Public Review Draft
Engineering Design Report

Stubblefield Salvage Yard
595 Offner Road
Walla Walla, Washington

for
Washington State Department of Ecology

April 16, 2025

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GeoEngineers

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Washington State Department of Ecology
Toxics Cleanup Program, ERO
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1.0 Introduction

GeoEngineers, Inc. (GeoEngineers) has prepared this Engineering Design Report (EDR) for the planned remedial action at the former Stubblefield Salvage Yard site (herein referred to as the Site) located at 595 Offner Road, Walla Walla, Washington (Vicinity Map, Figure 1). This EDR addresses the planned excavation and off-site disposal of shallow diesel-range petroleum hydrocarbon (DRPH) and polychlorinated biphenyl (PCB)-contaminated soils located at the Site from former salvage operations. Other contamination at the site includes shallow soil contaminated with metals and polycyclic aromatic hydrocarbons (PAHs) which will be addressed separately during site redevelopment as described below. The remedial action described in this EDR is being conducted by the Washington State Department of Ecology (Ecology), and the Site is formally identified under Cleanup Site Identification number 4121.

The preferred remedial action selected during the Remedial Investigation (RI) and Feasibility Study (FS) (RIFS; GEI 2020) at the Site consisted of two parts: (1) excavation and off-site disposal of DRPH- and PCB-contaminated soil located in four areas of the Site, surrounding RI borings DP-3, DP-6, DP-14 and DP-23; and (2) excavation, consolidation, and on site capping of metals and PAH contaminated soil, located across large portions on the Site. Part 1 of the cleanup, the subject of this EDR, is being completed by Ecology to remove the more isolated and relatively more mobile and toxic contaminants (DRPH and PCBs) from the Site as described in the Draft Cleanup Action Plan (DCAP; Ecology 2025). Part two of the cleanup will be completed by the property owner concurrent with property redevelopment construction (Section 2.2). This EDR provides information describing the steps required to complete the DRPH and PCB cleanup and was prepared to meet the requirements of the Washington State Model Toxics Control Act (MTCA), administered by Ecology through the MTCA rules, Chapter 173-340-400 of the Washington Administrative Code (WAC).

2.0 Background Information

2.1 HISTORY

Salvage and recycling operations began at the Site in approximately 1950 and continued to 2010. The salvage operation previously encompassed approximately 40 acres, but salvage materials and associated debris were consolidated onto the existing 11-acre site as west-adjacent parcels were sold. When operating, the facility reportedly received scrap vehicles, drums, appliances, transformers, structural metal, agricultural equipment and piping, batteries, spent aluminum casings, cans, and other materials, including liquid wastes and asbestos-containing materials (ACM). These materials were crushed and/or cut into smaller pieces using acetylene torches and/or a hydraulic shear and baled/bundled for sale as scrap metal. Some materials, including aluminum and iron, were reportedly smelted on site in a homemade furnace.

The main shop and processing area for the salvage operation were in the north central part of the Site where early environmental actions by the United States Environmental Protection Agency (EPA) were completed. A history of salvage yard operations is presented in the RIFS Report (GEI 2020), and a summary of previous environmental investigations and cleanup actions is provided in Section 2.3.

2.2 CURRENT AND FUTURE LAND USE

The Site is bounded by Mill Creek to the north (separated from the Site by a levee), Myra Road to the west, and rural-residential properties to the east and south (Previous Explorations and Existing Conditions,

Figure 2). The site is owned by Konen Properties, LLC (Konen) and is currently vacant and undeveloped except for a temporary construction road which bisects the southern third of the property. Konen reportedly plans to construct a mixed multi-family residential/commercial development at the Site with associated multi-story buildings, asphalt and concrete paved surfaces, green space and stormwater facilities.

Four existing monitoring wells (MW-1, MW-2, MW-3, and MW-4) and one former supply well are located at the Site as shown on Figure 2. Monitoring wells will be decommissioned as part of the remedial action described in this report.

2.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND CLEANUP ACTIONS

Numerous inspections, assessments, investigations and cleanup actions have been completed at the Site between approximately 1999 and October 2024 by Ecology, EPA and Walla Walla County. A general timeline and summary of these activities is provided below. Additional descriptions of the previous work completed up to the RIFS are provided in the Site RIFS report and the historical reports referenced therein (GEI 2020), while work completed following the RIFS including the data gaps investigation and utility trenching action are presented in Appendices A and B respectively.

2.3.1 Early Environmental Assessment

Ecology completed multiple inspections between approximately 1999 and 2007 related to public complaints, air quality issues from on-site smelting and burning, and dangerous waste compliance. Inspections identified improper storage and handling of materials (used oil, batteries, incinerator ash, automotive fluids, drums), unpermitted burning of materials on site and other issues of potential environmental concern and Ecology referred the Site to the EPA in 2009 for immediate action, based on their findings. EPA conducted site assessment activities between 2009 and 2012, prior to and following removal actions described below, to assess the nature and extent of contamination at the Site from the salvage operation, including delineating contamination surrounding the main processing area. Contaminants identified at the Site included total petroleum hydrocarbons (TPH), volatile and semivolatile organic compounds (VOCs and SVOCs, respectively), PCBs, PAHs and metals in soil and/or groundwater.

2.3.1 Removal Actions

The EPA completed two 'time critical' removal actions in 2009 and in 2012. In 2009, while the salvage operation was ongoing, EPA removed leaking and other drummed wastes, bulk oil, ACM, and contaminated surface soil and debris that posed the greatest risk to human health and the environment. They returned in 2012 after salvage operations were shut down to remove additional drummed waste, contaminated solid waste and stained soil near the former shop building.

The EPA completed a non-time critical removal action in 2013 to remove contaminated surface and subsurface soil within the former process area. Additional ACM and other solid waste were also removed and disposed off-site as part of the removal action. Soil samples collected following the removal actions confirmed that contaminants of concern (COCs) with concentrations exceeding MTCA cleanup levels were still present at the Site.

2.3.2 RIFS

GeoEngineers completed a RIFS in 2020 which characterized the Site following the EPA removal actions and identified a preferred cleanup alternative to address remaining contamination (GEI 2020). The RI

identified remaining PAH, metals (cadmium, chromium, copper, lead and zinc), PCB and DRPH contamination in soil, generally from ground surface to approximately 2 to 3 feet below ground surface (bgs). Groundwater contamination was not identified based on the results of the RI.

The FS evaluated cleanup alternatives which included varying degrees of capping and excavation to address the remaining contamination and identified a preferred alternative consisting of: (1) excavation and off-site disposal of DRPH and PCB contaminated soil; and (2) excavation, consolidation, and capping of metals and PAH contaminated soil on site. Part one of the cleanup is the subject of this EDR as described in the DCAP (Ecology 2025).

2.3.3 Data Gaps Investigation

Shallow soil contaminated with DRPH and/or PCBs were identified in four borings as part of the RI, borings DP-3 (PCBs), DP-6 (PCBs and DRPH), DP-14 (PCBs) and DP-23 (DRPH), in approximately the upper 2 feet of soil. RI data indicated that these contaminants were relatively isolated compared to the other site COCs (PAHs and metals) which were detected across large portions of the shallow soil.

To further delineate the horizontal extents of DRPH and PCB contamination prior to remedial design, a data gaps investigation was completed in February 2024. The data gaps investigation soil sampling results generally identified the horizontal extents of DRPH and/or PCB contamination surrounding borings DP-3, DP-6, DP-14 and DP-23, except to the east of boring DP-3 and to the west of DP-6. Additional details regarding the Data Gaps Investigation are presented in Appendix A.

2.3.4 Utility Trenching Work

The property owner, who intends to redevelop the Site, installed sewer and water utilities along the approximate southern boundary of the property in October 2024. The planned utility trench excavation overlapped the assumed area of contaminated soil associated with boring DP-6 and the related data gaps investigation soil samples. Additional soil sampling was completed near DP-6 prior to the utility trench excavation so that contaminated soil could be removed and stockpiled on site prior to the installation of permanent utilities. Soil sampling identified DRPH and PCBs concentrations greater than the Site cleanup levels at one location at 1.5 feet bgs. An approximate 10-foot by 10-foot area was excavated around the contaminated sample, and excavated soil was stockpiled on the Site, approximately shown on Figure 3, for future removal and off-site disposal. Additional details regarding the utility trenching-related work are presented in Appendix B.

2.4 GEOLOGY AND HYDROGEOLOGY

This section summarizes the local geology and hydrogeology at the Site which are relevant to the planned shallow remedial excavation cleanup action. The discussion is based on the results of the RI; refer to the RIFS report for additional information (GEI 2020).

2.4.1 Soil

Shallow soil at the Site are generally composed of fine silt with varying amounts of sand, gravel and cobbles, which generally increase from south to north toward Mill Creek. Some debris including plastic, metal and fabric, are present in shallow soil across much of the Site. The southern portion of the Site is higher in elevation and gently slopes downward towards Mill Creek, which forms the northern boundary of the Site and is separated from the Site by a levee.

2.4.2 Groundwater

There is a shallow, unconfined alluvial aquifer below the Site with groundwater ranging from approximate Elevation 858 feet near the southeast corner of the Site to Elevation 855 feet near Mill Creek[1]. This shallow aquifer consists of interbedded fine silt and sand, silty sand and gravels that overlay cobbles and cemented gravels. Groundwater flow at the site is generally from the southwest to the northwest towards Mill Creek with a relatively flat gradient.

2.4.3 Surface Water

Mill Creek forms the northern boundary of the Site. The portion of Mill Creek adjacent to the Site is west-flowing, downstream of the Mill Creek Dam, which is approximately 5.5 miles to the east, and federally operated by the United States Army Corps of Engineers (USACE). Mill Creek discharges to the Walla Walla River approximately 6.5 miles downstream (west) of the Site. No other surface water features exist at the Site. Precipitation either infiltrates into shallow groundwater or if present in sufficient volume sheet flows from south to north following site grades toward Mill Creek. The levee separating Mill Creek from the Site prevents direct surface discharge of incidental runoff to the creek.

2.5 NATURE AND EXTENT OF DRPH AND PCB CONTAMINATION

Shallow soil, approximately 0 to 2 feet bgs, contaminated with DRPH and/or PCBs remains at the Site in five areas as shown on Figure 3:

1. **DP-3 Area**: PCB contamination is present in an estimated area of 30 feet (north-south) by 60 feet (east-west) around boring DP-3. Data gaps investigation soil sampling (Appendix A) did not bound the eastern extent of contamination, so the easterly extents were estimated. PCB concentrations exceeding the Site cleanup level of 1 milligram per kilogram (mg/kg) range between 1.31 and 39 mg/kg.
2. **DP-6 Area**: PCB and DRPH contamination is present in an approximate area of 10 feet (north-south) by 75 feet (east-west) around boring DP-6. Utility trenching sampling (Appendix B) generally bounded the contamination. A portion of the contamination in this area was excavated and stockpiled northwest of DP-6, as discussed below (Stockpile Area). PCB concentrations exceeding the Site cleanup level of 1 mg/kg range between 1.8 and 17 mg/kg. DRPH concentrations exceeding the Site cleanup level of 2,000 mg/kg range between 2,500 and 13,900 mg/kg (sum of diesel and residual range organics).
3. **DP-14 Area**: PCB contaminated soil is present in an approximate area of 30 feet by 30 feet around boring DP-14. Data gaps investigation soil sampling (Appendix A) bounded the contamination. PCBs exceeded the Site cleanup level of 1 mg/kg in one sample from boring DP-14 (2.49 mg/kg).
4. **DP-23 Area**: DRPH contamination is present in an approximate area of 30 feet by 30 feet around boring DP-23. Data gaps investigation soil sampling (Appendix A) bounded the contamination. DRPH exceeded the Site cleanup level of 2,000 mg/kg in one sample from boring DP-23 (4,180 mg/kg [sum of diesel and residual range organics]).
5. **Stockpile Area**: PCB and DRPH contamination in an approximate area of 10 feet by 10 feet around one exploration location surrounding DP-6 (sample from location SW2, see Appendix B for location and description) was excavated and stockpiled on site to the northwest of the DP-6 Area discussed above.

[1] Elevations referenced in this report are relative to the North American Vertical Datum of 1988.

PCBs were detected at a concentration of 8 mg/kg, greater than the Site cleanup level of 1 mg/kg. DRPH were detected at a concentration of 2,740 mg/kg, greater than the Site cleanup level of 2,000 mg/kg.

3.0 Cleanup Requirements

3.1 CONTAMINANTS OF CONCERN AND CLEANUP STANDARDS

COCs and cleanup standards for the Site were developed as part of the RIFS and finalized in the CAP in accordance with MTCA and WAC 173-340-700. COCs include DRPH, PCBs, PAHs and metals in shallow soil. As previously discussed, the focus of this EDR is cleanup of DRPH and PCB contamination, and PAHs and metals are not addressed further.

Soil: The objective of the remedial action is to excavate and remove shallow PCB- and DRPH-contaminated soils to concentrations below the Site cleanup levels.

The remedial action will address ingestion and direct contact exposure pathways in addition to minimizing mobilization of contaminated soil via wind and stormwater erosion related to DRPH and PCB contaminants. The remedial action described in this EDR is not required to meet soil cleanup standards under WAC 173-340-740 because PAH and metals contamination will be left in place. However, accessible soil with PCB and or DRPH concentrations greater than the Site cleanup levels will be removed from the Site as part of the remedial action to accommodate a range of site redevelopment scenarios.

Soil cleanup levels (CULs), summarized in Table 1, are MTCA Method A values based on unrestricted land use.

Groundwater: Groundwater cleanup standards are not applicable to the remedial action because groundwater contamination was not identified in the RI.

3.2 LOCATIONS AND MEDIA REQUIRING CLEANUP

There are four contaminated soil areas that will be removed and disposed off-site: the DP-3, DP-14, DP-23, and Stockpile Areas, as described in Section 2.5. Because of the proximity of the DP-6 Area (Section 2.5) to subsurface utilities, DRPH and PCB contamination in that location will be left in place. The remaining four areas will be excavated and disposed off-site as part of the planned cleanup action described in this report.

Existing information regarding these four areas, including estimated volumes of contaminated soil to be removed are summarized in Table 2 and shown on Figure 3. Additional description of the four remedial areas is provided in Section 4.3.

3.3 APPLICABLE REGULATORY REQUIREMENTS

In addition to the cleanup standards developed through the MTCA process described in the preceding section, other regulatory requirements must be considered during implementation of the remedial action (WAC 173-340-710). The remedial action is exempt from the procedural requirements of certain laws and local permits because the remedial action is being implemented by Ecology (WAC 173-340-710[9][a]). However, the remedial action must comply with the substantive requirements of those laws and permits. The applicable regulatory requirements for the remedial action at the Site are discussed in the subsections below.

3.3.1 City of Walla Walla Permit(s)

The City of Walla Walla (the City) requires a Grade and Fill Permit since the total proposed cut and/or fill at the Site exceeds the permit's minimum of 49 cubic yards (cy). Additional City permits, including a Haul Route Permit, Fencing Permit and Construction Vehicle Parking Permit, may be required. A State Environmental Policy Act (SEPA) checklist is not anticipated for this project because the total estimated volume of soil to be removed is below 1,000 cy.

4.0 Remedial Action

The remedial action at the Site is being conducted to remove DRPH and PCB contaminated soil. The RIFS and subsequent investigations (described in Appendices A and B) identified the general extents of contamination, as described in Section 2.5 and shown on Figure 3. Key components of the remedial action include the following:

- Locating utilities prior to any earth disturbing activities.
- Implementing temporary controls, including site security, traffic, erosion and sediment, and dust and noise, necessary to support remedial construction activities.
- Decommissioning existing monitoring wells at the Site.
- Excavating, transporting and disposing of PCB and DRPH contaminated soil and associated debris, where present, off-site.
- Performing surveys to document the excavation limits.
- Collecting soil samples from the limits of the remedial excavation areas for DRPH and PCBs analysis to confirm COCs have been removed to concentrations less than cleanup standards and document concentrations left in-place.
- Grading the limits of the excavation areas to slope to surrounding ground surface elevations.
- Restoring surfaces that were disturbed due to construction activities.
- Documenting the completed remedial action and implementing appropriate institutional controls.

These key activities, and supplemental activities needed to complete the remedial action are described in this section.

4.1 SITE PREPARATION

4.1.1 Utility Locate

Prior to any earthwork activities, the contractor will be responsible for contacting utility locating services to identify and mark utilities in the work area. A pre-construction survey completed by PBS Engineering and Environmental Inc. (PBS), Walla Walla, Washington, identified utilities that exist at/near the Site is provided in Appendix C. Portions of the plan set prepared by PBS for the utility installation work (described in Appendix B) near the southern property boundary, which show the planned locations of the new water and sewer utilities is also provided in Appendix C. The contractor will be responsible for confirming the location of utilities that are identified in the survey as well as any other utilities that exist at/near the Site but are not identified on the survey as needed to complete the remedial action.

4.1.2 Traffic Control, Site Access and Security

The primary site access is from the southwest corner of the property, off Futura Road. The contractor will establish appropriate on-site routes between the excavation areas and Futura Road to minimize site disturbance. The contractor will establish traffic control as needed for construction vehicles to safely enter and exit the Site on to Myra Road. The contractor is responsible for fencing, barricading signs and other site security measures during construction to prevent the general public from entering construction areas.

4.1.3 Temporary Erosion and Sediment Control (TESC)

Best management practices (BMPs) consistent with Ecology's current Stormwater Management Manual for Eastern Washington (SWMMEW) and the project permit requirements will be used for erosion and sediment control during construction. A temporary erosion and sediment control (TESC) plan will be prepared as part of the project plans presenting minimum requirements that the contractor will need to follow. The contractor will be required to revise this plan or prepare a new TESC plan, as necessary, to identify TESC BMPs that will be implemented during construction. Proposed temporary erosion and sediment control elements will include:

- Prevention of sediment, debris and sediment-laden water from leaving the work area and entering adjacent surface streets and storm drains using silt/filter fabric fences, straw bales, straw wattles, storm drain inlet protection, catch basin silt barriers and/or similar BMPs.
- Implementation of appropriate BMPs at the construction entrance/exit (stabilized construction entrance/exit, truck wheel wash, etc.) to minimize the tracking sediment onto the adjacent surface streets.
- Street sweeping and/or street cleaning, as necessary, to remove sediment tracked onto the adjacent surface streets.

4.1.4 Contractor Staging Area and Haul Route

The contractor will establish temporary access and staging on site for contractor vehicle parking, and equipment and supply storage during construction. The staging will be limited to within the parcel line boundaries. The contractor staging will avoid the planned remedial excavation areas.

The contractor will be responsible for establishing a haul route to an Ecology-approved Subtitle D landfill to properly dispose of contaminated soil. A wheel wash will be required at the beginning of the route to remove possible contaminated soil tracked onto the wheels of vehicles. The wheel wash will be located within the parcel line boundaries.

4.1.5 Dust and Noise Control

Site excavation work has the potential to generate airborne dust. Engineering controls will be used during construction (e.g., wetting or covering exposed soil), as necessary, to prevent off-site transport of airborne particulates. In addition, street sweeping will be performed, as necessary.

Construction noise will be generated by a variety of construction equipment, including truck engines, and earthmoving equipment. Work associated with the remedial action will be performed during hours allowed by City of Walla Walla municipal code. A variance will be required for work outside of the allowable hours. If required, the contractor will request a variance on the allowable work hours with the City of Walla Walla.

4.1.6 Well Decommissioning and Protection

Four existing monitoring wells (MW-1, MW-2, MW-3, and MW-4) are located at the Site as shown on Figure 2 and will be decommissioned as part of the remedial action. Decommissioning activities will be completed by a Washington-licensed driller in accordance with Ecology requirements (WAC 173-160-460). The former supply well will be protected in place during construction activities.

4.2 PROCEDURES FOR THE INADVERTENT DISCOVERY OF ARCHEOLOGICAL/CULTURAL RESOURCES

Discovery of archaeological/cultural resources is not anticipated based on the disturbed nature of the Site, and the anticipated shallow excavation depths, at or above approximately 2 feet bgs. If potential archaeological resources, cultural resources, or human remains are identified during construction, work will be stopped immediately in the vicinity of the discovery and required notifications will be completed in accordance with the Inadvertent Discovery Plan (IDP; Appendix D). Notifications will be made to Ecology, GeoEngineers, the Washington State Department of Archaeological and Historic Preservation (DAHP) and tribes as noted in the IDP. Construction work will not proceed at or near the discovery until DAHP has issued an approval to continue work. Identification and documentation of the find will be completed in accordance with the IDP.

