602-BLK1	ND	ug/m3	5.0	0.30		1
n-Heptane	B195602-BLK1	ND	ug/m3	2.0	0.34		1
Hexachlorobutadiene	B195602-BLK1	ND	ug/m3	10	1.5		1
Hexane	B195602-BLK1	ND	ug/m3	5.0	0.20		1
2-Hexanone	B195602-BLK1	ND	ug/m3	5.0	0.29		1
Isopropyl alcohol	B195602-BLK1	ND	ug/m3	2.0	0.32		1
Methylene chloride	B195602-BLK1	ND	ug/m3	10	0.40		1
Methyl ethyl ketone	B195602-BLK1	ND	ug/m3	2.0	0.19		1
Methyl isobutyl ketone	B195602-BLK1	ND	ug/m3	5.0	0.26		1
Methyl t-butyl ether	B195602-BLK1	ND	ug/m3	2.0	0.28		1
Propylene	B195602-BLK1	ND	ug/m3	2.0	0.25		1
Styrene	B195602-BLK1	ND	ug/m3	5.0	0.24		1
1,1,2,2-Tetrachloroethane	B195602-BLK1	ND	ug/m3	5.0	0.47		1
Tetrachloroethene	B195602-BLK1	ND	ug/m3	2.0	0.50		1
Tetrahydrofuran	B195602-BLK1	ND	ug/m3	2.0	0.27		1
Toluene	B195602-BLK1	ND	ug/m3	2.0	0.27		1
1,2,4-Trichlorobenzene	B195602-BLK1	ND	ug/m3	10	0.82		1
1,1,1-Trichloroethane	B195602-BLK1	ND	ug/m3	5.0	0.39		1
1,1,2-Trichloroethane	B195602-BLK1	ND	ug/m3	5.0	0.61		1
Trichloroethene	B195602-BLK1	ND	ug/m3	2.0	0.54		1
Trichlorofluoromethane	B195602-BLK1	ND	ug/m3	5.0	0.47		1
1,1,2-Trichloro-1,2,2-trifluoroethane	B195602-BLK1	ND	ug/m3	5.0	0.55		1
1,2,4-Trimethylbenzene	B195602-BLK1	ND	ug/m3	5.0	0.40		1
1,3,5-Trimethylbenzene	B195602-BLK1	ND	ug/m3	5.0	0.40		1
Vinyl acetate	B195602-BLK1	ND	ug/m3	2.0	0.33		1
Vinyl chloride	B195602-BLK1	ND	ug/m3	2.0	0.39		1
p- & m-Xylenes	B195602-BLK1	ND	ug/m3	5.0	0.61		1
o-Xylene	B195602-BLK1	ND	ug/m3	5.0	0.30		1
Total Xylenes	B195602-BLK1	ND	ug/m3	10	0.91		1
4-Bromofluorobenzene (Surrogate)	**B195602-BLK1**	**94.2**	%	**70 - 130 (LCL - UCL)**			1

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Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B195602-BLK1	PB	EPA-TO-15	08/22/24	08/22/24 19:55	BEP	MS-A2	1

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Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B195602											
Benzene	B195602-BS1	LCS	16.033	15.974	ug/m3	100		70 - 130			1
	B195602-BSD1	LCSD	16.051	15.974	ug/m3	100	0.1	70 - 130	25		2
Chloroform	B195602-BS1	LCS	24.191	24.413	ug/m3	99.1		70 - 130			1
	B195602-BSD1	LCSD	24.422	24.413	ug/m3	100	1.0	70 - 130	25		2
Ethylbenzene	B195602-BS1	LCS	22.107	21.711	ug/m3	102		70 - 130			1
	B195602-BSD1	LCSD	21.874	21.711	ug/m3	101	1.1	70 - 130	25		2
Tetrachloroethene	B195602-BS1	LCS	35.205	33.913	ug/m3	104		70 - 130			1
	B195602-BSD1	LCSD	34.557	33.913	ug/m3	102	1.9	70 - 130	25		2
Toluene	B195602-BS1	LCS	18.453	18.842	ug/m3	97.9		70 - 130			1
	B195602-BSD1	LCSD	18.130	18.842	ug/m3	96.2	1.8	70 - 130	25		2
Trichloroethene	B195602-BS1	LCS	27.821	26.869	ug/m3	104		70 - 130			1
	B195602-BSD1	LCSD	27.445	26.869	ug/m3	102	1.4	70 - 130	25		2
Trichlorofluoromethane	B195602-BS1	LCS	28.186	28.092	ug/m3	100		70 - 130			1
	B195602-BSD1	LCSD	28.405	28.092	ug/m3	101	0.8	70 - 130	25		2
1,1,2-Trichloro-1,2,2-trifluoroethane	B195602-BS1	LCS	38.952	38.318	ug/m3	102		70 - 130			1
	B195602-BSD1	LCSD	38.996	38.318	ug/m3	102	0.1	70 - 130	25		2
p- & m-Xylenes	B195602-BS1	LCS	44.644	43.421	ug/m3	103		70 - 130			1
	B195602-BSD1	LCSD	44.326	43.421	ug/m3	102	0.7	70 - 130	25		2
o-Xylene	B195602-BS1	LCS	22.336	21.711	ug/m3	103		70 - 130			1
	B195602-BSD1	LCSD	22.153	21.711	ug/m3	102	0.8	70 - 130	25		2
Total Xylenes	B195602-BS1	LCS	66.979	65.132	ug/m3	103		70 - 130			1
	B195602-BSD1	LCSD	66.479	65.132	ug/m3	102	0.7	70 - 130	25		2
4-Bromofluorobenzene (Surrogate)	B195602-BS1	LCS	71.2	71.6	ug/m3	99.5		70 - 130			1
	B195602-BSD1	LCSD	70.9	71.6	ug/m3	99.1	0.4	70 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B195602-BS1	LCS	EPA-TO-15	08/22/24	08/22/24 18:24	BEP	MS-A2	1
2	B195602-BSD1	LCSD	EPA-TO-15	08/22/24	08/22/24 19:06	BEP	MS-A2	1

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.

Appendix E
EPA VISL Calculator Results

Commercial Air Inputs

Variable	Commercial Air Default Value	Site-Specific Value
AF_{gw} (Attenuation Factor Groundwater) unitless	0.001	0.001
AF_{ss} (Attenuation Factor Sub-Slab) unitless	0.03	0.03
AT_{com} (averaging time - composite worker)	365	365
ED_{com} (exposure duration - composite worker) yr	25	25
EF_{com} (exposure frequency - composite worker) day/yr	250	250
ET_{com} (exposure time - composite worker) hr	8	8
THQ (target hazard quotient) unitless	0.1	0.1
LT (lifetime) yr	70	70
TR (target risk) unitless	1.0E-06	1.0E-06

Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? ($C_{vp} > C_{i,a}$,Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? ($C_{hc} > C_{i,a}$,Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN($C_{ia,c}$,$C_{ia,nc}$) ($\mu g/m^3$)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) C_{sg},Target ($\mu g/m^3$)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) C_{gw},Target ($\mu g/L$)
Chlorodifluoromethane	75-45-6	Yes	Yes	Yes	Yes	2.19E+04	NC	7.30E+05	1.32E+04
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	3.94E+01	NC	1.31E+03	1.09E+02
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	3.12E+00
Difluoroethane, 1,1-	75-37-6	Yes	Yes	Yes	Yes	1.75E+04	NC	5.84E+05	2.11E+04
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	4.91E+00	CA	1.64E+02	1.52E+01
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	1.75E+02	NC	5.84E+03	2.14E+00
Isopropanol	67-63-0	Yes	Yes	Yes	Yes	8.76E+01	NC	2.92E+03	2.65E+05
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	9.41E+05
Methylene Chloride	75-09-2	Yes	Yes	Yes	Yes	2.63E+02	NC	8.76E+03	1.98E+03
Styrene	100-42-5	Yes	Yes	Yes	Yes	4.38E+02	NC	1.46E+04	3.90E+03
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	1.75E+01	NC	5.84E+02	2.42E+01
Toluene	108-88-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	8.07E+03
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	1.04E+02
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	7.33E+01
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	1.62E+02

Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Is Target Groundwater Concentration < MCL? (C_{gw} < MCL?)	Pure Phase Vapor Concentration C_{vp} \ (25 °C)\ (µg/m³)	Maximum Groundwater Vapor Concentration C_{hc} \ (µg/m³)	Temperature for Maximum Groundwater Vapor Concentration (°C)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m³)$^{-1}$	IUR Ref	RfC (mg/m³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 $C_{ia,c}$ (µg/m³)	Noncarcinogenic VISL THQ=0.1 $C_{ia,nc}$ (µg/m³)
--	3.37E+10	4.60E+09	25	-		-		5.00E+01	U	No	-	2.19E+04
--	1.17E+10	1.92E+09	25	8.10	U	-		9.00E-02	U	No	-	3.94E+01
--	3.15E+10	3.93E+09	25	-		-		1.00E-01	U	No	-	4.38E+01
--	1.62E+10	2.66E+09	25	3.70	U	-		4.00E+01	U	No	-	1.75E+04
Yes (700)	5.48E+07	5.44E+07	25	0.80	U	2.50E-06	U	1.00E+00	U	No	4.91E+00	4.38E+02
--	2.48E+08	2.78E+08	25	1.05	U	-		4.00E-01	U	No	-	1.75E+02
--	1.47E+08	3.31E+08	25	2.00	U	-		2.00E-01	U	No	-	8.76E+01
--	3.51E+08	5.19E+08	25	1.40	U	-		5.00E+00	U	No	-	2.19E+03
No (5)	1.99E+09	1.73E+09	25	13.00	U	1.00E-08	U	6.00E-01	U	Mut	1.23E+03	2.63E+02
No (100)	3.58E+07	3.49E+07	25	0.90	U	-		1.00E+00	U	No	-	4.38E+02
No (5)	1.65E+08	1.49E+08	25	-		2.60E-07	U	4.00E-02	U	No	4.72E+01	1.75E+01
No (1000)	1.41E+08	1.43E+08	25	1.10	U	-		5.00E+00	U	No	-	2.19E+03
--	1.36E+07	1.44E+07	25	0.90	U	-		6.00E-02	U	No	-	2.63E+01
--	1.60E+07	1.73E+07	25	1.00	U	-		6.00E-02	U	No	-	2.63E+01
Yes (10000)	4.56E+07	2.87E+07	25	-		-		1.00E-01	U	No	-	4.38E+01

Commercial Vapor Intrusion Risk

Chemical	CAS Number	Site Indoor Air Concentration $C_{i,a}$ \ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (℃)\ for Groundwater Vapor Concentration	Mutagen?
Chlorodifluoromethane	75-45-6	8.40E-01	6.85E-02	-	1.92E-04	3.84E-06	-		5.00E+01	U	25	No
Chloromethane	74-87-3	1.10E+00	8.97E-02	-	2.51E-04	2.79E-03	-		9.00E-02	U	25	No
Dichlorodifluoromethane	75-71-8	2.20E+00	1.79E-01	-	5.02E-04	5.02E-03	-		1.00E-01	U	25	No
Difluoroethane, 1,1-	75-37-6	3.80E+00	3.10E-01	-	8.68E-04	2.17E-05	-		4.00E+01	U	25	No
Ethylbenzene	100-41-4	2.70E+00	2.20E-01	5.50E-07	6.16E-04	6.16E-04	2.50E-06	U	1.00E+00	U	25	No
Heptane, N-	142-82-5	4.80E+00	3.91E-01	-	1.10E-03	2.74E-03	-		4.00E-01	U	25	No
Isopropanol	67-63-0	6.10E+00	4.97E-01	-	1.39E-03	6.96E-03	-		2.00E-01	U	25	No
Methyl Ethyl Ketone (2-Butanone)	78-93-3	9.10E-01	7.42E-02	-	2.08E-04	4.16E-05	-		5.00E+00	U	25	No
Methylene Chloride	75-09-2	1.30E+00	1.06E-01	1.06E-09	2.97E-04	4.95E-04	1.00E-08	U	6.00E-01	U	25	Mut
Styrene	100-42-5	5.10E-01	4.16E-02	-	1.16E-04	1.16E-04	-		1.00E+00	U	25	No
Tetrachloroethylene	127-18-4	8.70E-01	7.09E-02	1.84E-08	1.99E-04	4.97E-03	2.60E-07	U	4.00E-02	U	25	No
Toluene	108-88-3	6.80E+00	5.54E-01	-	1.55E-03	3.11E-04	-		5.00E+00	U	25	No
Trimethylbenzene, 1,2,4-	95-63-6	1.20E+01	9.78E-01	-	2.74E-03	4.57E-02	-		6.00E-02	U	25	No
Trimethylbenzene, 1,3,5-	108-67-8	3.50E+00	2.85E-01	-	7.99E-04	1.33E-02	-		6.00E-02	U	25	No
Xylenes	1330-20-7	1.80E+01	1.47E+00	-	4.11E-03	4.11E-02	-		1.00E-01	U	25	No
**Sum*		-	-	*5.70E-07*	-	*1.24E-01*	-		-		-	