4.3 REMEDIAL EXCAVATION

Remedial excavation will take place in the four areas described in Section 2.5: DP-3, DP-14, DP-23 and Stockpile Areas. Northing and easting coordinates for the DP-3, DP-14, and DP-23 boring locations are provided in Table 3. The boring location for DP-6 is also shown in Table 3 for documentation purposes. The remedial excavation areas are shown on Figure 3, and the following further describes the anticipated extent of excavation for the four remedial excavation areas:

- **DP-3**: The COC in this area is PCBs. The remedial excavation is anticipated to extend to 2 feet bgs and extend 15 feet north, south and west of the DP-3 location. The eastern edge of the excavation will extend to approximately 45 feet east of the DP-3 location. A soil sample collected 30 feet east of DP-3 had concentrations of PCBs (39 mg/kg) greater than the MTCA Method A Cleanup Level (1 mg/kg). Approximately 133 cy of contaminated soil is anticipated to be excavated from the DP-3 area.
- **DP-14**: The COC in this area is PCBs. The remedial excavation is anticipated to extend to 2 feet bgs and extend 15 feet north, east, south and west of the DP-14 location. Soil samples were collected 15 feet in each cardinal direction of DP-14 that had concentrations of COCs less than the PCB MTCA Method A Cleanup Level (1 mg/kg). Approximately 66 cy of contaminated soil is anticipated to be excavated from the DP-14 remedial area.
- **DP-23**: The COC in this area is DRPH. The remedial excavation is anticipated to extend to 2 feet bgs and extend 15 feet north, east, south and west of the DP-23 location. Soil samples were collected at 15 feet in each cardinal direction of DP-23 that had concentrations of COCs less than the DRPH Cleanup Level (2,000 mg/kg). Approximately 66 cy of contaminated soil is anticipated to be excavated from the DP-23 remedial area.
- **Stockpile Area**: COCs in this area are PCBs and DRPH. The stockpile consists of approximately 11 cy of contaminated soil.

Soil samples will be collected at the extents of the excavations, including beneath the Stockpile, as described above to confirm concentrations of DRPH and PCBs are below the Site cleanup levels. Soil samples which exceed the Site cleanup levels will be overexcavated, and new confirmation soil samples will be collected at the extents of the excavation. Following confirmation soil sampling and receipt of chemical analytical results, the contractor will be required to survey the final extents of the DP-3, DP-14 and DP-23 areas prior to final restoration grading.

4.4 CONFIRMATION SOIL SAMPLING AND ANALYSIS

Soil sampling during construction will be completed following remedial excavation to confirm contaminated soil has been removed and to document final site conditions. The following general guidelines for confirmation soil sampling within each excavation area will be used:

- **Sidewall sampling**: collect at least one soil sample for every 20 feet of sidewall (horizontally), with a minimum of one sample obtained per sidewall. Sidewall samples shall be collected at the approximate midpoint of the excavation face. Sidewall sampling does not apply to the Stockpile.
- **Base sampling**: collect at least one soil sample for every 400 square feet of exposed excavation base and beneath the Stockpile, with a minimum of one sample obtained per base.
- **Chemical analysis:** soil samples will be submitted for chemical analysis for the COC(s) present within each excavation: PCBs and/or DRPH. Additional analyses are not planned for confirmation soil samples.

The estimated number and location of confirmation soil samples to be collected is summarized in Table 3. Actual soil sampling needs will be determined based on real-time observations during construction, and in accordance with the project Sampling and Analysis Plan (SAP; GEI 2024).

Decontaminated hand tools such as hand-augers, shovels, trowels or similar will be used for collecting samples, as necessary. Soil samples will be collected using a clean pair of nitrile gloves and placed in laboratory-provided containers for chemical analysis. Soil sample containers will be stored in a cooler with ice prior to and during transport to the laboratory. Chemical analysis will be performed at an Ecology-accredited laboratory. Chain-of-custody forms will be used to document the transfer of samples during transport and submittal of samples to the laboratory. Chemical analysis will be performed on a rush 2-day turn-around time to support decision making concerning excavated material disposal and the possibility of extending the remedial excavation areas.

4.5 INCIDENTAL CONSTRUCTION DEWATERING AND WATER MANAGEMENT

Construction dewatering will be necessary only if water is observed to collect within the excavation areas and removal is required to facilitate excavation, observation and evaluation of the excavation limits, and collection of soil samples. The contractor will be required to dewater the excavation areas, temporarily store, sample and treat, and appropriately dispose of the dewatering water that has come in contact with contaminated material, if dewatering is necessary. Additionally, the contractor will be responsible for ensuring excavated materials meet transportation and disposal requirements, which may include drying measures. Note that there is a low potential of encountering groundwater during excavation, based on information gathered during the RIFS due to the difference in anticipated excavation depths and the measured groundwater elevations.

The contractor will be responsible for developing dewatering and water treatment systems to comply with applicable disposal requirements. The contractor will be responsible for collecting representative samples of the collected water for disposal characterization purposes and coordinating with the disposal facility and other entities (e.g., City), as applicable, for obtaining necessary permits and approvals. The disposal of construction water will be completed in accordance with applicable laws and regulations.

4.6 TRANSPORT AND DISPOSAL OF EXCAVATED SOIL

Soil removed from the remedial excavation areas will be transported off-site for disposal at an Ecology-approved and permitted Resource Conservation and Recovery Act (RCRA) Subtitle D landfill. The contractor will be responsible for transporting waste in accordance with applicable state and federal solid waste handling and transportation regulations. Transportation contractor(s) will be required to provide documentation that demonstrates that they are properly licensed and are in compliance with applicable Department of Transportation (DOT) regulations, as well as a copy of their contingency and spill control plans describing measures to be implemented in the event of spills or discharges during material handling and transportation.

The contractor will be responsible for obtaining disposal authorization from the Ecology-approved disposal facility(s). Coordination with disposal facility(s) may include filling out waste profile forms, submitting representative soil sample results necessary for obtaining disposal authorization, and obtaining waste disposal records.

4.7 GRADING AND SITE RESTORATION

Upon completion of the remedial excavations, the excavation areas will be graded with a gentle slope up to existing site grades and slopes will be compacted to a firm and unyielding condition. Ground surfaces within and adjacent to the excavation area that are disturbed as a result of the remediation activities will be restored with a 2-inch layer of imported gravel from a commercial pit.

4.8 INSTITUTIONAL CONTROLS

Soil contaminated with metals and PAHs will be left in place following the remedial action. Therefore, institutional controls (e.g., governmental/property controls, including environmental covenants, land use restrictions and soil management plans/requirements for contaminated soil that remains in place) will be implemented in consultation with Ecology.

5.0 Compliance Monitoring

WAC 173-340-410 identifies three types of compliance monitoring applicable to a cleanup action, including protection monitoring, performance monitoring and confirmational monitoring.

- Protection monitoring is performed to confirm that human health and the environment are adequately protected during the construction phase of the cleanup action.
- Performance monitoring is performed to confirm that the cleanup action has attained cleanup standards.
- Confirmational monitoring is performed to confirm the long-term effectiveness of the cleanup action.

Protection monitoring activities that will be implemented during remedial action construction are summarized below. Performance and confirmational monitoring will include taking confirmation samples at the extents of excavation limits as outlined in the SAP (GEI 2024).

5.1 PROTECTION MONITORING

Protection monitoring will include monitoring of worker health and safety and environmental protection practices such as stormwater, erosion and sediment controls. The purpose of protection monitoring is to confirm that human health and the environment are adequately protected during the cleanup action.

5.1.1 Worker Health and Safety

Construction activities will be performed in accordance with the requirements of the Washington Industrial Safety and Health Act (WISHA; RCW 49.17) and the Federal Occupational Safety and Health Act (29 CFR 1910, 1926). These regulations include requirements that workers to be protected from exposure to contaminants.

A site Health and Safety Plan (HASP) for GeoEngineers personnel overseeing construction activities is attached to the SAP (GEI 2024). The remediation contractor will be required to prepare and submit a separate HASP for use by contractor personnel. Personnel engaged in work that involves contaminated/hazardous material excavation and handling will comply with MTCA safety and health provisions in WAC 173-340-810 and will be Hazardous Waste Operations and Emergency Response (HAZWOPER), Occupational Safety and Health Administration (OSHA) and WISHA certified as required.

5.1.2 Environmental Protection

Environmental protection measures consisting of BMPs for stormwater, drainage and erosion control; spill prevention and pollution control; and all other controls needed to protect environmental quality will be implemented. Environmental protection measures, including BMP installation, inspection and maintenance necessary for stormwater management, control of surface water runoff, and temporary erosion and sediment control measures will be described by the contractor prior to commencing construction activities. If Ecology determines that the contractor's environmental protection measures are inadequate to meet the intent of applicable regulations, the contractor will be required to implement additional stormwater runoff, erosion control, or spill prevention and control measures to address the deficiencies.

6.0 Quality Assurance/Quality Control (QA/QC)

This section describes general QA/QC procedures to be implemented during the remedial action, including contractor quality control, construction monitoring and field documentation, and soil sample chemical analytical QA/QC.

6.1 CONTRACTOR QUALITY CONTROL

The contractor will be required to prepare plans and submittals describing their means and methods for completing the remedial action, and quality control procedures to be used. The contractor's plans and submittals will be subject to review and approval by Ecology to ensure that the construction is completed in accordance with the contract requirements.

The contractor will maintain QC records for the duration of construction. These records will include evidence that the required inspections or tests have been performed, including the type and number of inspections or tests involved; results of inspections or tests; nature of defects, deviations, causes for rejection, proposed corrective action and corrective actions taken.

In addition to the contractor's QC activities, Ecology and/or Ecology's representatives will perform independent oversight of the contractor's activities.

6.2 CONSTRUCTION MONITORING AND FIELD DOCUMENTATION

Construction monitoring will be performed by Ecology and its representatives. A comprehensive record of field activities will be maintained. Field documentation for this project will include field notes, field forms, field reports, and chain-of-custody forms for samples submitted for analytical testing. The field documentation will record construction, sampling, and monitoring activities, as well as decisions, corrective actions, and/or modifications to the project plans and procedures discussed in this report. Field documentation procedures are described in the Quality Assurance Project Plan (QAPP) which is part of the SAP (GEI 2024).

6.3 ANALYTICAL QA/QC

Analytical QA/QC is described in the QAPP (GEI 2024). The QAPP describes sampling, analysis, and QC procedures that will be implemented to produce chemical and field data that are representative, valid, and accurate for use in evaluating the effectiveness of the remedial action.

7.0 Schedule

Pending Ecology approvals, cleanup-related construction work is scheduled to begin in the winter of 2025. The construction duration is estimated to occur over a period of 2 to 3 weeks.

8.0 Reporting

Upon completion of remediation-related construction activities, a construction completion report summarizing the remediation activities and results of soil sampling and analysis will be prepared in accordance with WAC 173-340-400. Waste manifests, contaminated soil disposal receipts, and as-built drawings will be included in the construction completion report. A draft version of the construction completion report will be submitted to Ecology for review and comment prior to finalization.

Chemical analytical data generated during the remedial action will be provided to Ecology in the electronic format required by Ecology's Environmental Information Management (EIM) Policy 840.

9.0 Limitations

We have prepared this EDR for use by Ecology during the remedial action at the Site. Within the limitations of scope, schedule and budget, our services were executed in accordance with generally accepted environmental science practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

10.0 References

GeoEngineers, Inc. (GEI) 2020. Remedial Investigation/Feasibility Study Revision 1, Stubblefield, 595 Offner Road, Walla Walla, Washington prepared for the Washington State Department of Ecology dated August 5, 2020.

GEI 2024. Sampling Analysis Plan, Stubblefield, 595 Offner Road, Walla Walla, Washington prepared for the Washington State Department of Ecology dated February 15, 2024.

Washington State Department of Ecology (Ecology) 2025. Draft Cleanup Action Plan, Stubblefield Salvage Yard, 595 Offner Road, Walla Walla, Facility ID 1367331, Cleanup Site ID 4121 dated January 2025.

Tables

Table 1

Soil Cleanup Levels

Stubblefield Salvage Yard

Walla Walla, Washington

Contaminant of Concern		Soil Cleanup Level (mg/kg)	Basis of Cleanup Level (Unrestricted Land Use)
Petroleum Hydrocarbons	DRPH	2,000	MTCA Method A
PCBs	Total PCBs	1	MTCA Method A

Notes:

COC = contaminant of concern

DRPH = diesel-range petroleum hydrocarbons

PCBs = polychlorinated biphenyls

MTCA = Model Toxics Control Act

mg/kg = milligrams per kilogram

Table 2

Locations Requiring Cleanup

Stubblefield Salvage Yard

Walla Walla, Washington

Location	Contaminant(s) of Concern (COC) to be Removed	Approximate Depth (feet bgs)	Maximum COC Concentration Detected (mg/kg)	Volume of Soil to be Removed[1]	Estimated Number of Confirmation Soil Samples Needed[2]
DP-3	Total PCBs	0 to 2	39	133 cy	8 sidewalls (1 foot bgs) and 4 base (2 feet bgs)
DP-14	Total PCBs	0 to 2	2.49	66 cy	4 sidewalls (1 foot bgs) and 2 base (2 feet bgs)
DP-23	DRPH	0 to 2	2,510	66 cy	4 sidewalls (1 foot bgs) and 2 base (2 feet bgs)
SW2 Stockpile	DRPH and Total PCBs	Not Applicable	2,740 (DRPH) and 8 (PCBs)	11 cy	1 base (below stockpile)

Notes:

[1] Estimated volume assumes excavation will be completed to two feet bgs.

[2] Location estimated based on known extents of contamination. The number and location of confirmation samples required will be adjusted based on actual excavation extents.

bgs = below ground surface

DRPH = diesel-range petroleum hydrocarbons

PCBs = polychlorinated biphenyls

cy = cubic yards; mg/kg = milligrams per kilogram

Table 3

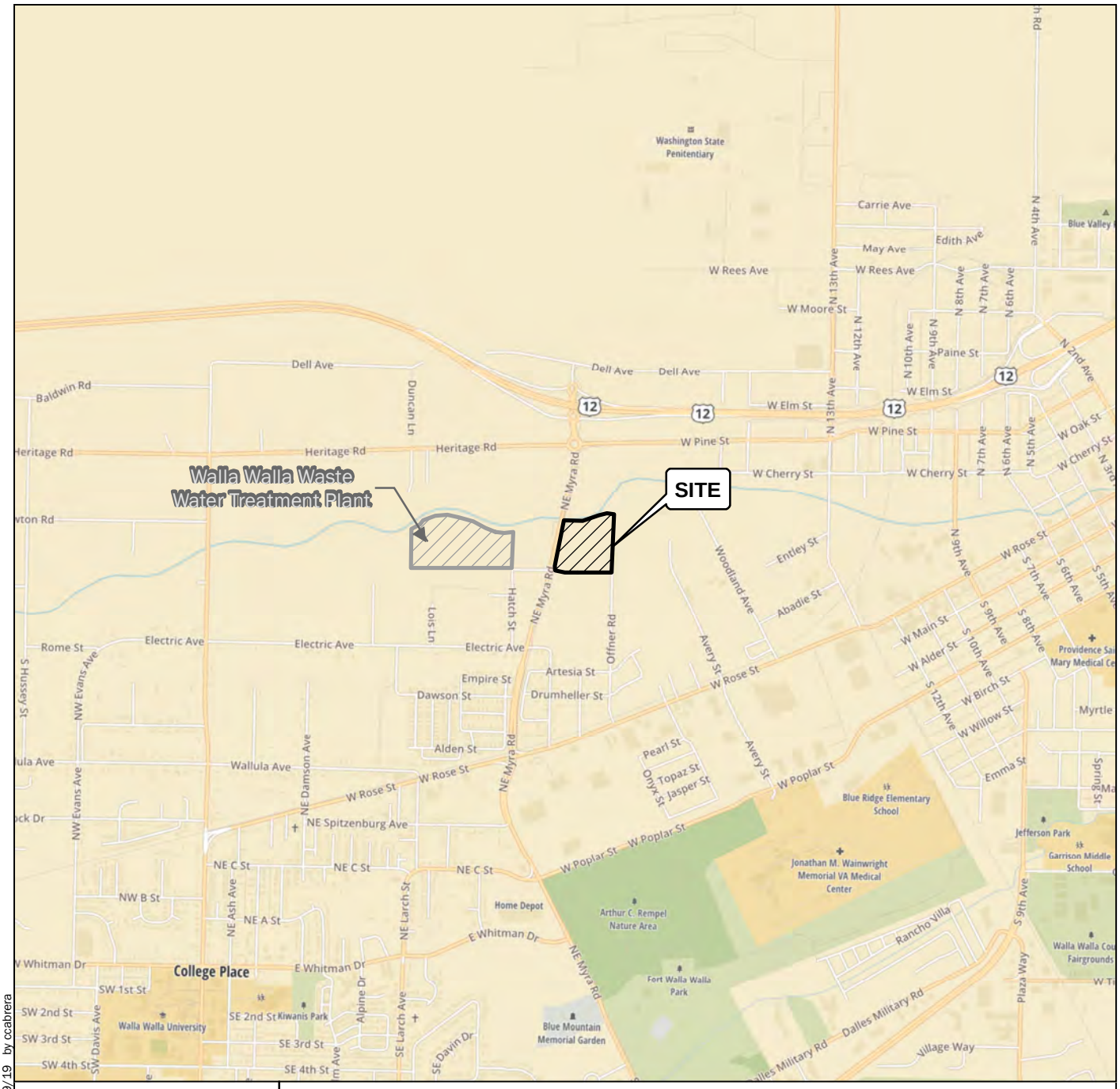
Remedial Investigation Location Coordinates

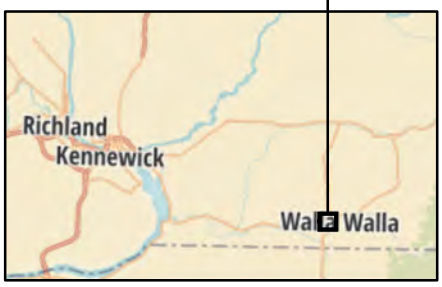
Stubblefield Salvage Yard

Walla Walla, Washington

Boring Identification	Easting	Northing	Latitude	Longitude
DP-3	2180976.543	273894.7673	46.06440682	-118.3701934
DP-6	2181212.753	273736.3434	46.06395504	-118.3692801
DP-14	2181237.418	273908.9963	46.06442651	-118.3691645
DP-23	2181389.201	273828.3613	46.06419422	-118.3685754

Figures





N

2,000 0 2,000

Feet

Vicinity Map

Stubblefield Salvage Yard
Walla Walla, Washington

GeoEngineers

Figure 1

Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Mapbox Open Street Map, 2016

Projection: NAD 1983 UTM Zone 11N

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Legend

- Former Test Pit Number and Approximate Location
- Former Boring Number and Approximate Location
- Monitoring Well Number and Approximate Location
- Former Water Supply Well

N

0 100

Feet

Source(s):
- Bing Maps.

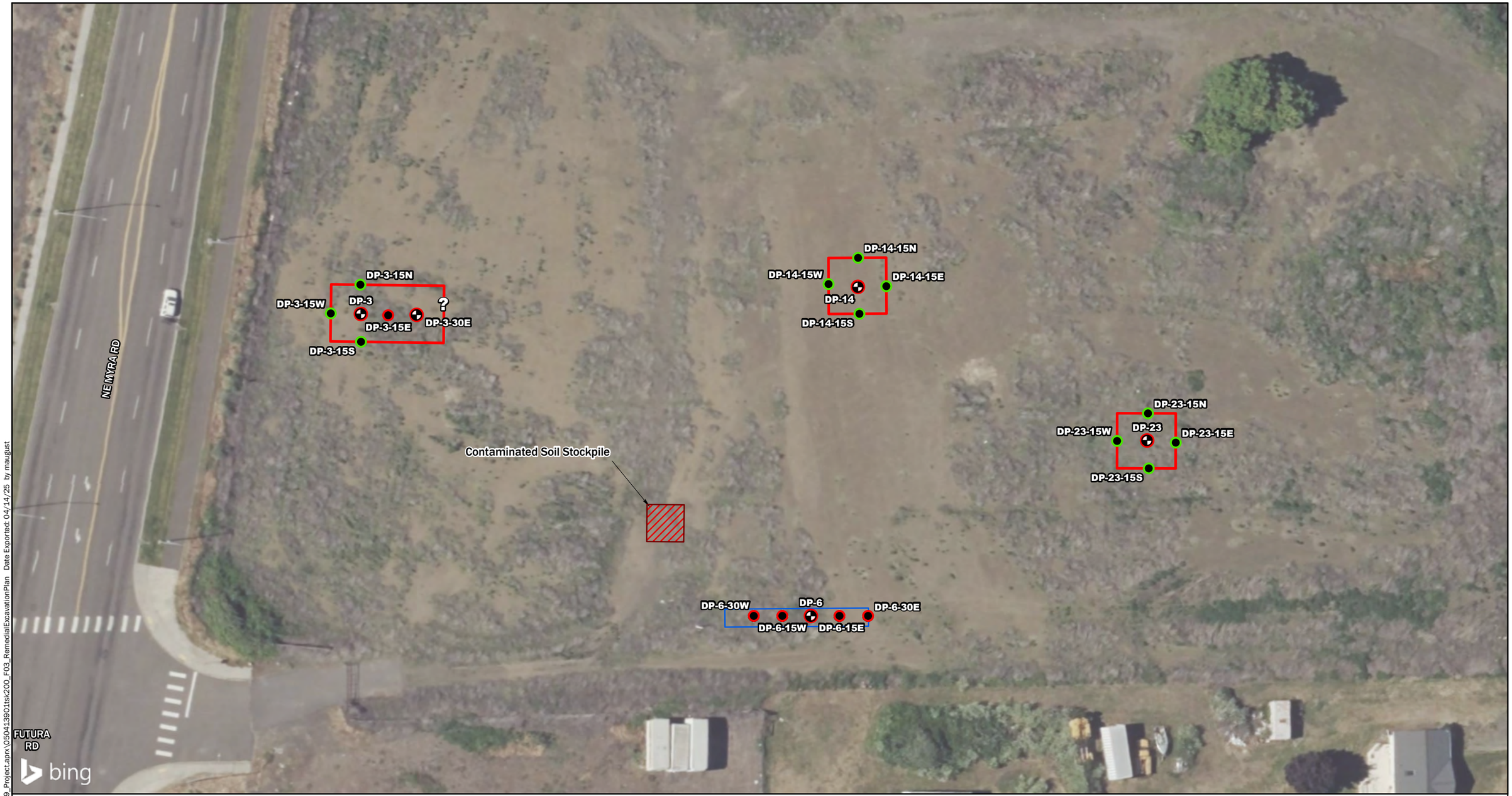
Coordinate System: NAD 1983 StatePlane Washington South FIPS 4602 Feet

Previous Explorations and Existing Conditions

Stubblefield Salvage Yard
Walla Walla, Washington

GeoEngineers

Figure 2



Notes:
1. Only DRPH and PCBs are the contaminants of concern for this site. Polycyclic aromatic hydrocarbons and metals are to remain in place as part of the overall cleanup remedy for the site.

Source(s): Bing Maps.

Coordinate System: NAD 1983 StatePlane Washington South FIPS 4602 Feet

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

Legend

- Former Boring Location
- Planned Remedial Excavation Area
- Soil Sample Location with Concentrations of PCBs and/or DRPH:
  - Greater than Site Cleanup Levels
  - Less than Site Cleanup Levels
- Unbounded Edge of Remedial Excavation Area. Area shown is an estimate.
- Estimated Extents of PCB and DRPH Contamination to be Left in Place
- Contaminated Soil to be Removed and Disposed Off-site

Site Cleanup Levels
Total Polychlorinated Biphenyls (PCBs): 1,000 ug/kg
Diesel-range petroleum hydrocarbons (DRPH): 2,000 mg/kg

N

0 50
Feet

Remedial Excavation Plan

Stubblefield Salvage Yard
Walla Walla, Washington

GeoEngineers

Figure 3

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Appendices

Appendix A

2024 Data Gaps Investigation Results Memorandum

GeoEngineers

523 East Second Avenue, Spokane, Washington 99202, Telephone: 509.363.3125 www.geoengineers.com

Memorandum

To:	Jim Petersen, PE – Washington State Department of Ecology, Toxics Cleanup Program
From:	Sydney Bronson, PE and Scott Lathen, PE
Date:	May 10, 2024
File:	0504-139-01
Subject:	Stubblefield Salvage Yard, Walla Walla, Washington 2024 Data Gaps Investigation Results

Introduction

This memorandum presents the results of soil sampling conducted as part of the data gaps investigation to facilitate design of the environmental cleanup for the Stubblefield Salvage Yard Project site (Site; CSID No. 4121) located at 595 Offner Road in Walla Walla, Washington. The scope that addressed the identified data gaps is summarized herein and was formalized in a Sampling and Analysis Plan (SAP) for the Site. This work is being conducted in accordance with Contract No. C2400130 associated with RFQ 2315 TCP between the Washington State Department of Ecology (Ecology) and GeoEngineers, Inc. effective January 10, 2024 (the Agreement).

We understand that the planned clean up action, which will be documented in the forthcoming Cleanup Action Plan being prepared by Ecology, will consist of over-excavating four locations sampled during the remedial investigation. The contaminants of concern (COCs) exceeding Site cleanup levels (CULs) which are to be removed as part of the environmental cleanup include total petroleum hydrocarbons (specifically diesel-range petroleum hydrocarbons [DRPH]) and total polychlorinated biphenyls (PCBs). Site CULs developed as a part of the Remedial Investigation and Feasibility Study (RIFS) include 1,000 micrograms per kilogram (µg/kg) for total PCBs and 460 milligrams per kilogram (mg/kg) for DRPH.

Background

The original site consisted of a residence built in 1950 (later converted to an office) on the eastern boundary of the site and a main processing area in the north-central part of the site that included a shop, kiln, shear (cutter) and baler. Salvage materials were stored throughout the site and included scrap metal and liquid waste.

Operation ceased on the property in 2010 and structures were demolished during subsequent removal actions conducted by EPA and site preparation activities conducted by Konen. The Site is currently vacant land. Konen reportedly plans to construct a mixed multi-family residential and commercial development on the property.

Environmental inspections uncovered improper handling of used oil, crushed or damaged batteries, incinerator ash, automotive fluids (spilled hydraulic fluids and stained soils), uncovered drums, leaking storage tanks and unpermitted burning of waste. Subsequent environmental investigations indicated that metals, polyaromatic hydrocarbons (PAHs), semi-volatile organic compounds (SVOCs), volatile organic compounds (VOCs), pesticides, PCBs, and petroleum hydrocarbons were present in soil and groundwater

at concentrations that exceed their respective Model Toxic Control Act (MTCA) cleanup levels. Several removal actions occurred at the Site leading to a RIFS by GeoEngineers in 2018 to 2020. Despite vast investigative efforts, data gaps remained in understanding the lateral extent of shallow contamination at four locations.

DATA GAPS

Following the RIFS, the undermentioned were the identified data gaps:

- The lateral extents of shallow DRPH contamination (approximately 0 to 2 feet below ground surface [bgs]) have not been delineated surrounding boring locations DP-6 and DP-23.
- The lateral extents of shallow PCB contamination (approximately 0 to 2 feet bgs) have not been delineated surrounding boring locations DP-3, DP-6 and DP-14.

Soil Sampling Activities

The purpose of the soil sampling activities was to define the extent of the contaminated soil around the four contaminated sample locations. As a part of the soil sampling effort, we conducted the following tasks:

- **Test Pits:** Completed a set of four "inner" and up to four "outer" test pits surrounding each data gap location (DP-3, -6, -14 and -23) approximately 15 feet and 30 feet from the former boring locations where DRPH and/or PCBs exceeded site CULs. See Figure 1 for test pit spacing.
- **Soil Sampling:** Collected soil samples from each test pit at the approximate depth range of the contaminated sample (typically 0 to 2 feet bgs). Field screened the soil in the test pits using photoionization detector (PID) readings, visual observations and water sheen testing. The test pits were backfilled with the excavated spoils.
- **Chemical Analysis:** Submitted one sample from each of the four "inner" test pits for chemical analysis of one or both of the following based on the COC exceedance(s) of the contaminated sample from the former boring:
  - DRPH by Northwest Method NWTPH-Dx.
  - PCBs by U.S. Environmental Protection Agency (EPA) Method 8082A.

  Samples collected from the "outer" test pits were submitted to the chemical analytical laboratory on hold pending the results of the "inner" samples. "Outer" samples were analyzed only if the associated "inner" sample exceeded site cleanup levels. Samples from the "inner" ring were submitted on a quick enough turnaround time to receive the results before the "outer" samples hold times expired.
- **Reporting:**
  - Evaluated the data with respect to Ecology's MTCA cleanup levels for DRPH and/or PCBs in soil.
  - Prepared a letter report summarizing the data gaps assessment activities and results.

Soil Data Results

A total of 20 soil samples were collected on February 26 and 27, 2024 from test pits surrounding the four remedial investigation locations: DP-3, DP-6, DP-14 and DP-23. All samples were collected from 0 to 2 feet bgs, unless otherwise stated. The DRPH, RRPH (Residual Range Petroleum Hydrocarbons), and PCB chemical analytical results are provided below. Chemical analytical data is summarized in Table 1 and displayed in Figure 1.

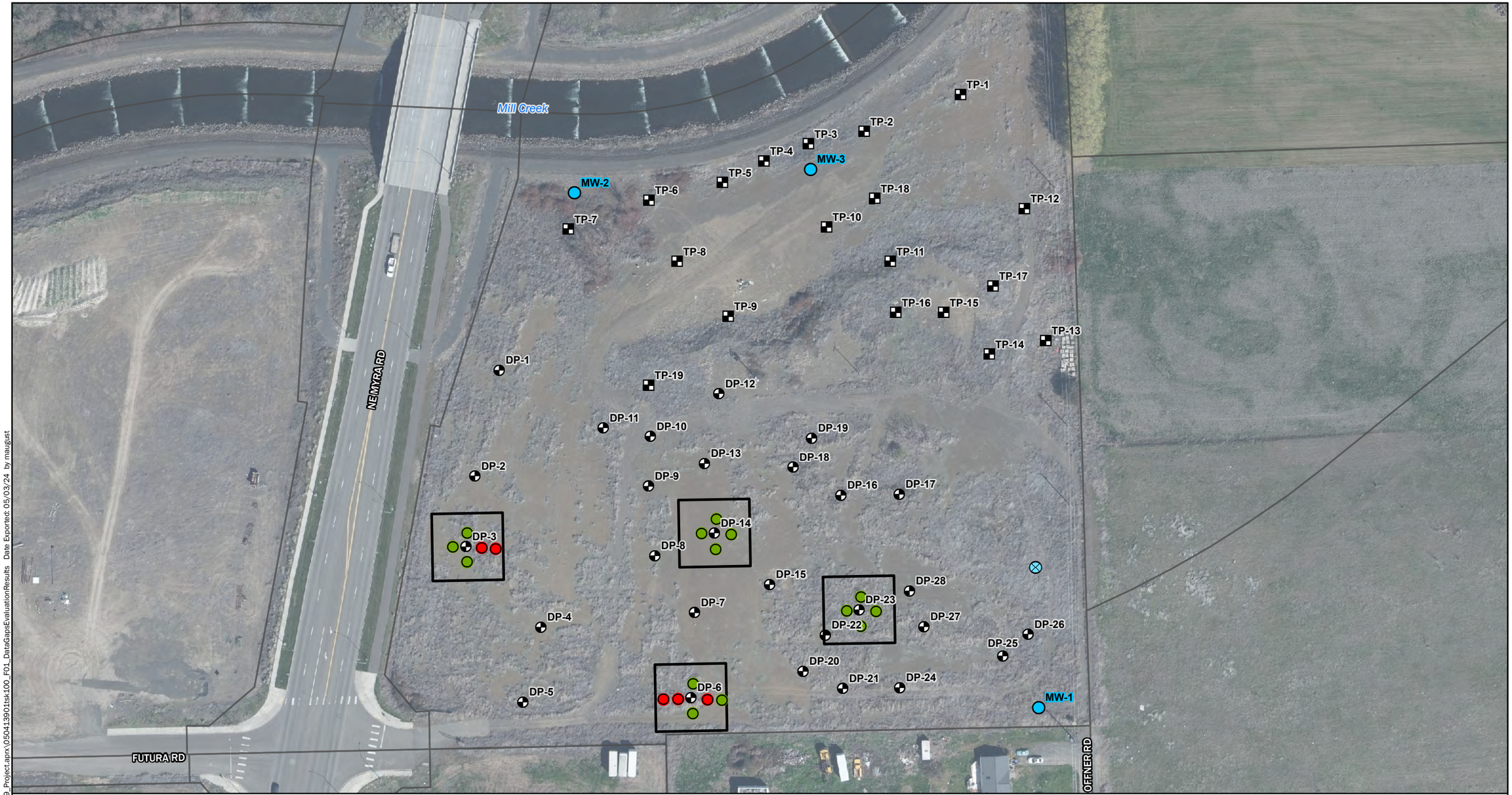
- **DP-3:** Samples were collected 15 feet from DP-3 in the northern, eastern, southern and western directions and submitted for chemical analysis of PCBs.
  - The sample collected at 15 feet in the eastern direction had a PCB concentration of 19 milligrams per kilogram (mg/kg), which is greater than the Site cleanup level of 1 mg/kg. A subsequent sample was collected 30 feet east of DP-3 that had Total PCBs concentration of 39 mg/kg, which is greater than the Site cleanup level.
  - PCB congener 1260 was detected at concentrations less than the site cleanup levels in three of the four samples. Other analyzed PCB congeners were not detected above the laboratory reporting limit.
- **DP-6:** Samples were collected 15 feet from DP-6 in the northern, eastern, southern and western directions and submitted for chemical analysis of DRPH and PCBs. Samples were subsequently collected 30 feet from DP-6 in the eastern and western directions.
  - The sample collected 15 feet east had a PCB concentration of 1.8 mg/kg, which is greater than the Site cleanup level. The DRPH and RRPH concentrations at this sample location were less than the Site cleanup levels. A subsequent sample was collected at 30 feet east of DP-6. The 30 foot east sample had PCB concentrations (0.045 mg/kg) less than the cleanup level.
  - The sample collected 15 feet west had a DRPH concentration of 1,100 mg/kg and a total PCB concentration of 3.4 mg/kg, both of which are greater than their respective Site cleanup levels. The RRPH concentration of 1,400 mg/kg is lower than the Site cleanup level (2,000 mg/kg). A subsequent sample was collected at 30 feet west of DP-6. The 30 foot west sample had concentrations in DRPH (6,300 mg/kg), RRPH (7,600 mg/kg) and total PCBs (17 mg/kg) that are greater than their respective Site cleanup levels. An additional sample was collected at 2 to 4 feet bgs 30 feet west of DP-6 to determine the vertical extent of contamination of petroleum hydrocarbons. The sample collected at 2 to 4 feet bgs had no detection of DRPH greater than the laboratory reporting limit and a concentration of RRPH less than the Site cleanup level.
  - DRPH, RRPH and PCBs were detected at concentrations less than their respective Site cleanup levels in the northern and southern directions at 15 feet. No 30 feet sample was taken in the northern and southern directions at DP-6.
- **DP-14:** Samples were collected 15 feet from DP-14 in the northern, eastern, southern and western directions and submitted for chemical analysis of PCBs.
  - PCB congener 1254 was detected at concentrations less than the Site cleanup levels in the samples collected at the northern, eastern and western locations. Other analyzed PCB congeners were not detected above the laboratory reporting limit.
- **DP-23:** Samples were collected 15 feet from DP-23 in the northern, eastern, southern and western directions and submitted for chemical analysis of DRPH and RRPH.
  - DRPH and RRPH were detected at concentrations less than the Site cleanup levels in the samples collected at the northern, eastern, southern and western locations.

Conclusions/Recommendations

Soil samples were collected from test pits to better delineate the extent of contamination of DRPH and PCBs around four RI sample locations. COCs were not detected in exceedance of Site cleanup levels in the samples surrounding DP-14 and DP-23. DP-3 is delineated in the north, south and west direction, but a PCB exceedance was identified 30 feet east of DP-3. DP-6 is delineated in the north, east and south direction, but there were exceedances in PCBs, DRPH and RRPH at the sample location 30 feet west of DP-6. Based on the chemical analytical results, additional soil sampling or special soil handling of excavated materials as part of cleanup construction activities is warranted.

BRW:SJB:SHL:mce:lmm

Attachments:
Figure 1. Data Gaps Investigation Results
Table 1. Soil Chemical Analytical Results
Soil Chemical Analytical Data Package, Eurofins



Notes:
1. Only DRPH and PCB data gaps were to be addressed via additional exploration. Polycyclic aromatic hydrocarbons and metals are to remain in place as part of the overall cleanup remedy for the site.
2. ug/kg = micrograms per kilogram
3. mg/kg = milligrams per kilogram

Source(s):
• Spring 2022 imagery, parcels and roads from City of Walla Walla GIS.
Coordinate System: NAD 1983 StatePlane Washington South FIPS 4602 Feet

Legend
- Former Test Pit Number and Approximate Location
- Former Boring Number and Approximate Location
- Monitoring Well Number and Approximate Location
- Former Water Supply Well
- Parcel Boundary
- 2024 Data Gaps Sample Location; Concentrations of PCBs and DRPH are less than their respective Site Cleanup Levels
- 2024 Data Gaps Sample Location; Concentrations of PCBs or DRPH are greater than their respective Site Cleanup Levels

Site Cleanup Levels
Total Polychlorinated Biphenyls (PCBs): 1,000 ug/kg
Diesel-range petroleum hydrocarbons (DRPH): 460 mg/kg