Chemical Properties

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	MW	MW Ref	Vapor Pressure VP (mm Hg)	VP Ref	S (mg/L)	S Ref	MCL (ug/L)
Chlorodifluoromethane	75-45-6	Yes	Yes	86.47	U	7.25E+03	U	2.77E+03	U	-
Chloromethane	74-87-3	Yes	Yes	50.49	U	4.30E+03	U	5.32E+03	U	-
Dichlorodifluoromethane	75-71-8	Yes	Yes	120.91	U	4.85E+03	U	2.80E+02	U	-
Difluoroethane, 1,1-	75-37-6	Yes	Yes	66.05	U	4.55E+03	U	3.20E+03	U	-
Ethylbenzene	100-41-4	Yes	Yes	106.17	U	9.60E+00	U	1.69E+02	U	700
Heptane, N-	142-82-5	Yes	Yes	100.21	U	4.60E+01	U	3.40E+00	U	-
Isopropanol	67-63-0	Yes	Yes	60.10	U	4.54E+01	U	1.00E+06	U	-
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	72.11	U	9.06E+01	U	2.23E+05	U	-
Methylene Chloride	75-09-2	Yes	Yes	84.93	U	4.35E+02	U	1.30E+04	U	5
Styrene	100-42-5	Yes	Yes	104.15	U	6.40E+00	U	3.10E+02	U	100
Tetrachloroethylene	127-18-4	Yes	Yes	165.83	U	1.85E+01	U	2.06E+02	U	5
Toluene	108-88-3	Yes	Yes	92.14	U	2.84E+01	U	5.26E+02	U	1000
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	120.20	U	2.10E+00	U	5.70E+01	U	-
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	120.20	U	2.48E+00	U	4.82E+01	U	-
Xylenes	1330-20-7	Yes	Yes	106.17	U	7.99E+00	U	1.06E+02	U	10000