N

0 100
Feet

Data Gaps Investigation Results

Stubblefield Salvage Yard
Walla Walla, Washington

GeoEngineers

Figure 1

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Table 1

Soil Chemical Analytical Results - Data Gaps Investigation

Stubblefield Salvage Yard Site

Walla Walla, Washington

RI Exploration Location	DP-3							DP-6									DP-14						DP-23						
Data Gaps Test Pit	Not Applicable, Original RI Location		North	East		South	West	Not Applicable, Original RI Location		North	East		South	West			Not Applicable, Original RI Location		North	East	South	West	Not Applicable, Original RI Location		North	East	South	West	
Feet from RI Location			15	15	30	15	15			15	15	30	15	15	30				15	15	15	15			15	15	5	15	
Sample Depth (ft bgs)	0 to 2	3 to 5	0 to 2	0 to 2	0 to 2	0 to 2	0 to 2	0 to 2	3 to 5	0 to 2	0 to 2	0 to 2	0 to 2	0 to 2	0 to 2	2 to 4	0 to 2	3 to 5	0 to 2	0 to 2	0 to 2	0 to 2	0 to 1.5	1.5 to 3	0 to 2	0 to 2	0 to 2	0 to 2	
Sample Date	11/26/2018		2/26/2024					11/27/2018		2/27/2024							11/27/2018		2/26/2024				11/28/2018		2/26/2024				
Sample ID	DP-3 (0.0-2.0)	DP-3 (3.0-5.0)	DP3-15N-0-2	DP3-15E-0-2	DP3-30E-0-2	DP3-15S-0-2	DP3-15W-0-2	DP-6 (0.0-2.0)	DP-6 (3.0-5.0)	DP6-15N-0-2	DP6-15E-0-2	DP6-30E-0-2	DP6-15S-0-2	DP6-15W-0-2	DP6-30W-0-2	DP6-30W-2-4	DP-14 (0.0-2.0)	DP-14 (3.0-5.0)	DP14-15N-0-2	DP14-15E-0-2	DP14-15S-0-2	DP14-15W-0-2	DP-23 (0.0-1.5)	DP-23 (1.5-3.0)	DP23-15N-0-2	DP23-15E-0-2	DP23-15S-0-2	DP23-15W-0-2	Site Cleanup Level (mg/kg)
Polychlorinated Biphenyls (PCB) by EPA Method 8082A (mg/kg)																													
PCB-1016	<0.0112	<0.0112	<0.012	<1.3	<0.012	<0.012	<0.012	<0.0118	<0.0124	<0.013	<0.25	<0.012	<0.013	<0.62	<0.012		<0.0112	<0.0119	<0.011	<0.012	<0.012	<0.12	<0.0115	<0.0119					NE
PCB-1221	<0.0141	<0.0142	<0.012	<1.3	<0.012	<0.012	<0.012	<0.0149	<0.0156	<0.013	<0.25	<0.012	<0.013	<0.62	<0.012		<0.0141	<0.0150	<0.011	<0.012	<0.012	<0.12	<0.0146	<0.0150					NE
PCB-1232	<0.0160	<0.0161	<0.012	<1.3	<0.012	<0.012	<0.012	<0.0169	<0.0178	<0.013	<0.25	<0.012	<0.013	<0.62	<0.012		<0.0161	<0.0170	<0.011	<0.012	<0.012	<0.12	<0.0166	<0.0171					NE
PCB-1242	<0.0136	<0.0137	<0.012	<1.3	<0.012	<0.012	<0.012	<0.0143	<0.0151	<0.013	<0.25	<0.012	<0.013	<0.62	<0.012		<0.0136	<0.0145	<0.011	<0.012	<0.012	<0.12	<0.0141	<0.0145					NE
PCB-1248	<0.0120	<0.0121	<0.012	<1.3	<0.012	<0.012	<0.012	<0.0127	<0.0133	<0.013	<0.25	<0.012	<0.013	<0.62	<0.012		**1.62**	<0.0128	<0.011	<0.012	<0.012	<0.12	<0.0124	<0.0128					NE
PCB-1254	<0.0118	<0.0119	<0.012	<1.3	<0.012	<0.012	<0.012	**5.3**	<0.0131	**0.18**	**1.8**	<0.012	**0.71**	**3.4**	**17**	Not Analyzed	<0.0118	<0.0125	**0.36**	**0.52**	<0.012	**0.8**	**0.425**	**0.625**	Not Analyzed				NE
PCB-1260	**1.31**	<0.0096	**0.53**	**19**	**39**	**0.031**	**0.048**	<0.0101	<0.0106	<0.013	<0.25	**0.045**	<0.013	<0.62	<0.012		**0.868**	<0.0102	<0.011	<0.012	<0.012	<0.12	<0.0099	<0.0102					NE
PCB-1262	NR	NR	<0.012	<1.3	<0.012	<0.012	<0.012	NR	NR	<0.013	<0.25	<0.012	<0.013	<0.62	<0.012		NR	NR	<0.011	<0.012	<0.012	<0.12	NR	NR					NE
PCB-1268	NR	NR	<0.012	<1.3	<0.012	<0.012	<0.012	NR	NR	<0.013	<0.25	<0.012	<0.013	<0.62	<0.012		NR	NR	<0.011	<0.012	<0.012	<0.12	NR	NR					NE
Total PCBs	**1.31**	ND	**0.53**	**19**	**39**	**0.031**	**0.048**	**5.3**	ND	**0.18**	**1.8**	**0.045**	**0.71**	**3.4**	**17**		**2.49**	ND	**0.36**	**0.52**	ND	**0.8**	**0.425**	**0.625**					1
Total Petroleum Hydrocarbons by Northwest Method NWTPH-Dx (mg/kg)																													
Diesel Range Organics (DRO)	**14.1**	<2.9	Not Analyzed					**507 J**	**4.8 J**	**6.3 J**	**110 J**	–	**73**	**1,100**	**6,300**	<14	**114**	<3.1	Not Analyzed				**2,510**	**115**	**45**	**22**	**42**	**32**	2,000[3]
Residual Range Organics (RRO)	**40.7**	<5.1						**833 J**	**14.1**	**17 J**	**310**	–	**240**	**1,400**	**7,600**	**7.9 J**	**431**	**6.2 J**					**1,670**	**126**	**210**	**73**	**140**	**120**	
Total DRO/RRO[2]	**54.8**	<5.1						**1,340**	**18.9**	**23.3**	**420**	–	**313**	**2,500**	**7,600**	**14.9**	**545**	**7.8**					**4,180**	**241**	**255**	**95**	**182**	**152**	

Notes:

[1] Refer to Appendix A, Figure 1 for approximate RI and Data Gaps Exploration Locations. RI analysis was completed by Pace Analytical of Minneapolis, Minnesota and Data Gaps Investigation analysis was completed by Eurofins Environment Testing of Spokane, Washington.

Refer to the RI Report for RI data packages, and Appendices A and B for data gaps investigation and utility trenching-related data packages.

[2]The total concentration of DRO and RRO is calculated using DRO concentration + RRO concentration. Results where one compound (DRO or RRO) was not detected above laboratory reporting limits and the other was detected are summed using 1/2 the reporting limit for the non-detect compound. Otherwise, if both compounds were not detected above laboratory reporting limits, the higher of the two reporting limits was used for the total.

[3]MTCA Method A Cleanup Level for the combined total concentrations of DRO and RRO.

EPA = U.S. Environmental Protection Agency

J = concentration is estimated

ND = not detected

NE = not established

NR = not reported

RI = Remedial Investigation

ft bgs = feet below ground surface

mg/kg = milligrams per kilogram

< = analyte was not detected above the laboratory reporting or method detection limit listed.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sydney Bronson
GeoEngineers Inc
1101 Fawcett, Suite 200
Tacoma, Washington 98402

Generated 3/5/2024 3:46:37 PM

JOB DESCRIPTION

Ecology Stubblefield

JOB NUMBER

590-23437-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

Job Notes

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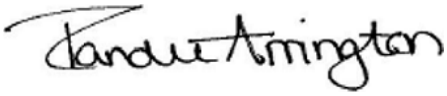
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
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Table of Contents

Job Narrative
590-23437-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/27/2024 4:35 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 3.1°C.

GC Semi VOA
Method NWTPH_Dx: Detected hydrocarbons appear to be due to creosote or similar product as well as oil.

DP6-15E-0-2 (590-23437-1), DP6-15W-0-2 (590-23437-5), DP6-15S-0-2 (590-23437-6) and (590-23437-A-1-B DU)

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap.

DP23-15W-0-2 (590-23437-14), DP23-15N-0-2 (590-23437-15), DP23-15E-0-2 (590-23437-16), DP23-5S-0-2 (590-23437-17) and (590-23437-A-3-B DU)

Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: DP6-15W-0-2 (590-23437-5). 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.

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

Sample Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-23437-1	DP6-15E-0-2	Solid	02/27/24 07:08	02/27/24 16:35
590-23437-3	DP6-15N-0-2	Solid	02/27/24 07:18	02/27/24 16:35
590-23437-5	DP6-15W-0-2	Solid	02/27/24 07:28	02/27/24 16:35
590-23437-6	DP6-15S-0-2	Solid	02/27/24 07:37	02/27/24 16:35
590-23437-14	DP23-15W-0-2	Solid	02/26/24 14:14	02/27/24 16:35
590-23437-15	DP23-15N-0-2	Solid	02/26/24 14:30	02/27/24 16:35
590-23437-16	DP23-15E-0-2	Solid	02/26/24 14:37	02/27/24 16:35
590-23437-17	DP23-5S-0-2	Solid	02/26/24 14:50	02/27/24 16:35

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
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.
S1+	Surrogate recovery exceeds control limits, high biased.

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: DP6-15E-0-2

Lab Sample ID: 590-23437-1
Date Collected: 02/27/24 07:08
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.0

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)	110	J	120	51	mg/Kg	☼	02/29/24 07:41	02/29/24 12:41	10
Residual Range Organics (RRO) (C25-C36)	310		310	61	mg/Kg	☼	02/29/24 07:41	02/29/24 12:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*02/29/24 07:41*	*02/29/24 12:41*	*10*
n-Triacontane-d62	*109*		*50 - 150*	*02/29/24 07:41*	*02/29/24 12:41*	*10*

Client Sample ID: DP6-15N-0-2

Lab Sample ID: 590-23437-3
Date Collected: 02/27/24 07:18
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 75.9

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)	6.3	J	12	5.2	mg/Kg	☼	02/29/24 07:41	02/29/24 13:23	1
Residual Range Organics (RRO) (C25-C36)	17	J	31	6.2	mg/Kg	☼	02/29/24 07:41	02/29/24 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*02/29/24 07:41*	*02/29/24 13:23*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*02/29/24 07:41*	*02/29/24 13:23*	*1*

Client Sample ID: DP6-15W-0-2

Lab Sample ID: 590-23437-5
Date Collected: 02/27/24 07:28
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 77.2

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)	1100		130	53	mg/Kg	☼	02/29/24 07:41	02/29/24 14:04	10
Residual Range Organics (RRO) (C25-C36)	1400		320	63	mg/Kg	☼	02/29/24 07:41	02/29/24 14:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*02/29/24 07:41*	*02/29/24 14:04*	*10*
n-Triacontane-d62	*208*	*S1+*	*50 - 150*	*02/29/24 07:41*	*02/29/24 14:04*	*10*

Client Sample ID: DP6-15S-0-2

Lab Sample ID: 590-23437-6
Date Collected: 02/27/24 07:37
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 76.6

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)	73		13	5.4	mg/Kg	☼	02/29/24 07:41	02/29/24 14:25	1
Residual Range Organics (RRO) (C25-C36)	240		32	6.4	mg/Kg	☼	02/29/24 07:41	02/29/24 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*02/29/24 07:41*	*02/29/24 14:25*	*1*
n-Triacontane-d62	*110*		*50 - 150*	*02/29/24 07:41*	*02/29/24 14:25*	*1*

Client Sample ID: DP23-15W-0-2

Lab Sample ID: 590-23437-14
Date Collected: 02/26/24 14:14
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.2

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)	32		12	5.1	mg/Kg	☼	02/29/24 07:41	02/29/24 14:45	1
Residual Range Organics (RRO) (C25-C36)	120		30	6.0	mg/Kg	☼	02/29/24 07:41	02/29/24 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*02/29/24 07:41*	*02/29/24 14:45*	*1*
n-Triacontane-d62	*112*		*50 - 150*	*02/29/24 07:41*	*02/29/24 14:45*	*1*

Client Sample ID: DP23-15N-0-2

Lab Sample ID: 590-23437-15
Date Collected: 02/26/24 14:30
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 83.4

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)	45		12	5.0	mg/Kg	☼	02/29/24 07:41	03/01/24 10:19	1
Residual Range Organics (RRO) (C25-C36)	210		30	5.9	mg/Kg	☼	02/29/24 07:41	03/01/24 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*02/29/24 07:41*	*03/01/24 10:19*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*02/29/24 07:41*	*03/01/24 10:19*	*1*

Client Sample ID: DP23-15E-0-2

Lab Sample ID: 590-23437-16
Date Collected: 02/26/24 14:37
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 77.5

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)	22		13	5.4	mg/Kg	☼	02/29/24 07:41	02/29/24 15:27	1
Residual Range Organics (RRO) (C25-C36)	73		32	6.4	mg/Kg	☼	02/29/24 07:41	02/29/24 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*02/29/24 07:41*	*02/29/24 15:27*	*1*
n-Triacontane-d62	*110*		*50 - 150*	*02/29/24 07:41*	*02/29/24 15:27*	*1*

Client Sample ID: DP23-5S-0-2

Lab Sample ID: 590-23437-17
Date Collected: 02/26/24 14:50
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.5

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)	42		12	5.2	mg/Kg	☼	02/29/24 07:41	02/29/24 15:48	1
Residual Range Organics (RRO) (C25-C36)	140		31	6.2	mg/Kg	☼	02/29/24 07:41	02/29/24 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*02/29/24 07:41*	*02/29/24 15:48*	*1*
n-Triacontane-d62	*105*		*50 - 150*	*02/29/24 07:41*	*02/29/24 15:48*	*1*

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

Lab Sample ID: MB 590-46053/1-A
Matrix: Solid
Analysis Batch: 46057

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46053

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		02/29/24 07:41	02/29/24 11:21	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		02/29/24 07:41	02/29/24 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*02/29/24 07:41*	*02/29/24 11:21*	*1*
n-Triacontane-d62	*96*		*50 - 150*	*02/29/24 07:41*	*02/29/24 11:21*	*1*

Lab Sample ID: LCS 590-46053/2-A
Matrix: Solid
Analysis Batch: 46057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46053

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	57.0		mg/Kg		86	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	57.7		mg/Kg		86	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*91*		*50 - 150*
n-Triacontane-d62	*102*		*50 - 150*

Lab Sample ID: 590-23437-1 DU
Matrix: Solid
Analysis Batch: 46057

Client Sample ID: DP6-15E-0-2
Prep Type: Total/NA
Prep Batch: 46053

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	110	J		179	F5	mg/Kg	☼			46	40
Residual Range Organics (RRO) (C25-C36)	310			397		mg/Kg	☼			26	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*99*		*50 - 150*
n-Triacontane-d62	*131*		*50 - 150*

Lab Sample ID: 590-23437-3 DU
Matrix: Solid
Analysis Batch: 46057

Client Sample ID: DP6-15N-0-2
Prep Type: Total/NA
Prep Batch: 46053

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	6.3	J		27.4	F3	mg/Kg	☼			125	40
Residual Range Organics (RRO) (C25-C36)	17	J		99.4	F3	mg/Kg	☼			142	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*98*		*50 - 150*

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

Lab Sample ID: 590-23437-3 DU
Matrix: Solid
Analysis Batch: 46057

Client Sample ID: DP6-15N-0-2
Prep Type: Total/NA
Prep Batch: 46053

Surrogate	DU %Recovery	DU Qualifier	Limits
n-Triacontane-d62	*112*		*50 - 150*

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-1

Client Sample ID: DP6-15E-0-2
Date Collected: 02/27/24 07:08
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-1
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			46042	02/28/24 13:38	MRV	EET SPK

Client Sample ID: DP6-15E-0-2
Date Collected: 02/27/24 07:08
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-1
Matrix: Solid
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.73 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	46057	02/29/24 12:41	NMI	EET SPK

Client Sample ID: DP6-15N-0-2
Date Collected: 02/27/24 07:18
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-3
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			46042	02/28/24 13:38	MRV	EET SPK

Client Sample ID: DP6-15N-0-2
Date Collected: 02/27/24 07:18
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-3
Matrix: Solid
Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.89 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	46057	02/29/24 13:23	NMI	EET SPK

Client Sample ID: DP6-15W-0-2
Date Collected: 02/27/24 07:28
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-5
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			46042	02/28/24 13:38	MRV	EET SPK

Client Sample ID: DP6-15W-0-2
Date Collected: 02/27/24 07:28
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-5
Matrix: Solid
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.33 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	46057	02/29/24 14:04	NMI	EET SPK

Client Sample ID: DP6-15S-0-2
Date Collected: 02/27/24 07:37
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-6
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			46042	02/28/24 13:38	MRV	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-1

Client Sample ID: DP6-15S-0-2
Lab Sample ID: 590-23437-6
Date Collected: 02/27/24 07:37
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.29 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	46057	02/29/24 14:25	NMI	EET SPK

Client Sample ID: DP23-15W-0-2
Lab Sample ID: 590-23437-14
Date Collected: 02/26/24 14:14
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP23-15W-0-2
Lab Sample ID: 590-23437-14
Date Collected: 02/26/24 14:14
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.11 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	46057	02/29/24 14:45	NMI	EET SPK

Client Sample ID: DP23-15N-0-2
Lab Sample ID: 590-23437-15
Date Collected: 02/26/24 14:30
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP23-15N-0-2
Lab Sample ID: 590-23437-15
Date Collected: 02/26/24 14:30
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.14 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	46057	03/01/24 10:19	NMI	EET SPK

Client Sample ID: DP23-15E-0-2
Lab Sample ID: 590-23437-16
Date Collected: 02/26/24 14:37
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-1

Client Sample ID: DP23-15E-0-2

Lab Sample ID: 590-23437-16
Date Collected: 02/26/24 14:37
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.15 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	46057	02/29/24 15:27	NMI	EET SPK

Client Sample ID: DP23-5S-0-2

Lab Sample ID: 590-23437-17
Date Collected: 02/26/24 14:50
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP23-5S-0-2

Lab Sample ID: 590-23437-17
Date Collected: 02/26/24 14:50
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.41 g	5 mL	46053	02/29/24 07:41	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	46057	02/29/24 15:48	NMI	EET SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: GeoEngineers Inc
Job ID: 590-23437-1
Project/Site: Ecology Stubblefield

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	01-07-25

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	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 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: ~~10/10/24~~ NWTPH-Dx 5 DAY TAT			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:
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~tbhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			

Analysis Requested

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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N			
DP-6-DG-0-2	2-27-24	0708	C	Solid			X	X		
DP-6-DG-2-4	2-27-24	0710	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0718	C	Solid			X	X		
DP-6-DG-2-4	2-27-24	0720	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0728	C	Solid			X	X		
DP-6-DG-0-2	2-27-24	0737	C	Solid			X	X		
DP-6-DG-0-2	2-27-24	0741	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0745	C	Solid						Hold
DP-6-DG-2-4	2-27-24	0749	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0755	C	Solid						Hold
DP-6-DG-2-4	2-27-24	0759	Solid							Hold

590-23437 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Δ Non-Hazard Δ Flammable Δ Skin Irritant Δ Poison B Δ Unknown Δ Radiological	Δ Return To Client Δ Disposal By Lab Δ 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
Morea Schofield	2/27/24 1635	BEI		2/27/24 1635	STA Spokane
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:	3.0 & 3.1 °C IR005

Ver: 06/08/2021

3/5/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: ~~NWTPH-Dx~~ 5 DAY TAT			
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082 A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	N		X	
DP-6-DG-0-2	2.27.24	0808	C	Solid					Hold
DP-6-DG-2-4	2.27.24	0811	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1414	C	Solid		X			
DP-23-DG-0-2	2.26.24	1430	C	Solid		X			
DP-23-DG-0-2	2.26.24	1437	C	Solid		X			
DP-23-DG-0-2	2.26.24	1450	C	Solid		X			
DP-23-DG-2-4	2.26.24	1451	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1455	C	Solid					Hold
DP-23-DG-2-4	2.26.24	1457	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1503	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1515	C	Solid					Hold

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
Morea Schofield	2/27/24 1635	GEI		2/27/24 1635	ESASpokane
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: 3.0c 7.1c IR006

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: ~~NWTPH-Dx 5 DAY TAT~~	Analysis Requested		Preservation Codes
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082 A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	N			
DP-23-DG-2-4	2.26.24	1517	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1525	C	Solid					Hold
DP-23-DG-2-4	2.26.24	1530	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1145	C	Solid					Hold
DP-3-DG-2-4	2.26.24	1143	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1145	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1157	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1203	C	Solid					Had
DP-3-DG-0-2	2.26.24	1110	C	Solid			X		
DP-3-DG-0-2	2.26.24	1120	C	Solid			X		
DP-3-DG-0-2	2.26.24	1127	C	Solid			X	2	

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
Morea Schofield	2.27.24 1635	GE1	[illegible]	2/27/24 1635	CTAsmke
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: 3.0, 3.1 IR06

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson	Phone: 425.861.6086	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:	Analysis Requested		Job #:
Address: 523 East Second Ave	Due Date Requested: ~~NWTPH-Dx~~ 5 DAY TAT			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)
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note
			Preservation Code:		X	N		X	
DP-3-DG-0-2	2.26.24	1133	C	Solid			X		
DP-14-DG-0-2	2.26.24	1327	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1352	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1337	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1403	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1259	C	Solid			X		
DP-14-DG-2-4	2.26.24	1301	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1315	C	Solid			X		
DP-14-DG-0-2	2.26.24	1225	C	Solid			X		
DP-14-DG-0-2	2.26.24	1240	C	Solid			X		
				Solid					

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
Morea Schofield	2.27.24 1635	GEI		2/27/24 1635	CTS Spokane
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:	3.0c 3.1c IR006

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson	Phone: 425-861-6086	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 623 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT			
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			

Analysis Requested

Preservation Codes
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Anchlor, 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)	NWTPH_Dx	PCBs EPA Method 8082A	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:		X	X	N		X
DP-6-DG-0-2	2-27-24	0708	C	Solid		X	X		DP6-15E-0-2
DP-6-DG-2-4	2-27-24	0710	C	Solid					Hold DP6-15E-2-4
DP-6-DG-0-2	2-27-24	0718	C	Solid		X	X		DP6-15N-0-2
DP-6-DG-2-4	2-27-24	0720	C	Solid					Hold DP6-15N-2-4
DP-6-DG-0-2	2-27-24	0728	C	Solid		X	X		DP6-15W-0-2
DP-6-DG-0-2	2-27-24	0737	C	Solid		X	X		DP6-15S-0-2
DP-6-DG-0-2	2-27-24	0741	C	Solid					Hold DP6-30S-0-2
DP-6-DG-0-2	2-27-24	0745	C	Solid					Hold DP6-30E-0-2
DP-6-DG-2-4	2-27-24	0749	C	Solid					Hold DP6-30E-2-4
DP-6-DG-0-2	2-27-24	0755	C	Solid					Hold DP6-30N-0-2
DP-6-DG-2-4	2-27-24	0759		Solid					Hold DP6-30N-2-4

Requested Sample ID changes for lab report - SJB,3/1/24

590-23437 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
Morea Schofield	2/27/24 1635	GE		2/27/24 1635	Eurofins
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:	3.0 & 3.1 °C IR005

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT	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)
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	NWTPH_Dx	PCBs EPA Method 8082 A	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
DP-6-DG-0-2	2.27.24	0808	C	Solid					Hold DP6-30W-0-2
DP-6-DG-2-4	2.27.24	0811	C	Solid					Hold DP6-30W-2-4
DP-23-DG-0-2	2.26.24	1414	C	Solid		X	X		DP23-15W-0-2
DP-23-DG-0-2	2.26.24	1430	C	Solid		X			DP23-15N-0-2
DP-23-DG-0-2	2.26.24	1437	C	Solid		X			DP23-15E-0-2
DP-23-DG-0-2	2.26.24	1450	C	Solid		X			DP23-5S-0-2
DP-23-DG-2-4	2.26.24	1451	C	Solid					Hold DP23-5S-2-4
DP-23-DG-0-2	2.26.24	1455	C	Solid					Hold DP23-30N-0-2
DP-23-DG-2-4	2.26.24	1457	C	Solid					Hold DP23-30N-2-4
DP-23-DG-0-2	2.26.24	1509	C	Solid					Hold DP23-30W-0-2
DP-23-DG-0-2	2.26.24	1515	C	Solid					Hold DP23-30E-0-2

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
Morea Schofield	2/27/24 1635	GEI		2/27/24 1635	GEA Spokane
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: 3.0 2 1c IR006

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9865-2729.2
Client Contact: Bryce Hanson Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT	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:
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: bhanson@geoengineers.com sbronson@geo-engineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N		X	
DP-23-DG-2-4	2.26.24	1517	C	Solid					Hold DP23-30E-2-4
DP-23-DG-0-2	2.26.24	1525	C	Solid					Hold DP23-35S-0-2
DP-23-DG-2-4	2.26.24	1530	C	Solid					Hold DP23-35S-2-4
DP-3-DG-0-2	2.26.24	1148	C	Solid					Hold DP3-30N-0-2
DP-3-DG-2-4	2.26.24	1143	C	Solid					Hold DP3-30N-2-4
DP-3-DG-0-2	2.26.24	1145	C	Solid					Hold DP3-30E-0-2
DP-3-DG-0-2	2.26.24	1157	C	Solid					Hold DP3-30S-0-2
DP-3-DG-0-2	2.26.24	1203	C	Solid					Hold DP3-30W-0-2
DP-3-DG-0-2	2.26.24	1110	C	Solid			X		DP3-15S-0-2
DP-3-DG-0-2	2.26.24	1120	C	Solid			X		DP3-15W-0-2
DP-3-DG-0-2	2.26.24	1127	C	Solid			X	1	DP3-15E-0-2

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
Morea Schofield	2.27.24 1635	GE1	[illegible]	2/27/24 1635	[illegible]
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: 3.0c 1/2 IR06

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Marea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: Bryce Hanson Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:	Analysis Requested		Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT			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 4-6, Y Trizma, Z other (specify), Other:
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: bhanson@geoengineers.com sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note
			Preservation Code:		X	X	N	X	
DP-3-DG-0-2	2.26.24	1135	C	Solid			X		DP3-15N-0-2
DP-14-DG-0-2	2.26.24	1327	C	Solid					Hold DP14-30N-0-2
DP-14-DG-0-2	2.26.24	1352	C	Solid					Hold DP14-30S-0-2
DP-14-DG-0-2	2.26.24	1337	C	Solid					Hold DP14-30W-0-2
DP-14-DG-0-2	2.26.24	1403	C	Solid					Hold DP14-30E-0-2
DP-14-DG-0-2	2.26.24	1259	C	Solid			X		DP14-15N-0-2
DP-14-DG-2-4	2.26.24	1301	C	Solid					Hold DP14-15N-2-4
DP-14-DG-0-2	2.26.24	1315	C	Solid			X		DP14-15E-0-2
DP-14-DG-0-2	2.26.24	1225	C	Solid			X		DP14-15W-0-2
DP-14-DG-0-2	2.26.24	1240	C	Solid			X		DP14-15S-0-2
				Solid					

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
Marea Schofield	2.27.24 1635	GEI		2/27/24 1635	GEI Spokane
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: 3.0c 3.1c IR06

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-23437-1

Login Number: 23437
List Number: 1
Creator: Morris, Mackenzie 1

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sydney Bronson
GeoEngineers Inc
1101 Fawcett, Suite 200
Tacoma, Washington 98402

Generated 3/12/2024 1:55:46 PM

JOB DESCRIPTION

Ecology Stubblefield

JOB NUMBER

590-23437-2

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

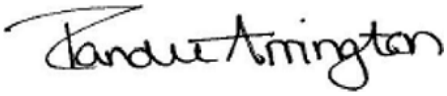
See page two for job notes and contact information.

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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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job Narrative
590-23437-2

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/27/2024 4:35 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 3.1°C.

Receipt Exceptions
The following sample was activated by the client on 03/05/24: DP6-30W-0-2 (590-23437-12).

GC Semi VOA
Method NWTPH_Dx: Detected hydrocarbons appear to be due to creosote or similar product.

DP6-30W-0-2 (590-23437-12)

Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: DP6-30W-0-2 (590-23437-12). Evidence of matrix interference due to high target analytes 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.

PCBs
Method 8082A: The MS/MSD for the batch was diluted due to the abundance of target analytes : (LCS 590-46204/2-A). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information. The LCS is the only spiked QC in the batch, but passed, therefore data will be flagged and reported.

Method 8082A: Surrogate recovery for the following samples were outside control limits: DP6-15E-0-2 (590-23437-1), DP6-15W-0-2 (590-23437-5), DP6-15S-0-2 (590-23437-6), DP3-15E-0-2 (590-23437-33) and DP3-15N-0-2 (590-23437-34). Evidence of matrix interference due to high target analytes 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.

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

Sample Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-23437-1	DP6-15E-0-2	Solid	02/27/24 07:08	02/27/24 16:35
590-23437-3	DP6-15N-0-2	Solid	02/27/24 07:18	02/27/24 16:35
590-23437-5	DP6-15W-0-2	Solid	02/27/24 07:28	02/27/24 16:35
590-23437-6	DP6-15S-0-2	Solid	02/27/24 07:37	02/27/24 16:35
590-23437-12	DP6-30W-0-2	Solid	02/27/24 08:08	02/27/24 16:35
590-23437-31	DP3-15S-0-2	Solid	02/26/24 11:10	02/27/24 16:35
590-23437-32	DP3-15W-0-2	Solid	02/26/24 11:20	02/27/24 16:35
590-23437-33	DP3-15E-0-2	Solid	02/26/24 11:27	02/27/24 16:35
590-23437-34	DP3-15N-0-2	Solid	02/26/24 11:33	02/27/24 16:35
590-23437-39	DP14-15N-0-2	Solid	02/26/24 12:59	02/27/24 16:35
590-23437-41	DP14-15E-0-2	Solid	02/26/24 13:15	02/27/24 16:35
590-23437-42	DP14-15W-0-2	Solid	02/26/24 12:25	02/27/24 16:35
590-23437-43	DP14-15S-0-2	Solid	02/26/24 12:40	02/27/24 16:35

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

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: DP6-15E-0-2

Lab Sample ID: 590-23437-1

Date Collected: 02/27/24 07:08
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1221	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1232	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1242	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1248	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1254	**1800**		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1260	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1268	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20
PCB-1262	ND		250	55	ug/Kg	☼	03/11/24 09:55	03/11/24 20:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*37 - 126*	*03/11/24 09:55*	*03/11/24 20:44*	*20*
DCB Decachlorobiphenyl (Surr)	*270*	*S1+*	*32 - 150*	*03/11/24 09:55*	*03/11/24 20:44*	*20*

Client Sample ID: DP6-15N-0-2

Lab Sample ID: 590-23437-3

Date Collected: 02/27/24 07:18
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 75.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1221	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1232	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1242	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1248	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1254	**180**		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1260	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1268	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1
PCB-1262	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*37 - 126*	*03/11/24 09:55*	*03/11/24 16:30*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*32 - 150*	*03/11/24 09:55*	*03/11/24 16:30*	*1*

Client Sample ID: DP6-15W-0-2

Lab Sample ID: 590-23437-5

Date Collected: 02/27/24 07:28
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 77.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1221	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1232	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1242	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1248	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1254	**3400**		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1260	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1268	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50
PCB-1262	ND		620	140	ug/Kg	☼	03/11/24 09:55	03/11/24 21:06	50

Client Sample ID: DP6-15W-0-2

Lab Sample ID: 590-23437-5
Date Collected: 02/27/24 07:28
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 77.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*111*		*37 - 126*	*03/11/24 09:55*	*03/11/24 21:06*	*50*
DCB Decachlorobiphenyl (Surr)	*329*	*S1+*	*32 - 150*	*03/11/24 09:55*	*03/11/24 21:06*	*50*

Client Sample ID: DP6-15S-0-2

Lab Sample ID: 590-23437-6
Date Collected: 02/27/24 07:37
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 76.6

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1221	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1232	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1242	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1248	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1254	**710**		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1260	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1268	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1
PCB-1262	ND		13	2.8	ug/Kg	☼	03/11/24 09:55	03/11/24 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*82*		*37 - 126*	*03/11/24 09:55*	*03/11/24 17:12*	*1*
DCB Decachlorobiphenyl (Surr)	*391*	*S1+*	*32 - 150*	*03/11/24 09:55*	*03/11/24 17:12*	*1*

Client Sample ID: DP6-30W-0-2

Lab Sample ID: 590-23437-12
Date Collected: 02/27/24 08:08
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 81.1

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)	**6300**		240	99	mg/Kg	☼	03/11/24 14:22	03/11/24 17:56	20
Residual Range Organics (RRO) (C25-C36)	**7600**		590	120	mg/Kg	☼	03/11/24 14:22	03/11/24 17:56	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*132*		*50 - 150*	*03/11/24 14:22*	*03/11/24 17:56*	*20*
n-Triacontane-d62	*676*	*S1+*	*50 - 150*	*03/11/24 14:22*	*03/11/24 17:56*	*20*

Client Sample ID: DP3-15S-0-2

Lab Sample ID: 590-23437-31
Date Collected: 02/26/24 11:10
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1
PCB-1221	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1
PCB-1232	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1
PCB-1242	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1
PCB-1248	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1
PCB-1254	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1
PCB-1260	**31**		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1
PCB-1268	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1

Client Sample ID: DP3-15S-0-2

Lab Sample ID: 590-23437-31

Date Collected: 02/26/24 11:10
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*37 - 126*	*03/11/24 09:55*	*03/11/24 17:33*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*32 - 150*	*03/11/24 09:55*	*03/11/24 17:33*	*1*

Client Sample ID: DP3-15W-0-2

Lab Sample ID: 590-23437-32

Date Collected: 02/26/24 11:20
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 79.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1221	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1232	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1242	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1248	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1254	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1260	**48**		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1268	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1
PCB-1262	ND		12	2.7	ug/Kg	☼	03/11/24 09:55	03/11/24 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*37 - 126*	*03/11/24 09:55*	*03/11/24 17:55*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*32 - 150*	*03/11/24 09:55*	*03/11/24 17:55*	*1*

Client Sample ID: DP3-15E-0-2

Lab Sample ID: 590-23437-33

Date Collected: 02/26/24 11:27
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1221	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1232	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1242	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1248	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1254	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1260	**19000**		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1268	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100
PCB-1262	ND		1300	280	ug/Kg	☼	03/11/24 09:55	03/12/24 10:13	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*184*	*S1+*	*37 - 126*	*03/11/24 09:55*	*03/12/24 10:13*	*100*
DCB Decachlorobiphenyl (Surr)	*661*	*S1+*	*32 - 150*	*03/11/24 09:55*	*03/12/24 10:13*	*100*

Client Sample ID: DP3-15N-0-2

Lab Sample ID: 590-23437-34

Date Collected: 02/26/24 11:33
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1221	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1232	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1242	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1248	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1254	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1260	**530**		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1268	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1
PCB-1262	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*37 - 126*	*03/11/24 09:55*	*03/11/24 18:37*	*1*
DCB Decachlorobiphenyl (Surr)	*228*	*S1+*	*32 - 150*	*03/11/24 09:55*	*03/11/24 18:37*	*1*

Client Sample ID: DP14-15N-0-2

Lab Sample ID: 590-23437-39

Date Collected: 02/26/24 12:59
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 84.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1221	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1232	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1242	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1248	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1254	**360**		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1260	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1268	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1
PCB-1262	ND		11	2.5	ug/Kg	☼	03/11/24 09:55	03/11/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*37 - 126*	*03/11/24 09:55*	*03/11/24 18:58*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*32 - 150*	*03/11/24 09:55*	*03/11/24 18:58*	*1*

Client Sample ID: DP14-15E-0-2

Lab Sample ID: 590-23437-41

Date Collected: 02/26/24 13:15
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.8

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1221	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1232	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1242	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1248	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1254	**520**		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1260	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1268	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1
PCB-1262	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 19:19	1

Client Sample ID: DP14-15E-0-2

Lab Sample ID: 590-23437-41

Date Collected: 02/26/24 13:15
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*37 - 126*	*03/11/24 09:55*	*03/11/24 19:19*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*32 - 150*	*03/11/24 09:55*	*03/11/24 19:19*	*1*

Client Sample ID: DP14-15W-0-2

Lab Sample ID: 590-23437-42

Date Collected: 02/26/24 12:25
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1221	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1232	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1242	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1248	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1254	**800**		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1260	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1268	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10
PCB-1262	ND		120	26	ug/Kg	☼	03/11/24 09:55	03/12/24 10:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*	*p*	*37 - 126*	*03/11/24 09:55*	*03/12/24 10:34*	*10*
DCB Decachlorobiphenyl (Surr)	*109*		*32 - 150*	*03/11/24 09:55*	*03/12/24 10:34*	*10*

Client Sample ID: DP14-15S-0-2

Lab Sample ID: 590-23437-43

Date Collected: 02/26/24 12:40
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1221	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1232	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1242	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1248	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1254	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1260	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1268	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1
PCB-1262	ND		12	2.6	ug/Kg	☼	03/11/24 09:55	03/11/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*37 - 126*	*03/11/24 09:55*	*03/11/24 20:02*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*32 - 150*	*03/11/24 09:55*	*03/11/24 20:02*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 590-46204/1-A
Matrix: Solid
Analysis Batch: 46207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1221	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1232	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1242	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1248	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1254	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1260	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1268	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1
PCB-1262	ND		10	2.2	ug/Kg		03/11/24 09:55	03/11/24 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*37 - 126*	*03/11/24 09:55*	*03/11/24 14:11*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*32 - 150*	*03/11/24 09:55*	*03/11/24 14:11*	*1*

Lab Sample ID: LCS 590-46204/2-A
Matrix: Solid
Analysis Batch: 46207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46204

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			66.7	54.8		ug/Kg		82	67 - 120		
PCB-1260			66.7	69.6		ug/Kg		104	58 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*96*		*37 - 126*
DCB Decachlorobiphenyl (Surr)	*117*		*32 - 150*

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

Lab Sample ID: MB 590-46222/1-A
Matrix: Solid
Analysis Batch: 46224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46222

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		03/11/24 14:22	03/11/24 17:12	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		03/11/24 14:22	03/11/24 17:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*03/11/24 14:22*	*03/11/24 17:12*	*1*
n-Triacontane-d62	*75*		*50 - 150*	*03/11/24 14:22*	*03/11/24 17:12*	*1*

Lab Sample ID: LCS 590-46222/2-A
Matrix: Solid
Analysis Batch: 46224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46222

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	67.6		mg/Kg		101	50 - 150		

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

Lab Sample ID: LCS 590-46222/2-A
Matrix: Solid
Analysis Batch: 46224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46222

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Residual Range Organics (RRO) (C25-C36)			66.7	68.8		mg/Kg		103	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*101*		*50 - 150*
n-Triacontane-d62	*101*		*50 - 150*

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

Client Sample ID: DP6-15E-0-2
Lab Sample ID: 590-23437-1
Date Collected: 02/27/24 07:08
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.45 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		20	1 mL	1 mL	46207	03/11/24 20:44	NMI	EET SPK

Client Sample ID: DP6-15N-0-2
Lab Sample ID: 590-23437-3
Date Collected: 02/27/24 07:18
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 75.9

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	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 16:30	NMI	EET SPK

Client Sample ID: DP6-15W-0-2
Lab Sample ID: 590-23437-5
Date Collected: 02/27/24 07:28
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.63 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		50	1 mL	1 mL	46207	03/11/24 21:06	NMI	EET SPK

Client Sample ID: DP6-15S-0-2
Lab Sample ID: 590-23437-6
Date Collected: 02/27/24 07:37
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.46 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 17:12	NMI	EET SPK

Client Sample ID: DP6-30W-0-2
Lab Sample ID: 590-23437-12
Date Collected: 02/27/24 08:08
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:38	MRV	EET SPK

Client Sample ID: DP6-30W-0-2
Lab Sample ID: 590-23437-12
Date Collected: 02/27/24 08:08
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.65 g	5 mL	46222	03/11/24 14:22	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		20	1 mL	1 mL	46224	03/11/24 17:56	NMI	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

Client Sample ID: DP3-15S-0-2
Date Collected: 02/26/24 11:10
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-31
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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP3-15S-0-2
Date Collected: 02/26/24 11:10
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-31
Matrix: Solid
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.35 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 17:33	NMI	EET SPK

Client Sample ID: DP3-15W-0-2
Date Collected: 02/26/24 11:20
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-32
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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP3-15W-0-2
Date Collected: 02/26/24 11:20
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-32
Matrix: Solid
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.70 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 17:55	NMI	EET SPK

Client Sample ID: DP3-15E-0-2
Date Collected: 02/26/24 11:27
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-33
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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP3-15E-0-2
Date Collected: 02/26/24 11:27
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-33
Matrix: Solid
Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.09 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		100	1 mL	1 mL	46207	03/12/24 10:13	NMI	EET SPK

Client Sample ID: DP3-15N-0-2
Date Collected: 02/26/24 11:33
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-34
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			46042	02/28/24 13:38	MRV	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

Client Sample ID: DP3-15N-0-2
Lab Sample ID: 590-23437-34
Date Collected: 02/26/24 11:33
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.52 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 18:37	NMI	EET SPK

Client Sample ID: DP14-15N-0-2
Lab Sample ID: 590-23437-39
Date Collected: 02/26/24 12:59
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP14-15N-0-2
Lab Sample ID: 590-23437-39
Date Collected: 02/26/24 12:59
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.65 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 18:58	NMI	EET SPK

Client Sample ID: DP14-15E-0-2
Lab Sample ID: 590-23437-41
Date Collected: 02/26/24 13:15
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP14-15E-0-2
Lab Sample ID: 590-23437-41
Date Collected: 02/26/24 13:15
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.41 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 19:19	NMI	EET SPK

Client Sample ID: DP14-15W-0-2
Lab Sample ID: 590-23437-42
Date Collected: 02/26/24 12:25
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