Chemical Properties

HLC (atm-m ^{3}/mole)	Henry's Law Constant (unitless)	H` and HLC Ref	Henry's Law Constant Used in Calcs (unitless)	Normal Boiling Point BP (K)	BP Ref	Critical Temperature T_c\ (K)	T_c\ Ref	Enthalpy of vaporization at the normal boiling point $\Delta H_{v,b}$\ (cal/mol)	$\Delta H_{v,b}$\ Ref	Lower Explosive Limit LEL (% by volume)	LEL Ref
4.06E-02	1.66E+00	U	1.66E+00	232.45	U	3.69E+02	U	4830.00	U	-	
8.82E-03	3.61E-01	U	3.61E-01	249.15	U	4.16E+02	U	5110.00	U	8.10	U
3.43E-01	1.40E+01	U	1.40E+01	243.35	U	3.85E+02	U	4800.00	U	-	
2.03E-02	8.30E-01	U	8.30E-01	248.45	U	3.86E+02	U	5150.00	U	3.70	U
7.88E-03	3.22E-01	U	3.22E-01	409.15	U	6.17E+02	U	8500.00	U	0.80	U
2.00E+00	8.18E+01	U	8.18E+01	371.65	U	5.40E+02	U	7590.00	U	1.05	U
8.10E-06	3.31E-04	U	3.31E-04	355.45	U	5.08E+02	U	9520.00	U	2.00	U
5.69E-05	2.33E-03	U	2.33E-03	352.65	U	5.37E+02	U	7480.00	U	1.40	U
3.25E-03	1.33E-01	U	1.33E-01	313.15	U	5.08E+02	U	6710.00	U	13.00	U
2.75E-03	1.12E-01	U	1.12E-01	418.15	U	6.35E+02	U	9250.00	U	0.90	U
1.77E-02	7.24E-01	U	7.24E-01	394.15	U	6.20E+02	U	8290.00	U	-	
6.64E-03	2.71E-01	U	2.71E-01	384.15	U	5.92E+02	U	7930.00	U	1.10	U
6.16E-03	2.52E-01	U	2.52E-01	442.15	U	6.49E+02	U	9370.00	U	0.90	U
8.77E-03	3.59E-01	U	3.59E-01	438.15	U	6.37E+02	U	9320.00	U	1.00	U
6.63E-03	2.71E-01	U	2.71E-01	411.15	U	6.20E+02	U	8520.00	U	-	

Commercial Air Inputs

Variable	Commercial Air Default Value	Site-Specific Value
AF_{gw} (Attenuation Factor Groundwater) unitless	0.001	0.001
AF_{ss} (Attenuation Factor Sub-Slab) unitless	0.03	0.03
AT_{com} (averaging time - composite worker)	365	365
ED_{com} (exposure duration - composite worker) yr	25	25
EF_{com} (exposure frequency - composite worker) day/yr	250	250
ET_{com} (exposure time - composite worker) hr	8	8
THQ (target hazard quotient) unitless	0.1	0.1
LT (lifetime) yr	70	70
TR (target risk) unitless	1.0E-06	1.0E-06

Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? ($C_{vp} > C_{i,a}$,Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? ($C_{hc} > C_{i,a}$,Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN($C_{ia,c}$,$C_{ia,nc}$) ($\mu g/m^3$)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) C_{sg},Target ($\mu g/m^3$)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) C_{gw},Target ($\mu g/L$)
Benzene	71-43-2	Yes	Yes	Yes	Yes	1.57E+00	CA	5.24E+01	6.93E+00
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	3.07E+02	NC	1.02E+04	5.21E+02
Chloroform	67-66-3	Yes	Yes	Yes	Yes	5.33E-01	CA	1.78E+01	3.55E+00
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	3.94E+01	NC	1.31E+03	1.09E+02
Dibromoethane, 1,2-	106-93-4	Yes	Yes	Yes	Yes	2.04E-02	CA	6.81E-01	7.69E-01
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	3.12E+00
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	Yes	Yes	8.76E+01	NC	2.92E+03	8.21E+01
Dioxane, 1,4-	123-91-1	Yes	Yes	Yes	Yes	2.45E+00	CA	8.18E+01	1.25E+04
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	4.91E+00	CA	1.64E+02	1.52E+01
Isopropanol	67-63-0	Yes	Yes	Yes	Yes	8.76E+01	NC	2.92E+03	2.65E+05
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	9.41E+05
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	Yes	Yes	1.31E+03	NC	4.38E+04	2.33E+05
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	1.75E+01	NC	5.84E+02	2.42E+01
Toluene	108-88-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	8.07E+03
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	3.11E+03
Trichloroethylene	79-01-6	Yes	Yes	Yes	Yes	8.76E-01	NC	2.92E+01	2.18E+00
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	1.04E+02
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	7.33E+01
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	1.62E+02

Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Is Target Groundwater Concentration < MCL? (C_{gw} < MCL?)	Pure Phase Vapor Concentration C_{vp} \ (25 °C)\ (µg/m³)	Maximum Groundwater Vapor Concentration C_{hc} \ (µg/m³)	Temperature for Maximum Groundwater Vapor Concentration (°C)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m³)$^{-1}$	IUR Ref	RfC (mg/m³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 $C_{ia,c}$ (µg/m³)	Noncarcinogenic VISL THQ=0.1 $C_{ia,nc}$ (µg/m³)
No (5)	3.98E+08	4.06E+08	25	1.20	U	7.80E-06	U	3.00E-02	U	No	1.57E+00	1.31E+01
--	1.47E+09	1.27E+09	25	1.30	U	-		7.00E-01	U	No	-	3.07E+02
Yes (80)	1.26E+09	1.19E+09	25	-		2.30E-05	U	1.95E-03	U	No	5.33E-01	8.54E-01
--	1.17E+10	1.92E+09	25	8.10	U	-		9.00E-02	U	No	-	3.94E+01
No (0)	1.13E+08	1.04E+08	25	-		6.00E-04	U	9.00E-03	U	No	2.04E-02	3.94E+00
--	3.15E+10	3.93E+09	25	-		-		1.00E-01	U	No	-	4.38E+01
No (7)	3.13E+09	2.58E+09	25	6.50	U	-		2.00E-01	U	No	-	8.76E+01
--	1.81E+08	1.96E+08	25	2.00	U	5.00E-06	U	3.00E-02	U	No	2.45E+00	1.31E+01
Yes (700)	5.48E+07	5.44E+07	25	0.80	U	2.50E-06	U	1.00E+00	U	No	4.91E+00	4.38E+02
--	1.47E+08	3.31E+08	25	2.00	U	-		2.00E-01	U	No	-	8.76E+01
--	3.51E+08	5.19E+08	25	1.40	U	-		5.00E+00	U	No	-	2.19E+03
--	1.07E+08	1.07E+08	25	1.20	U	-		3.00E+00	U	No	-	1.31E+03
No (5)	1.65E+08	1.49E+08	25	-		2.60E-07	U	4.00E-02	U	No	4.72E+01	1.75E+01
No (1000)	1.41E+08	1.43E+08	25	1.10	U	-		5.00E+00	U	No	-	2.19E+03
No (200)	8.90E+08	9.07E+08	25	8.00	U	-		5.00E+00	U	No	-	2.19E+03
Yes (5)	4.88E+08	5.15E+08	25	8.00	U	4.10E-06	U	2.00E-03	U	Mut	2.99E+00	8.76E-01
--	1.36E+07	1.44E+07	25	0.90	U	-		6.00E-02	U	No	-	2.63E+01
--	1.60E+07	1.73E+07	25	1.00	U	-		6.00E-02	U	No	-	2.63E+01
Yes (10000)	4.56E+07	2.87E+07	25	-		-		1.00E-01	U	No	-	4.38E+01

Commercial Vapor Intrusion Risk

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C_{sg} \ ($\mu g/m^3$)	Site Indoor Air Concentration $C_{i,a}$ \ ($\mu g/m^3$)	VI Carcinogenic Risk CDI ($\mu g/m^3$)
Benzene	71-43-2	0.85	2.55E-02	2.08E-03
Carbon Disulfide	75-15-0	2.3	6.90E-02	5.63E-03
Chloroform	67-66-3	1.2	3.60E-02	2.94E-03
Chloromethane	74-87-3	1.1	3.30E-02	2.69E-03
Dibromoethane, 1,2-	106-93-4	2.7	8.10E-02	6.60E-03
Dichlorodifluoromethane	75-71-8	53	1.59E+00	1.30E-01
Dichloroethylene, 1,1-	75-35-4	2.2	6.60E-02	5.38E-03
Dioxane, 1,4-	123-91-1	22	6.60E-01	5.38E-02
Ethylbenzene	100-41-4	5.6	1.68E-01	1.37E-02
Isopropanol	67-63-0	3.1	9.30E-02	7.58E-03
Methyl Ethyl Ketone (2-Butanone)	78-93-3	4.2	1.26E-01	1.03E-02
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	2	6.00E-02	4.89E-03
Tetrachloroethylene	127-18-4	1200	3.60E+01	2.94E+00
Toluene	108-88-3	6.8	2.04E-01	1.66E-02
Trichloroethane, 1,1,1-	71-55-6	180	5.40E+00	4.40E-01
Trichloroethylene	79-01-6	13	3.90E-01	3.18E-02
Trimethylbenzene, 1,2,4-	95-63-6	6	1.80E-01	1.47E-02
Trimethylbenzene, 1,3,5-	108-67-8	1.5	4.50E-02	3.67E-03
Xylenes	1330-20-7	12.4	3.72E-01	3.03E-02
Sum		-	-	-