Client Sample ID: DP14-15W-0-2

Lab Sample ID: 590-23437-42
Date Collected: 02/26/24 12:25
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.12 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		10	1 mL	1 mL	46207	03/12/24 10:34	NMI	EET SPK

Client Sample ID: DP14-15S-0-2

Lab Sample ID: 590-23437-43
Date Collected: 02/26/24 12:40
Matrix: Solid
Date Received: 02/27/24 16:35

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			46042	02/28/24 13:54	MRV	EET SPK

Client Sample ID: DP14-15S-0-2

Lab Sample ID: 590-23437-43
Date Collected: 02/26/24 12:40
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.65 g	5 mL	46204	03/11/24 09:55	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46207	03/11/24 20:02	NMI	EET SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

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	01-07-25

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
8082A	3550C	Solid	PCB-1262
8082A	3550C	Solid	PCB-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-2

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3665A	Sulfuric Acid/Permanganate Cleanup	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 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: ~~10/10/24~~ NWTPH-Dx 5 DAY TAT			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:
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~tbhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			

Analysis Requested

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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N			
DP-6-DG-0-2	2-27-24	0708	C	Solid			X	X		
DP-6-DG-2-4	2-27-24	0710	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0718	C	Solid			X	X		
DP-6-DG-2-4	2-27-24	0720	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0728	C	Solid			X	X		
DP-6-DG-0-2	2-27-24	0737	C	Solid			X	X		
DP-6-DG-0-2	2-27-24	0741	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0745	C	Solid						Hold
DP-6-DG-2-4	2-27-24	0749	C	Solid						Hold
DP-6-DG-0-2	2-27-24	0755	C	Solid						Hold
DP-6-DG-2-4	2-27-24	0759		Solid						Hold

590-23437 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Δ Non-Hazard Δ Flammable Δ Skin Irritant Δ Poison B Δ Unknown Δ Radiological	Δ Return To Client Δ Disposal By Lab Δ 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
Morea Schofield	2/27/24 1635	BEI		2/27/24 1635	STA Spokane
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:	3.0 & 3.1 °C IR005

Ver: 06/08/2021

3/12/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: ~~NWTPH-Dx~~ 5 DAY TAT			
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	[redacted], NWTPH_Dx	PCBs EPA Method 8082 A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N				
DP-6-DG-0-2	2.27.24	0808	C	Solid					Hold
DP-6-DG-2-4	2.27.24	0811	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1414	C	Solid		X			
DP-23-DG-0-2	2.26.24	1430	C	Solid		X			
DP-23-DG-0-2	2.26.24	1437	C	Solid		X			
DP-23-DG-0-2	2.26.24	1450	C	Solid		X			
DP-23-DG-2-4	2.26.24	1451	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1455	C	Solid					Hold
DP-23-DG-2-4	2.26.24	1457	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1503	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1515	C	Solid					Hold

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
Morea Schofield	2/27/24 1635	GEI		2/27/24 1635	ESASpokane
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: 3.0c 7.1c IR006

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson	Phone: 425.861.6086	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: ~~NWTPH-Dx 5 DAY TAT~~			
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082 A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	N			
DP-23-DG-2-4	2.26.24	1517	C	Solid					Hold
DP-23-DG-0-2	2.26.24	1525	C	Solid					Hold
DP-23-DG-2-4	2.26.24	1530	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1145	C	Solid					Hold
DP-3-DG-2-4	2.26.24	1143	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1145	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1157	C	Solid					Hold
DP-3-DG-0-2	2.26.24	1203	C	Solid					Had
DP-3-DG-0-2	2.26.24	1110	C	Solid			X		
DP-3-DG-0-2	2.26.24	1120	C	Solid			X		
DP-3-DG-0-2	2.26.24	1127	C	Solid			X	2	

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
Morea Schofield	2.27.24 1635	GE1	[illegible]	2/27/24 1635	CTAsmke
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: 3.0, 3.1 IR06

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:	Analysis Requested		Job #:
Address: 523 East Second Ave	Due Date Requested: ~~NWTPH-Dx~~ 5 DAY TAT			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)
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			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)	NWTPH_Dx	PCBs EPA Method 8082 A	Total Number of containers	Special Instructions/Note
			Preservation Code:		X	N		X	
DP-3-DG-0-2	2.26.24	1133	C	Solid			X		
DP-14-DG-0-2	2.26.24	1327	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1352	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1337	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1403	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1259	C	Solid			X		
DP-14-DG-2-4	2.26.24	1301	C	Solid					Hold
DP-14-DG-0-2	2.26.24	1315	C	Solid			X		
DP-14-DG-0-2	2.26.24	1225	C	Solid			X		
DP-14-DG-0-2	2.26.24	1240	C	Solid			X		
				Solid					

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
Morea Schofield	2.27.24 1635	GEI		2/27/24 1635	GEI Spokane
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:	3.0c 3.1c IR006

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson	Phone: 425-861-6086	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:	Analysis Requested		Job #:
Address: 623 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT			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:
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N		X	
DP-6-DG-0-2	2-27-24	0708	C	Solid			X	X		DP6-15E-0-2
DP-6-DG-2-4	2-27-24	0710	C	Solid						Hold DP6-15E-2-4
DP-6-DG-0-2	2-27-24	0718	C	Solid			X	X		DP6-15N-0-2
DP-6-DG-2-4	2-27-24	0720	C	Solid						Hold DP6-15N-2-4
DP-6-DG-0-2	2-27-24	0728	C	Solid			X	X		DP6-15W-0-2
DP-6-DG-0-2	2-27-24	0737	C	Solid			X	X		DP6-15S-0-2
DP-6-DG-0-2	2-27-24	0741	C	Solid						Hold DP6-30S-0-2
DP-6-DG-0-2	2-27-24	0745	C	Solid						Hold DP6-30E-0-2
DP-6-DG-2-4	2-27-24	0749	C	Solid						Hold DP6-30E-2-4
DP-6-DG-0-2	2-27-24	0755	C	Solid						Hold DP6-30N-0-2
DP-6-DG-2-4	2-27-24	0759		Solid						Hold DP6-30N-2-4

Requested Sample ID changes for lab report - SJB,3/1/24

Special Instructions/Note:

590-23437 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
Morea Schofield	2/27/24 1635	GE		2/27/24 1635	STA Spokane
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:	Ver: 06/08/2021
		3.0 i 3.1 i IR06c	

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT	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)
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082 A	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
DP-6-DG-0-2	2.27.24	0808	C	Solid					Hold DP6-30W-0-2
DP-6-DG-2-4	2.27.24	0811	C	Solid					Hold DP6-30W-2-4
DP-23-DG-0-2	2.26.24	1414	C	Solid		X			DP23-15W-0-2
DP-23-DG-0-2	2.26.24	1430	C	Solid		X			DP23-15N-0-2
DP-23-DG-0-2	2.26.24	1437	C	Solid		X			DP23-15E-0-2
DP-23-DG-0-2	2.26.24	1450	C	Solid		X			DP23-5S-0-2
DP-23-DG-2-4	2.26.24	1451	C	Solid					Hold DP23-5S-2-4
DP-23-DG-0-2	2.26.24	1455	C	Solid					Hold DP23-30N-0-2
DP-23-DG-2-4	2.26.24	1457	C	Solid					Hold DP23-30N-2-4
DP-23-DG-0-2	2.26.24	1509	C	Solid					Hold DP23-30W-0-2
DP-23-DG-0-2	2.26.24	1515	C	Solid					Hold DP23-30E-0-2

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
Morea Schofield	2/27/24 1635	GEI		2/27/24 1635	GEA Spokane
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: 3.0 2 7.1 c IR006

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Maren Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9865-2729.2
Client Contact: Bryce Hanson Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT	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:
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: bhanson@geoengineers.com sbronson@geo-engineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N		X	
DP-23-DG-2-4	2.26.24	1517	C	Solid					Hold DP23-30E-2-4
DP-23-DG-0-2	2.26.24	1525	C	Solid					Hold DP23-35S-0-2
DP-23-DG-2-4	2.26.24	1530	C	Solid					Hold DP23-35S-2-4
DP-3-DG-0-2	2.26.24	1148	C	Solid					Hold DP3-30N-0-2
DP-3-DG-2-4	2.26.24	1143	C	Solid					Hold DP3-30N-2-4
DP-3-DG-0-2	2.26.24	1145	C	Solid					Hold DP3-30E-0-2
DP-3-DG-0-2	2.26.24	1157	C	Solid					Hold DP3-30S-0-2
DP-3-DG-0-2	2.26.24	1203	C	Solid					Hold DP3-30W-0-2
DP-3-DG-0-2	2.26.24	1110	C	Solid			X		DP3-15S-0-2
DP-3-DG-0-2	2.26.24	1120	C	Solid			X		DP3-15W-0-2
DP-3-DG-0-2	2.26.24	1127	C	Solid			X	1	DP3-15E-0-2

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
Maren Schofield	2.27.24 1635	GE1	[illegible]	2/27/24 1635	[illegible]
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: 3.0, 3.2 IR06

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Marea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9865-2729.2
Client Contact: Bryce Hanson Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:	Analysis Requested		Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT			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 4-6, Y Trizma, Z other (specify), Other:
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: bhanson@geoengineers.com sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note
			Preservation Code:			N			
DP-3-DG-0-2	2.26.24	1135	C	Solid			X		DP3-15N-0-2
DP-14-DG-0-2	2.26.24	1327	C	Solid					Hold DP14-30N-0-2
DP-14-DG-0-2	2.26.24	1352	C	Solid					Hold DP14-30S-0-2
DP-14-DG-0-2	2.26.24	1337	C	Solid					Hold DP14-30W-0-2
DP-14-DG-0-2	2.26.24	1403	C	Solid					Hold DP14-30E-0-2
DP-14-DG-0-2	2.26.24	1259	C	Solid			X		DP14-15N-0-2
DP-14-DG-2-4	2.26.24	1301	C	Solid					Hold DP14-15N-2-4
DP-14-DG-0-2	2.26.24	1315	C	Solid			X		DP14-15E-0-2
DP-14-DG-0-2	2.26.24	1225	C	Solid			X		DP14-15W-0-2
DP-14-DG-0-2	2.26.24	1240	C	Solid			X		DP14-15S-0-2
				Solid					

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
Marea Schofield	2.27.24 1635	GEI		2/27/24 1635	GEI Spokane
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:	3.0c 3.1c IR006

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-23437-2

Login Number: 23437
List Number: 1
Creator: Morris, Mackenzie 1

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sydney Bronson
GeoEngineers Inc
1101 Fawcett, Suite 200
Tacoma, Washington 98402

Generated 3/28/2024 3:25:39 PM

JOB DESCRIPTION

Ecology Stubblefield

JOB NUMBER

590-23437-4

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

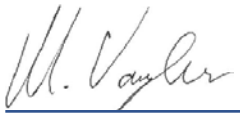
See page two for job notes and contact information.

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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Authorized for release by
Madison Vaughan, Analyst I
Madison.Vaughan@et.eurofinsus.com
Designee for
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job Narrative
590-23437-4

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/27/2024 4:35 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 3.1°C.

Receipt Exceptions
The following sample was activated by the client on 03/05/24: DP6-30W-0-2 (590-23437-12).

The following samples were activated for 8082A PCBs by the client on 03/14/24: DP6-30E-0-2 (590-23437-8), DP6-30W-0-2 (590-23437-12) and DP3-30E-0-2 (590-23437-28).

The following sample was activated for NWTPH-Dx outside the method holding time by the client on 03/14/24: DP6-30W-2-4 (590-23437-13).

GC Semi VOA
Method NWTPH_Dx: The following sample was added after the holding time expired: DP6-30W-2-4 (590-23437-13).

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

PCBs
Method 8082A: Surrogate recovery for the following sample was outside control limits: DP3-30E-0-2 (590-23437-28). Evidence of matrix interference due to high target analytes 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.

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

Sample Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-23437-8	DP6-30E-0-2	Solid	02/27/24 07:45	02/27/24 16:35
590-23437-12	DP6-30W-0-2	Solid	02/27/24 08:08	02/27/24 16:35
590-23437-13	DP6-30W-2-4	Solid	02/27/24 08:11	02/27/24 16:35
590-23437-28	DP3-30E-0-2	Solid	02/26/24 11:45	02/27/24 16:35

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-4

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
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.
S1+	Surrogate recovery exceeds control limits, high biased.

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: DP6-30E-0-2

Lab Sample ID: 590-23437-8

Date Collected: 02/27/24 07:45
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 77.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1221	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1232	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1242	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1248	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1254	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1260	**45**		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1268	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1
PCB-1262	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*37 - 126*	*03/27/24 08:57*	*03/27/24 18:21*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*32 - 150*	*03/27/24 08:57*	*03/27/24 18:21*	*1*

Client Sample ID: DP6-30W-0-2

Lab Sample ID: 590-23437-12

Date Collected: 02/27/24 08:08
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 81.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1
PCB-1221	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1
PCB-1232	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1
PCB-1242	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1
PCB-1248	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1
PCB-1254	**17000**		1200	270	ug/Kg	☼	03/27/24 08:57	03/28/24 13:38	100
PCB-1260	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1
PCB-1268	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1
PCB-1262	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*59*		*37 - 126*	*03/27/24 08:57*	*03/27/24 19:04*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*32 - 150*	*03/27/24 08:57*	*03/27/24 19:04*	*1*

Client Sample ID: DP6-30W-2-4

Lab Sample ID: 590-23437-13

Date Collected: 02/27/24 08:11
Matrix: Solid
Date Received: 02/27/24 16:35
Percent Solids: 70.0

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	H	14	5.9	mg/Kg	☼	03/15/24 08:03	03/20/24 12:17	1
Residual Range Organics (RRO) (C25-C36)	**7.9**	**J H**	35	7.0	mg/Kg	☼	03/15/24 08:03	03/20/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*03/15/24 08:03*	*03/20/24 12:17*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*03/15/24 08:03*	*03/20/24 12:17*	*1*

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-4

Client Sample ID: DP3-30E-0-2

Date Collected: 02/26/24 11:45
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-28

Matrix: Solid
Percent Solids: 80.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1
PCB-1221	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1
PCB-1232	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1
PCB-1242	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1
PCB-1248	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1
PCB-1254	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1
PCB-1260	**39000**		1200	270	ug/Kg	☼	03/27/24 08:57	03/28/24 13:59	100
PCB-1268	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1
PCB-1262	ND		12	2.7	ug/Kg	☼	03/27/24 08:57	03/27/24 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*37 - 126*	*03/27/24 08:57*	*03/27/24 18:43*	*1*
DCB Decachlorobiphenyl (Surr)	*242*	*S1+*	*32 - 150*	*03/27/24 08:57*	*03/27/24 18:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 590-46475/1-A
Matrix: Solid
Analysis Batch: 46488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46475

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1221	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1232	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1242	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1248	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1254	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1260	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1268	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1
PCB-1262	ND		10	2.2	ug/Kg		03/27/24 08:57	03/27/24 14:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*37 - 126*	*03/27/24 08:57*	*03/27/24 14:49*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*32 - 150*	*03/27/24 08:57*	*03/27/24 14:49*	*1*

Lab Sample ID: LCS 590-46475/2-A
Matrix: Solid
Analysis Batch: 46488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46475

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			66.7	56.5		ug/Kg		85	67 - 120		
PCB-1260			66.7	61.7		ug/Kg		93	58 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*37 - 126*
DCB Decachlorobiphenyl (Surr)	*105*		*32 - 150*

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-4

Client Sample ID: DP6-30E-0-2
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-8
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			46276	03/14/24 10:15	AMB	EET SPK

Client Sample ID: DP6-30E-0-2
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-8
Matrix: Solid
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.72 g	5 mL	46475	03/27/24 08:57	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46488	03/27/24 18:21	NMI	EET SPK

Client Sample ID: DP6-30W-0-2
Date Collected: 02/27/24 08:08
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-12
Matrix: Solid
Percent Solids: 81.1

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	5 mL	46475	03/27/24 08:57	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46488	03/27/24 19:04	NMI	EET SPK
Total/NA	Prep	3550C			15.36 g	5 mL	46475	03/27/24 08:57	MRV	EET SPK
Total/NA	Analysis	8082A		100	1 mL	1 mL	46488	03/28/24 13:38	NMI	EET SPK

Client Sample ID: DP6-30W-2-4
Date Collected: 02/27/24 08:11
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-13
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			46276	03/14/24 10:15	AMB	EET SPK

Client Sample ID: DP6-30W-2-4
Date Collected: 02/27/24 08:11
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-13
Matrix: Solid
Percent Solids: 70.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.28 g	5 mL	46294	03/15/24 08:03	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	46345	03/20/24 12:17	MRV	EET SPK

Client Sample ID: DP3-30E-0-2
Date Collected: 02/26/24 11:45
Date Received: 02/27/24 16:35

Lab Sample ID: 590-23437-28
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			46276	03/14/24 10:15	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-23437-4
Project/Site: Ecology Stubblefield

Client Sample ID: DP3-30E-0-2
Lab Sample ID: 590-23437-28

Date Collected: 02/26/24 11:45
Matrix: Solid

Date Received: 02/27/24 16:35
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.33 g	5 mL	46475	03/27/24 08:57	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	46488	03/27/24 18:43	NMI	EET SPK
Total/NA	Prep	3550C			15.33 g	5 mL	46475	03/27/24 08:57	MRV	EET SPK
Total/NA	Analysis	8082A		100	1 mL	1 mL	46488	03/28/24 13:59	NMI	EET SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: GeoEngineers Inc
Job ID: 590-23437-4
Project/Site: Ecology Stubblefield

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	01-07-25

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
8082A	3550C	Solid	PCB-1262
8082A	3550C	Solid	PCB-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-23437-4

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3665A	Sulfuric Acid/Permanganate Cleanup	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 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson	Phone: 425-861-6086	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 623 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT			
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			

Analysis Requested

Preservation Codes
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Anchlor, 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)	Preservation Code:	X	X	N	Special Instructions/Note:
						NWTPH_Dx	PCBs EPA Method 8082 A		Requested Sample ID changes for lab report - SJB,3/1/24
DP-6-DG-0-2	2-27-24	0708	C	Solid		X	X		DP6-15E-0-2
DP-6-DG-2-4	2-27-24	0710	C	Solid					Hold DP6-15E-2-4
DP-6-DG-0-2	2-27-24	0718	C	Solid		X	X		DP6-15N-0-2
DP-6-DG-2-4	2-27-24	0720	C	Solid					Hold DP6-15N-2-4
DP-6-DG-0-2	2-27-24	0728	C	Solid		X	X		DP6-15W-0-2
DP-6-DG-0-2	2-27-24	0737	C	Solid		X	X		DP6-15S-0-2
DP-6-DG-0-2	2-27-24	0741	C	Solid					Hold DP6-30S-0-2
DP-6-DG-0-2	2-27-24	0745	C	Solid					Hold DP6-30E-0-2
DP-6-DG-2-4	2-27-24	0749	C	Solid					Hold DP6-30E-2-4
DP-6-DG-0-2	2-27-24	0755	C	Solid					Hold DP6-30N-0-2
DP-6-DG-2-4	2-27-24	0759		Solid					Hold DP6-30N-2-4

590-23437 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
Morea Schofield	2/27/24 1635	GE		2/27/24 1635	Eurofins
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:	3.0 & 3.1 °C IR005

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9665-2729.2
Client Contact: ~~Bryce Hanson~~ Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT	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)
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: ~~bhanson@geoengineers.com~~ Sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
DP-6-DG-0-2	2.27.24	0808	C	Solid					Hold DP6-30W-0-2
DP-6-DG-2-4	2.27.24	0811	C	Solid					Hold DP6-30W-2-4
DP-23-DG-0-2	2.26.24	1414	C	Solid		X			DP23-15W-0-2
DP-23-DG-0-2	2.26.24	1430	C	Solid		X			DP23-15N-0-2
DP-23-DG-0-2	2.26.24	1437	C	Solid		X			DP23-15E-0-2
DP-23-DG-0-2	2.26.24	1450	C	Solid		X			DP23-5S-0-2
DP-23-DG-2-4	2.26.24	1451	C	Solid					Hold DP23-5S-2-4
DP-23-DG-0-2	2.26.24	1455	C	Solid					Hold DP23-30N-0-2
DP-23-DG-2-4	2.26.24	1457	C	Solid					Hold DP23-30N-2-4
DP-23-DG-0-2	2.26.24	1509	C	Solid					Hold DP23-30W-0-2
DP-23-DG-0-2	2.26.24	1515	C	Solid					Hold DP23-30E-0-2