Commercial Vapor Intrusion Risk

VI Carcinogenic Risk CR	VI Hazard CDI (mg/m^3)	VI Hazard HQ	IUR $(ug/m^3)^{-1}$	IUR Ref	Chronic RfC (mg/m^3)	RfC Ref	Temperature (°C)\ for Groundwater Vapor Concentration	Mutagen?
1.62E-08	5.82E-06	1.94E-04	7.80E-06	U	3.00E-02	U	25	No
-	1.58E-05	2.25E-05	-		7.00E-01	U	25	No
6.75E-08	8.22E-06	4.21E-03	2.30E-05	U	1.95E-03	U	25	No
-	7.53E-06	8.37E-05	-		9.00E-02	U	25	No
3.96E-06	1.85E-05	2.05E-03	6.00E-04	U	9.00E-03	U	25	No
-	3.63E-04	3.63E-03	-		1.00E-01	U	25	No
-	1.51E-05	7.53E-05	-		2.00E-01	U	25	No
2.69E-07	1.51E-04	5.02E-03	5.00E-06	U	3.00E-02	U	25	No
3.42E-08	3.84E-05	3.84E-05	2.50E-06	U	1.00E+00	U	25	No
-	2.12E-05	1.06E-04	-		2.00E-01	U	25	No
-	2.88E-05	5.75E-06	-		5.00E+00	U	25	No
-	1.37E-05	4.57E-06	-		3.00E+00	U	25	No
7.63E-07	8.22E-03	2.05E-01	2.60E-07	U	4.00E-02	U	25	No
-	4.66E-05	9.32E-06	-		5.00E+00	U	25	No
-	1.23E-03	2.47E-04	-		5.00E+00	U	25	No
1.30E-07	8.90E-05	4.45E-02	4.10E-06	U	2.00E-03	U	25	Mut
-	4.11E-05	6.85E-04	-		6.00E-02	U	25	No
-	1.03E-05	1.71E-04	-		6.00E-02	U	25	No
-	8.49E-05	8.49E-04	-		1.00E-01	U	25	No
5.24E-06	-	*2.67E-01*	-		-		-	

Chemical Properties

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	MW	MW Ref	Vapor Pressure VP (mm Hg)	VP Ref	S (mg/L)	S Ref	MCL (ug/L)
Benzene	71-43-2	Yes	Yes	78.12	U	9.48E+01	U	1.79E+03	U	5
Carbon Disulfide	75-15-0	Yes	Yes	76.14	U	3.59E+02	U	2.16E+03	U	-
Chloroform	67-66-3	Yes	Yes	119.38	U	1.97E+02	U	7.95E+03	U	80
Chloromethane	74-87-3	Yes	Yes	50.49	U	4.30E+03	U	5.32E+03	U	-
Dibromoethane, 1,2-	106-93-4	Yes	Yes	187.86	U	1.12E+01	U	3.91E+03	U	0.05
Dichlorodifluoromethane	75-71-8	Yes	Yes	120.91	U	4.85E+03	U	2.80E+02	U	-
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	96.94	U	6.00E+02	U	2.42E+03	U	7
Dioxane, 1,4-	123-91-1	Yes	Yes	88.11	U	3.81E+01	U	1.00E+06	U	-
Ethylbenzene	100-41-4	Yes	Yes	106.17	U	9.60E+00	U	1.69E+02	U	700
Isopropanol	67-63-0	Yes	Yes	60.10	U	4.54E+01	U	1.00E+06	U	-
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	72.11	U	9.06E+01	U	2.23E+05	U	-
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	100.16	U	1.99E+01	U	1.90E+04	U	-
Tetrachloroethylene	127-18-4	Yes	Yes	165.83	U	1.85E+01	U	2.06E+02	U	5
Toluene	108-88-3	Yes	Yes	92.14	U	2.84E+01	U	5.26E+02	U	1000
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	133.41	U	1.24E+02	U	1.29E+03	U	200
Trichloroethylene	79-01-6	Yes	Yes	131.39	U	6.90E+01	U	1.28E+03	U	5
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	120.20	U	2.10E+00	U	5.70E+01	U	-
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	120.20	U	2.48E+00	U	4.82E+01	U	-
Xylenes	1330-20-7	Yes	Yes	106.17	U	7.99E+00	U	1.06E+02	U	10000

Chemical Properties

HLC (atm-m³/mole)	Henry's Law Constant (unitless)	H` and HLC Ref	Henry's Law Constant Used in Calcs (unitless)	Normal Boiling Point BP (K)	BP Ref	Critical Temperature T_C\ (K)	T_C\ Ref	Enthalpy of vaporization at the normal boiling point $\Delta H_{v,b}$\ (cal/mol)	$\Delta H_{v,b}$\ Ref	Lower Explosive Limit LEL (% by volume)	LEL Ref
5.55E-03	2.27E-01	U	2.27E-01	353.15	U	5.62E+02	U	7340.00	U	1.20	U
1.44E-02	5.89E-01	U	5.89E-01	319.15	U	5.52E+02	U	6390.00	U	1.30	U
3.67E-03	1.50E-01	U	1.50E-01	334.25	U	5.36E+02	U	6990.00	U	-	
8.82E-03	3.61E-01	U	3.61E-01	249.15	U	4.16E+02	U	5110.00	U	8.10	U
6.50E-04	2.66E-02	U	2.66E-02	405.15	U	6.50E+02	U	8310.00	U	-	
3.43E-01	1.40E+01	U	1.40E+01	243.35	U	3.85E+02	U	4800.00	U	-	
2.61E-02	1.07E+00	U	1.07E+00	304.85	U	4.82E+02	U	6250.00	U	6.50	U
4.80E-06	1.96E-04	U	1.96E-04	375.15	U	5.87E+02	U	8160.00	U	2.00	U
7.88E-03	3.22E-01	U	3.22E-01	409.15	U	6.17E+02	U	8500.00	U	0.80	U
8.10E-06	3.31E-04	U	3.31E-04	355.45	U	5.08E+02	U	9520.00	U	2.00	U
5.69E-05	2.33E-03	U	2.33E-03	352.65	U	5.37E+02	U	7480.00	U	1.40	U
1.38E-04	5.64E-03	U	5.64E-03	389.15	U	5.75E+02	U	8240.00	U	1.20	U
1.77E-02	7.24E-01	U	7.24E-01	394.15	U	6.20E+02	U	8290.00	U	-	
6.64E-03	2.71E-01	U	2.71E-01	384.15	U	5.92E+02	U	7930.00	U	1.10	U
1.72E-02	7.03E-01	U	7.03E-01	347.15	U	5.45E+02	U	7140.00	U	8.00	U
9.85E-03	4.03E-01	U	4.03E-01	360.35	U	5.71E+02	U	7500.00	U	8.00	U
6.16E-03	2.52E-01	U	2.52E-01	442.15	U	6.49E+02	U	9370.00	U	0.90	U
8.77E-03	3.59E-01	U	3.59E-01	438.15	U	6.37E+02	U	9320.00	U	1.00	U
6.63E-03	2.71E-01	U	2.71E-01	411.15	U	6.20E+02	U	8520.00	U	-	