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
Morea Schofield	2/27/24 1635	GEI		2/27/24 1635	GEA Spokane
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: 3.0 2 1c IR006

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Morea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9865-2729.2
Client Contact: Bryce Hanson Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT			
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: bhanson@geoengineers.com sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	N	X	
DP-23-DG-2-4	2.26.24	1517	C	Solid					Hold DP23-30E-2-4
DP-23-DG-0-2	2.26.24	1525	C	Solid					Hold DP23-35S-0-2
DP-23-DG-2-4	2.26.24	1530	C	Solid					Hold DP23-35S-2-4
DP-3-DG-0-2	2.26.24	1148	C	Solid					Hold DP3-30N-0-2
DP-3-DG-2-4	2.26.24	1143	C	Solid					Hold DP3-30N-2-4
DP-3-DG-0-2	2.26.24	1145	C	Solid					Hold DP3-30E-0-2
DP-3-DG-0-2	2.26.24	1157	C	Solid					Hold DP3-30S-0-2
DP-3-DG-0-2	2.26.24	1203	C	Solid					Hold DP3-30W-0-2
DP-3-DG-0-2	2.26.24	1110	C	Solid			X		DP3-15S-0-2
DP-3-DG-0-2	2.26.24	1120	C	Solid			X		DP3-15W-0-2
DP-3-DG-0-2	2.26.24	1127	C	Solid			X	1	DP3-15E-0-2

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
Morea Schofield	2.27.24 1635	GE1	[illegible]	2/27/24 1635	[illegible]
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: 3.0, 3.2 IR06

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Marea Schofield	Lab PM:	Carrier Tracking No(s):	COC No: 590-9865-2729.2
Client Contact: Bryce Hanson Sydney Bronson 425.861.6086	Phone:	E-Mail:	State of Origin:	Page: Page 2 of 4
Company: GeoEngineers Inc	PWSID:			Job #:
Address: 523 East Second Ave	Due Date Requested: NWTPH-Dx 5 DAY TAT			
City: Spokane	TAT Requested (days): PCBs STAT			
State, Zip: WA, 99202	Compliance Project: Δ Yes Δ No			
Phone: 509.209.2825	PO #:			
Email: bhanson@geoengineers.com sbronson@geoengineers.com	WO #:			
Project Name: Ecology Stubblefield	Project #: 0504-132-01			
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)	NWTPH_Dx	PCBs EPA Method 8082A	Total Number of containers	Special Instructions/Note
	Preservation Code:				X	N		X	
DP-3-DG-0-2	2.26.24	1135	C	Solid			X		DP3-15N-0-2
DP-14-DG-0-2	2.26.24	1327	C	Solid					Hold DP14-30N-0-2
DP-14-DG-0-2	2.26.24	1352	C	Solid					Hold DP14-30S-0-2
DP-14-DG-0-2	2.26.24	1337	C	Solid					Hold DP14-30W-0-2
DP-14-DG-0-2	2.26.24	1403	C	Solid					Hold DP14-30E-0-2
DP-14-DG-0-2	2.26.24	1259	C	Solid			X		DP14-15N-0-2
DP-14-DG-2-4	2.26.24	1301	C	Solid					Hold DP14-15N-2-4
DP-14-DG-0-2	2.26.24	1315	C	Solid			X		DP14-15E-0-2
DP-14-DG-0-2	2.26.24	1225	C	Solid			X		DP14-15W-0-2
DP-14-DG-0-2	2.26.24	1240	C	Solid			X		DP14-15S-0-2
				Solid					

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
Marea Schofield	2.27.24 1635	GEI		2/27/24 1635	GEI Spokane
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:	3.0c 3.1c IR06

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-23437-4

Login Number: 23437
List Number: 1
Creator: Morris, Mackenzie 1

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	

Appendix B

DP-6 Sampling and Remedial Excavation Memorandum Related to Utility Trenching

GeoEngineers

523 East Second Avenue, Spokane, Washington 99202, Telephone: 509.363.3125 www.geoengineers.com

Memorandum

To:	Sandra Treccani, Katie Larimer, PE and Jim Petersen, PE Washington State Department of Ecology, Toxics Cleanup Program
From:	Sydney J. Bronson, PE and Scott H. Lathen, PE
Date:	April 16, 2025
File:	0504-139-01
Subject:	DP-6 Sampling and Remedial Excavation Related to Utility Trenching Stubblefield Salvage Yard, Walla Walla, Washington

Introduction and Background

This memorandum summarizes soil sampling and remedial excavation completed at the Stubblefield Salvage Yard Project site (Site; CSID No. 4121) located at 595 Offner Road in Walla Walla, Washington. Soil contaminated with diesel-range petroleum hydrocarbons (DRPH) and/or polychlorinated biphenyls (PCBs) was identified in four borings at the Site during the Remedial Investigation (RI) (GEI 2020): DP-3, DP-6, DP-14 and DP-23 (Figure 1). Remedial excavation with off-site disposal was selected as the cleanup remedy for these areas as described in the Draft Cleanup Action Plan (DCAP) (Ecology 2025). This memorandum describes soil sampling and contaminated soil excavation completed near one of the four contaminated explorations, DP-6, prior to the larger planned cleanup action at the Site. Soil sampling and excavation results described herein will be incorporated into the Engineering Design Report (EDR).

DRPH and PCBs were identified in a soil sample collected from boring DP-6 at concentrations greater than the Site cleanup levels. The same contaminants were also identified in soil samples collected from three subsequent exploration locations (DP6-15E, DP6-15W and DP6-30W) surrounding DP-6 during a Data Gaps Investigation (GEI 2024b). Boring DP-6 and the data gap soil sample locations are shown in Figure 1.

The property owner, who intends to redevelop the Site, installed sewer and water utilities along the approximate southern boundary of the property in October 2024. The utility trench excavation overlapped the planned contaminated soil excavation area associated with DP-6 and the data gap soil samples (Figure 2). Additional soil sampling, as described below, was completed near DP-6 prior to the utility trench excavation so that contaminated soil could be removed and stockpiled on site prior to the installation of permanent utilities. Site contaminants are typically confined to shallow soil above the upper 2 or 3 feet below ground surface (bgs) based on the RI, and subsequent data gaps soil sampling efforts (EDR Appendix A).

Soil Sampling and Chemical Analytical Results

Soil sampling activities completed near DP-6 prior to the utility trench excavation are summarized below along with the chemical analytical results.

SOIL SAMPLING

GeoEngineers and Washington State Department of Ecology (Ecology) staff jointly collected discrete soil samples from 12 locations (SW1 through SW8 and B1 through B4) near DP-6 on August 27, 2024 in

preparation for the planned utility trench excavation, as shown on Figure 2. Soil samples were collected at depths of 1.5 feet and 3 feet bgs from each sample location, except locations SW2 and SW4 where 3 feet bgs samples were not collected due to refusal.

Soil samples were collected using hand tools, including a hand auger, shovel and a drill equipped with an auger bit. Soil samples were field screened and classified using the Unified Soil Classification System (USCS). In general, soil types encountered included approximately 6 to 12 inches of silty gravel fill above silt with occasional debris (various, including plastic and metal). Soil sample locations were backfilled with the removed soil.

Reusable soil sampling equipment was decontaminated between soil samples in accordance with the SAP (GEI 2024a and 2024b). Soil samples were collected using a clean pair of nitrile gloves and placed in laboratory provided containers for chemical analysis. Soil sample containers were stored in a cooler with ice prior to and during transport to Eurofins Environment Testing (Eurofins) in Spokane Valley, Washington where samples were submitted for chemical analysis, as described below, under standard chain-of-custody protocols.

CHEMICAL ANALYTICAL RESULTS

Soil samples were submitted to Eurofins for chemical analysis of DRPH and PCBs using Northwest Method NWTPH-Dx and U.S. Environmental Protection Agency (EPA) Method 8082A, respectively. Chemical analytical results are summarized in Table 1 and described below. Data was compared to the Site cleanup levels established in the DCAP, which for DRPH and PCBs are the Model Toxics Control Act (MTCA) Method A cleanup levels for unrestricted land use (2,000 milligrams per kilogram [mg/kg] and 1,000 micrograms per kilogram [µg/kg], respectively).

- DRPH and PCB concentrations (2,740 mg/kg and 8,000 µg/kg, respectively) exceeded the Site cleanup levels in one soil sample collected at location SW2 at 1.5 feet bgs located northwest of DP-6 (Figure 2).
- The remaining samples had concentrations of DRPH and PCBs that were either not detected greater than the laboratory method detection limit (MDL) or were detected at concentrations exceeding the MDL but less than the Site cleanup levels.

The chemical analytical laboratory report is provided in Attachment A. All soil sample results surrounding DP-6 from the RI (2018) through the sampling described herein (2024) are summarized in Table 1 and presented on Figure 2.

DATA QUALITY

A data quality review was performed on the soil chemical analytical results. Based on our review of the chemical analytical results and associated qualifiers discussed below, it is our opinion that the analytical data (Attachment A) is of acceptable quality for their intended use in this report.

- For sample DP6-SW2-1.5 (the sample that exceeded the Site cleanup levels) the surrogate recovery exceeded control limits for NWTPH-Dx due to the presence of high target analytes. For that same sample, dilution for Method 8082A was required due to the nature of the sample matrix.

- Multiple PCB aroclors were present in the following samples with insufficient separation to quantify individually: DP6-B4-3, DP6-SW1-1.5, DP6-SW1-3, DP6-SW3-1.5, DP6-SW3-3 and DP6-SW4-1.5.

Remedial Excavation and Contaminated Soil Stockpiling

A remedial excavation to remove contaminated soil north of DP-6 prior to the utility trench installation was completed by the property owner's contractor and overseen by Ecology on September 12, 2024. Soil was excavated from an approximate 10-foot by 10-foot area surrounding sample location SW2 where DRPH and PCBs exceeded Site cleanup levels at a depth of 1.5 feet bgs. Although a base sample was not collected at this location due to refusal, the remedial excavation was extended to about 3 feet bgs, consistent with surrounding sample results which indicate contaminants are generally present above 3 feet bgs. Excavated soil (approximately 11 cubic yards [cy]) was stockpiled on site to the northwest of the DP-6 Area as indicated on Figure 2. The stockpile was covered with a tarp weighted down with sandbags and surrounded with straw waddles.

Contaminated soil within 2 feet of ground surface as represented by soil samples from exploration locations DP-6-15E, DP-6, DP-6-15W, and DP-6-30W were left in place due to their close proximity to the utility trench.

Recommendations for Cleanup Action

The following areas associated with boring location DP-6 are recommended for cleanup, and should be incorporated into the EDR, based on the results of the soil sampling and excavation activities described herein.

1. Stockpiled DRPH- and PCB-contaminated soil which was excavated surrounding soil sample location SW2 should be removed and disposed off-site at a Subtitle D landfill (approximately 11 cy). Confirmation soil samples should be collected at the base of the stockpile to confirm DRPH- and PCBs-contaminated soil has been removed.
2. Soil surrounding exploration locations DP-6, DP6-15W, DP6-30W and DP6-15E where soil samples collected from ground surface to 2 feet bgs had concentrations of DRPH and/or PCBs above the Site cleanup levels (Figure 3 and Table 1) will be left in place immediately adjacent to the new utility corridor. Contaminated soil left in place will be documented so that it can be managed appropriately when the area is disturbed in the future.

References

GeoEngineers, Inc. (GEI) 2020. Remedial Investigation/Feasibility Study Revision 1, Stubblefield, 595 Offner Road, Walla Walla, Washington prepared for the Washington State Department of Ecology dated August 5, 2020.

GEI 2024a. Sampling Analysis Plan, Stubblefield, 595 Offner Road, Walla Walla, Washington prepared for the Washington State Department of Ecology dated February 15, 2024.

GEI 2024b. Stubblefield Salvage Yard, Walla Walla, Washington, 2024 Data Gaps Investigation Results, prepared for the Washington State Department of Ecology dated May 10, 2024.

GEI 2024c. Property Development Excavation – Soil Sampling and Analysis Plan, Stubblefield Salvage Yard CSID No. 4121 Environmental Cleanup prepared for the Washington State Department of Ecology dated August 23, 2024.

Washington State Department of Ecology (Ecology) 2025. Cleanup Action Plan, Stubblefield Salvage Yard, 595 Offner Road, Walla Walla, Facility ID 1367331, Cleanup Site ID 4121 dated January 2025.

Attachments:

Table 1. DP-6 Area Soil Chemical Analytical Results (2018 to 2024)

Figure 1. Site Plan: Pre-existing Conditions

Figure 2. DP-6 Area Soil Sample Locations Prior to Excavation

Figure 3. Post-Utility Trench Excavation Conditions

Attachment A. Soil Chemical Analytical Data Package, Eurofins

Table 1

DP-6 Area Soil Chemical Analytical Results (2018 to 2024)

Stubblefield Salvage Yard

Walla Walla, Washington

Location ID[1]	Sample ID	Sample Date	Investigation-Phase for Soil Sampling	Approximate Sample Depth (feet bgs)	Estimated Post Utility-Trench Excavation Soil Sample Location[2]	Diesel and Oil-range Petroleum Hydrocarbons (mg/kg)[3]		Total PCBs (µg/kg)[4]
						Diesel-Range Organics	Residual-Range Organics	
MTCA Method A Cleanup Level for Unrestricted Land Use[5]						**2,000**		**1,000**
DP-6	DP-6 (0.0-2.0)	11/27/2018	Remedial Investigation	0-2	In-Situ/Adjacent to Utility Corridor	**507 J**	**833 J**	**5,300**
	DP-6 (3.0-5.0)	11/27/2018		3-5	In-Situ/Adjacent to Utility Corridor	**4.8 J**	**14.1**	ND
DP6-15N	DP6-15N-0-2	2/27/2024	Data Gaps Investigation	0-2	In-Situ	**6.3 J**	**17 J**	**180**
DP6-15E	DP6-15E-0-2	2/27/2024		0-2	In-Situ/Adjacent to Utility Corridor	**110 J**	**310**	**1,800**
DP6-30E	DP6-30E-0-2	2/27/2024		0-2	In-Situ/Adjacent to Utility Corridor	--	--	**45**
DP6-15S	DP6-15S-0-2	2/27/2024		0-2	Removed	**73**	**240**	**710**
DP6-15W	DP6-15W-0-2	2/27/2024		0-2	In-Situ/Adjacent to Utility Corridor	**1,100**	**1,400**	**3,400**
DP6-30W	DP6-30W-0-2	2/27/2024		0-2	In-Situ/Adjacent to Utility Corridor	**6,300**	**7,600**	**17,000**
	DP6-30W-2-4	2/27/2024		2-4	In-Situ/Adjacent to Utility Corridor	14 U	**7.9 J**	--
B1	DP6-B1-1.5	8/27/2024	Pre-Utility Trench Excavation	1.5	Removed	4.5 U	**11 J**	**4.8 J**
	DP6-B1-3	8/27/2024		3.0	Removed	5.2 U	6.2 U	**3.9 J**
B2	DP6-B2-1.5	8/27/2024		1.5	Removed	4.9 U	5.8 U	**5.8 J**
	DP6-B2-3	8/27/2024		3.0	Removed	5.3 U	6.3 U	**4.3 J**
B3	DP6-B3-1.5	8/27/2024		1.5	Removed	4.7 U	**9.6 J**	**3.9 J**
	DP6-B3-3	8/27/2024		3.0	Removed	5.1 U	6.1 U	**3.5 J**
B4	DP6-B4-1.5	8/27/2024		1.5	Removed	4.8 U	**14 J**	**22**
	DP6-B4-3	8/27/2024		3.0	Removed	5.0 U	6.0 U	**10 J**
SW1	DP6-SW1-1.5	8/27/2024		1.5	In-Situ	**120**	**200**	**240**
	DP6-SW1-3	8/27/2024		3.0	In-Situ	**5.5 J**	**20 J**	**63**
SW2[6]	DP6-SW2-1.5	8/27/2024		1.5	Soil Stockpile	**940**	**1800**	**8,000**

Location ID[1]	Sample ID	Sample Date	Investigation-Phase for Soil Sampling	Approximate Sample Depth (feet bgs)	Estimated Post Utility-Trench Excavation Soil Sample Location[2]	Diesel and Oil-range Petroleum Hydrocarbons (mg/kg)[3]		Total PCBs (µg/kg)[4]
						Diesel-Range Organics	Residual-Range Organics	
MTCA Method A Cleanup Level for Unrestricted Land Use[5]						**2,000**		**1,000**
SW3	DP6-SW3-1.5	8/27/2024	Pre-Utility Trench Excavation (continued)	1.5	In-Situ	**53**	**180**	**590**
	DP6-SW3-3	8/27/2024		3.0	In-Situ	**10 J**	**36**	**160**
SW4[6]	DP6-SW4-1.5	8/27/2024		1.5	In-Situ	**9.2 J**	**31**	**72**
SW5	DP6-SW5-1.5	8/27/2024		1.5	Removed	4.7 U	**6.2 J**	**5.7 J**
	DP6-SW5-3	8/27/2024		3.0	Removed	4.7 U	**5.7 J**	**45**
SW6	DP6-SW6-1.5	8/27/2024		1.5	Removed	4.6 U	**18 J**	**2.4 J**
	DP6-SW6-3	8/27/2024		3.0	Removed	4.7 U	5.6 U	ND
SW7	DP6-SW7-1.5	8/27/2024		1.5	Removed	**14**	**20 J**	**3.9 J**
	DP6-SW7-3	8/27/2024		3.0	Removed	5.1 U	6.0 U	ND
SW8	DP6-SW8-1.5	8/27/2024		1.5	Removed	4.7 U	**13 J**	**4.8 J**
	DP6-SW8-3	8/27/2024		3.0	Removed	4.9 U	5.8 U	ND

Notes:

[1] Sample locations are shown on DP-6 Area Soil Sample Locations Prior to Utility Trench Excavation, Figure 2.

[2] Refer to Figure 3 for post-utility trench excavation site features. Removed indicates soil sample was excavated as part of the utility trench excavation.

[3] Diesel-range and residual-range hydrocarbons analyzed by NorthwestMethod NWTPH-Dx at Eurofins Environment Testing in Spokane, Washington.

[4] Polychlorinated biphenyls (PCBs) analyzed by U.S. Environmental Protection Agency (EPA) Method 8082A at Eurofins Environment Testing in Spokane, Washington.

[5] Cleanup levels were established in the Cleanup Action Plan.

[6] A sample was not collected at three feet bgs from this location due to refusal.

bgs = below ground surface; mg/kg = milligrams per kilogram; µg/kg = micrograms per kilogram

U = analyte was not detected above the method detection limit (MDL)

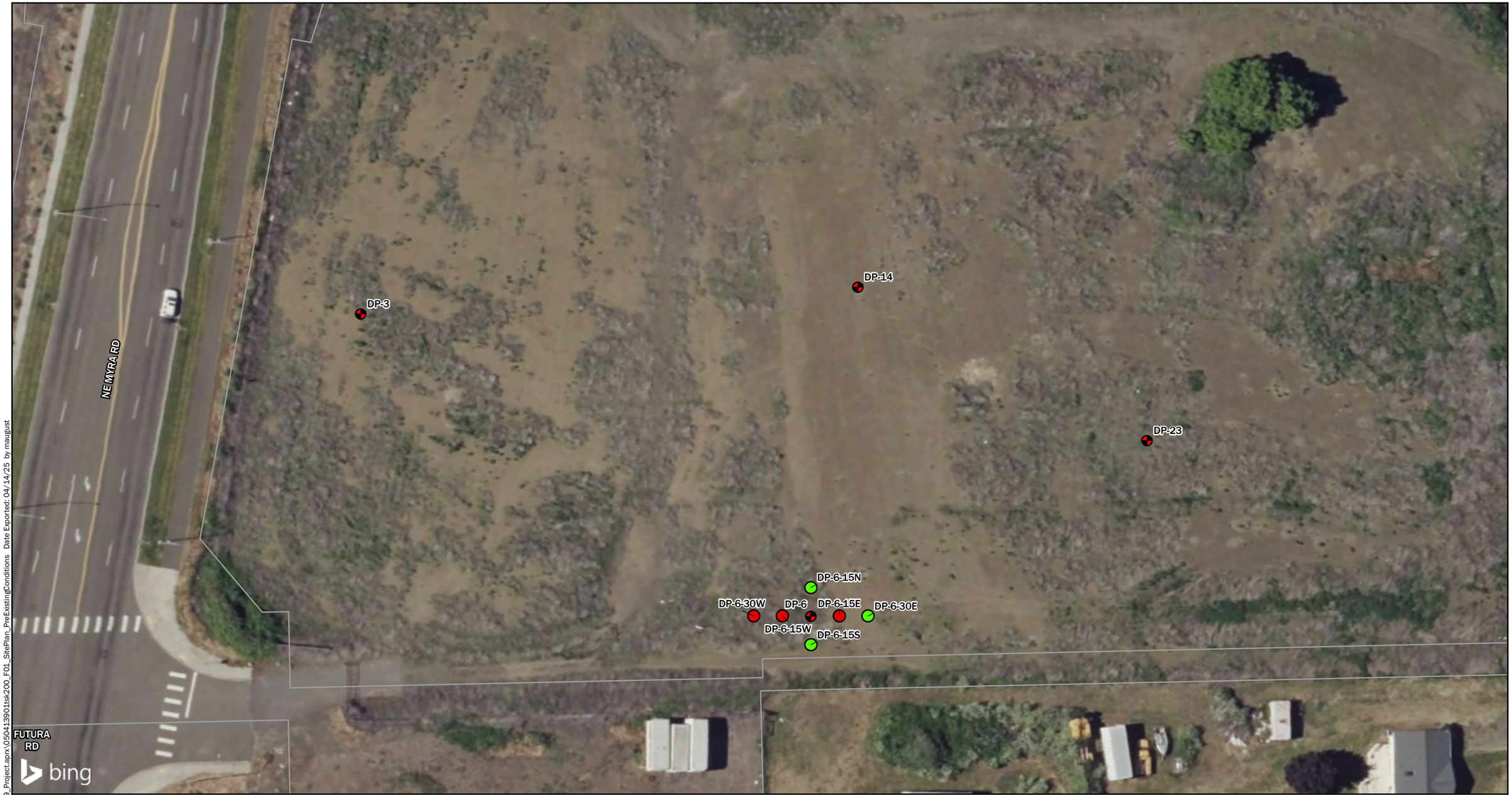
J = result is less than the reporting limit but greater than or equal to the MDL. Concentration is an approximate value.

ND = All PCB arochlors were not detected above the MDL.

-- = not analyzed

Bold indicates analyte was detected above the MDL.

Shading indicates analyte was detected at a concentration greater than the cleanup level.



Notes:
1. DRPH = diesel-range petroleum hydrocarbons (CUL = 2,000 mg/kg)
PCBs = polychlorinated biphenyls (CUL = 1,000 ug/kg)
CUL = cleanup level
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram

Source(s): Bing Maps.

Coordinate System: NAD 1983 StatePlane Washington South FIPS 4602 Feet

Legend

- Former RI Boring Location with Soil Sample Concentrations of DRPH and/or PCBs greater than Site CULs.
- Data Gaps Exploration Location with Soil Sample Concentrations of DRPH and/ or PCBs less than Site CULs
- Data Gaps Exploration Location with Soil Sample Concentrations of DRPH and/ or PCBs greater than Site CULs

N

0 50
Feet

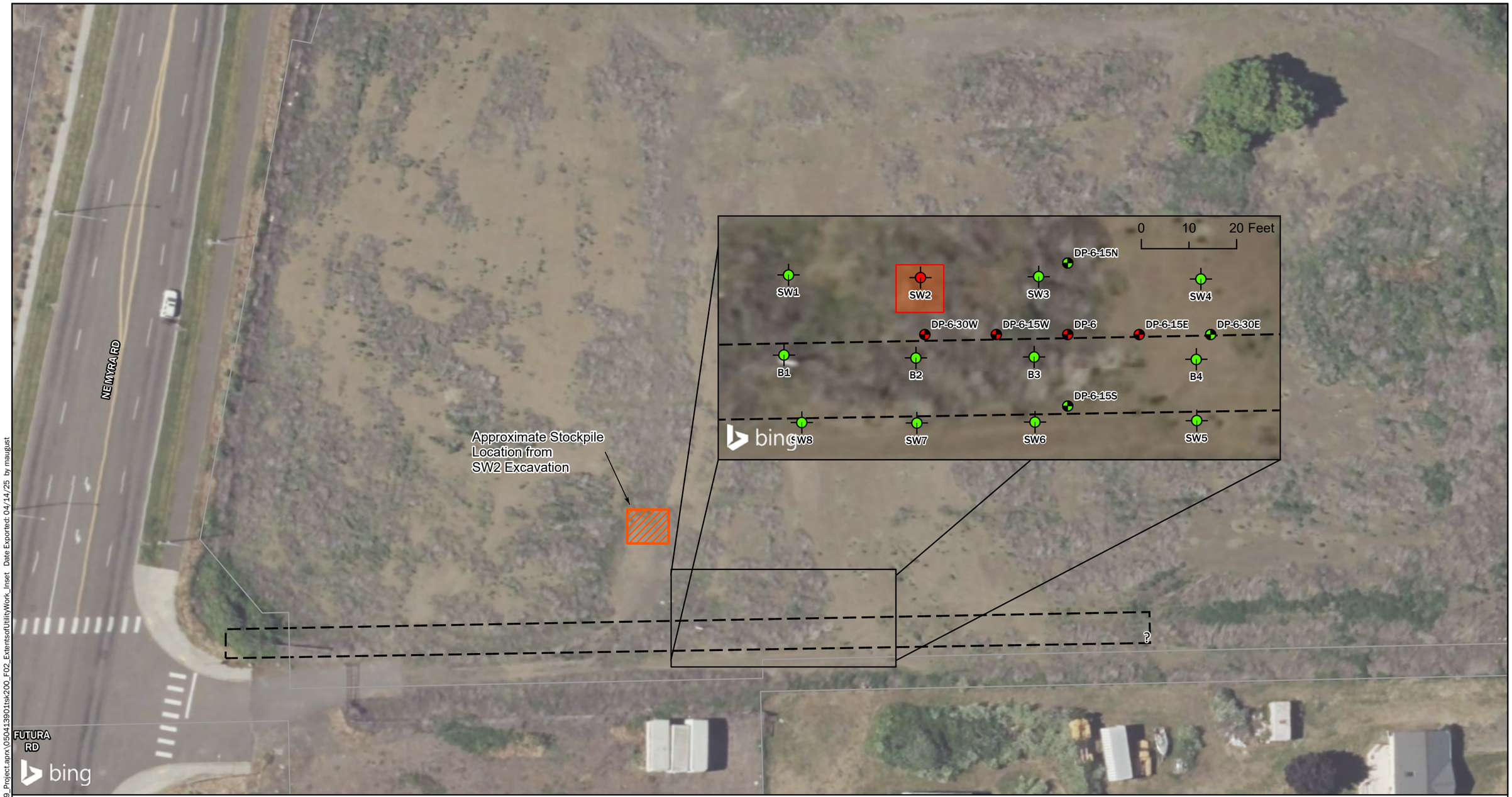
Site Plan: Pre-existing Conditions

Stubblefield Salvage Yard
Walla Walla, Washington

GeoEngineers

Figure 1

P:\0\0504139\GIS\0504139_Project\0504139_Project.aprx\0504139001tsk200_F01_SitePlan_PreExistingConditions Date Exported: 04/14/25 by maugust



Notes:

1. The utility trench excavation area was estimated from a photo provided to Ecology by Konen on 7/16/24 and is approximate.

Source(s): Bing Maps.

Coordinate System: NAD 1983 StatePlane Washington South FIPS 4602 Feet

Legend

- Approximate Area of Utility Trench Excavation
- Excavated Area

RI or Data Gaps Exploration Location

- Soil Sample Concentrations of DRPH and/or PCBs less than Site CULs
- Soil Sample Concentrations of DRPH and/or PCBs greater than Site CULs

Utility-related Exploration Location

- Soil Sample Concentrations of DRPH and/or PCBs greater than Site CULs
- Soil Sample Concentrations of DRPH and/or PCBs less than Site CULs

N

0 50 Feet

DP-6 Area Soil Sample Locations Prior to Excavation

Stubblefield Salvage Yard
Walla Walla, Washington

GeoEngineers

Figure 2

P:\0\0504139\GIS\0504139_Project\0504139_Project.aprx\0504139_01sk200_F02_ExtentsofUtilityWork_Inset Date Exported: 04/14/25 by maugust

Notes:
1. The utility trench excavation area was estimated from design plan set sheets provided to Ecology by Konen titled 'Futura Road Extension Utility Ext. & Access Rd' by PBS Engineering and Environmental Inc. stamped on June 20, 2024 (sheets 4 and 5).
2. PCBs = polychlorinated biphenyls, CUL = cleanup level, DRPH = diesel-range petroleum hydrocarbons.

Source(s): Bing Maps.

Coordinate System: NAD 1983 StatePlane Washington South FIPS 4602 Feet

Legend

- Exploration Location with Soil Sample Concentrations of DRPH and/or PCBs greater than Site CULs Remaining in Place
- Approximate Area of Utility Trench Excavation
- Contaminated Soil to be Removed and Disposed Off-site

N

0 50

Feet

Post-Utility Trench Excavation Conditions

Stubblefield Salvage Yard
Walla Walla, Washington

GeoEngineers

Figure 3

P:\0\0504139\GIS\0504139_Project\0504139_Project.aprx\050413901tsk200_F03_PostUtility_TrenchExcavationConditions Date Exported: 04/16/25 by maugust

Attachments

Attachment A

Soil Chemical Analytical Data Package, Eurofins

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sydney Bronson
GeoEngineers Inc
1101 Fawcett, Suite 200
Tacoma, Washington 98402

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JOB DESCRIPTION

Ecology Stubblefield

JOB NUMBER

590-26682-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

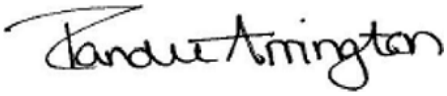
See page two for job notes and contact information.

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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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

Table of Contents

Job ID: 590-26682-1 — Eurofins Spokane

Job Narrative
590-26682-1

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 8/28/2024 9:15 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 time was 4.3°C.

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons appear to be due to oil as well as creosote or similar product.

DP6-SW1-1.5 (590-26682-9), DP6-SW2-1.5 (590-26682-11), DP6-SW3-1.5 (590-26682-12), DP6-SW3-3 (590-26682-13) and DP6-SW4-1.5 (590-26682-14)

Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: DP6-SW2-1.5 (590-26682-11). Evidence of matrix interference due to high target analytes 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.

PCBs
Method 8082A: The following sample(s) contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor: DP6-B4-3 (590-26682-8), DP6-SW1-1.5 (590-26682-9), DP6-SW1-3 (590-26682-10), DP6-SW3-1.5 (590-26682-12), DP6-SW3-3 (590-26682-13) and DP6-SW4-1.5 (590-26682-14).

Method 8082A: The following sample required a dilution due to the nature of the sample matrix: DP6-SW2-1.5 (590-26682-11). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-26682-1	DP6-B1-1.5	Solid	08/27/24 11:20	08/28/24 09:15
590-26682-2	DP6-B1-3	Solid	08/27/24 12:38	08/28/24 09:15
590-26682-3	DP6-B2-1.5	Solid	08/27/24 11:27	08/28/24 09:15
590-26682-4	DP6-B2-3	Solid	08/27/24 12:36	08/28/24 09:15
590-26682-5	DP6-B3-1.5	Solid	08/27/24 11:38	08/28/24 09:15
590-26682-6	DP6-B3-3	Solid	08/27/24 12:31	08/28/24 09:15
590-26682-7	DP6-B4-1.5	Solid	08/27/24 11:34	08/28/24 09:15
590-26682-8	DP6-B4-3	Solid	08/27/24 12:26	08/28/24 09:15
590-26682-9	DP6-SW1-1.5	Solid	08/27/24 11:25	08/28/24 09:15
590-26682-10	DP6-SW1-3	Solid	08/27/24 12:42	08/28/24 09:15
590-26682-11	DP6-SW2-1.5	Solid	08/27/24 11:26	08/28/24 09:15
590-26682-12	DP6-SW3-1.5	Solid	08/27/24 11:32	08/28/24 09:15
590-26682-13	DP6-SW3-3	Solid	08/27/24 12:32	08/28/24 09:15
590-26682-14	DP6-SW4-1.5	Solid	08/27/24 11:35	08/28/24 09:15
590-26682-15	DP6-SW5-1.5	Solid	08/27/24 11:36	08/28/24 09:15
590-26682-16	DP6-SW5-3	Solid	08/27/24 12:28	08/28/24 09:15
590-26682-17	DP6-SW6-1.5	Solid	08/27/24 11:30	08/28/24 09:15
590-26682-18	DP6-SW6-3	Solid	08/27/24 12:29	08/28/24 09:15
590-26682-19	DP6-SW7-1.5	Solid	08/27/24 11:29	08/28/24 09:15
590-26682-20	DP6-SW7-3	Solid	08/27/24 12:35	08/28/24 09:15
590-26682-21	DP6-SW8-1.5	Solid	08/27/24 11:50	08/28/24 09:15
590-26682-22	DP6-SW8-3	Solid	08/27/24 12:40	08/28/24 09:15

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Qualifiers

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.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

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: DP6-B1-1.5

Date Collected: 08/27/24 11:20
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-1
Matrix: Solid
Percent Solids: 88.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1221	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1232	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1242	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1248	**4.8**	**J**	11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1254	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1260	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1268	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1
PCB-1262	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*41 - 120*	*09/05/24 07:08*	*09/05/24 12:08*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*32 - 147*	*09/05/24 07:08*	*09/05/24 12:08*	*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	☼	09/03/24 14:29	09/04/24 00:22	1
Residual Range Organics (RRO) (C25-C36)	**11**	**J**	27	5.4	mg/Kg	☼	09/03/24 14:29	09/04/24 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*09/03/24 14:29*	*09/04/24 00:22*	*1*
n-Triacontane-d62	*81*		*50 - 150*	*09/03/24 14:29*	*09/04/24 00:22*	*1*

Client Sample ID: DP6-B1-3

Date Collected: 08/27/24 12:38
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-2
Matrix: Solid
Percent Solids: 77.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1221	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1232	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1242	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1248	**3.9**	**J**	13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1254	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1260	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1268	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1
PCB-1262	ND		13	2.8	ug/Kg	☼	09/05/24 07:08	09/05/24 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*41 - 120*	*09/05/24 07:08*	*09/05/24 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*32 - 147*	*09/05/24 07:08*	*09/05/24 13:11*	*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		12	5.2	mg/Kg	☼	09/03/24 14:29	09/04/24 00:43	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.2	mg/Kg	☼	09/03/24 14:29	09/04/24 00:43	1

Client Sample ID: DP6-B1-3

Lab Sample ID: 590-26682-2
Date Collected: 08/27/24 12:38
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 77.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*82*		*50 - 150*	*09/03/24 14:29*	*09/04/24 00:43*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*09/03/24 14:29*	*09/04/24 00:43*	*1*

Client Sample ID: DP6-B2-1.5

Lab Sample ID: 590-26682-3
Date Collected: 08/27/24 11:27
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 84.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1221	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1232	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1242	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1248	**5.8**	**J**	12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1254	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1260	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1268	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1
PCB-1262	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*66*		*41 - 120*	*09/05/24 07:08*	*09/05/24 13:32*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*32 - 147*	*09/05/24 07:08*	*09/05/24 13:32*	*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		12	4.9	mg/Kg	☼	09/03/24 14:29	09/04/24 01:05	1
Residual Range Organics (RRO) (C25-C36)	ND		29	5.8	mg/Kg	☼	09/03/24 14:29	09/04/24 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*86*		*50 - 150*	*09/03/24 14:29*	*09/04/24 01:05*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*09/03/24 14:29*	*09/04/24 01:05*	*1*

Client Sample ID: DP6-B2-3

Lab Sample ID: 590-26682-4
Date Collected: 08/27/24 12:36
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 78.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1221	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1232	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1242	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1248	**4.3**	**J**	12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1254	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1260	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1268	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1
PCB-1262	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*63*		*41 - 120*	*09/05/24 07:08*	*09/05/24 13:54*	*1*

Client Sample ID: DP6-B2-3

Lab Sample ID: 590-26682-4
Date Collected: 08/27/24 12:36
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 78.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*32 - 147*	*09/05/24 07:08*	*09/05/24 13:54*	*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		13	5.3	mg/Kg	☼	09/03/24 14:29	09/04/24 01:26	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.3	mg/Kg	☼	09/03/24 14:29	09/04/24 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*09/03/24 14:29*	*09/04/24 01:26*	*1*
n-Triacontane-d62	*83*		*50 - 150*	*09/03/24 14:29*	*09/04/24 01:26*	*1*

Client Sample ID: DP6-B3-1.5

Lab Sample ID: 590-26682-5
Date Collected: 08/27/24 11:38
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 84.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1221	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1232	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1242	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1248	**3.9**	**J**	12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1254	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1260	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1268	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1
PCB-1262	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*41 - 120*	*09/05/24 07:08*	*09/05/24 14:15*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*32 - 147*	*09/05/24 07:08*	*09/05/24 14:15*	*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	☼	09/03/24 14:29	09/04/24 02:09	1
Residual Range Organics (RRO) (C25-C36)	**9.6**	**J**	28	5.6	mg/Kg	☼	09/03/24 14:29	09/04/24 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*09/03/24 14:29*	*09/04/24 02:09*	*1*
n-Triacontane-d62	*83*		*50 - 150*	*09/03/24 14:29*	*09/04/24 02:09*	*1*

Client Sample ID: DP6-B3-3

Lab Sample ID: 590-26682-6
Date Collected: 08/27/24 12:31
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 80.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1
PCB-1221	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1

Client Sample ID: DP6-B3-3

Lab Sample ID: 590-26682-6

Date Collected: 08/27/24 12:31

Matrix: Solid

Date Received: 08/28/24 09:15

Percent Solids: 80.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1
PCB-1242	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1
PCB-1248	**3.5**	**J**	12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1
PCB-1254	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1
PCB-1260	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1
PCB-1268	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1
PCB-1262	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*41 - 120*	*09/05/24 07:08*	*09/05/24 14:36*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*32 - 147*	*09/05/24 07:08*	*09/05/24 14:36*	*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		12	5.1	mg/Kg	☼	09/03/24 14:29	09/04/24 02:31	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.1	mg/Kg	☼	09/03/24 14:29	09/04/24 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*09/03/24 14:29*	*09/04/24 02:31*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*09/03/24 14:29*	*09/04/24 02:31*	*1*

Client Sample ID: DP6-B4-1.5

Lab Sample ID: 590-26682-7

Date Collected: 08/27/24 11:34

Matrix: Solid

Date Received: 08/28/24 09:15

Percent Solids: 86.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1221	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1232	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1242	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1248	**22**		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1254	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1260	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1268	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1
PCB-1262	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*41 - 120*	*09/05/24 07:08*	*09/05/24 14:57*	*1*
DCB Decachlorobiphenyl (Surr)	*61*		*32 - 147*	*09/05/24 07:08*	*09/05/24 14:57*	*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	4.8	mg/Kg	☼	09/03/24 14:29	09/04/24 02:52	1
Residual Range Organics (RRO) (C25-C36)	**14**	**J**	28	5.7	mg/Kg	☼	09/03/24 14:29	09/04/24 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*09/03/24 14:29*	*09/04/24 02:52*	*1*

Client Sample ID: DP6-B4-1.5

Lab Sample ID: 590-26682-7
Date Collected: 08/27/24 11:34
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 86.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	*89*		*50 - 150*	*09/03/24 14:29*	*09/04/24 02:52*	*1*

Client Sample ID: DP6-B4-3

Lab Sample ID: 590-26682-8
Date Collected: 08/27/24 12:26
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 82.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1221	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1232	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1242	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1248	**10**	**J**	12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1254	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1260	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1268	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1
PCB-1262	ND		12	2.6	ug/Kg	☼	09/05/24 07:08	09/05/24 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*67*		*41 - 120*	*09/05/24 07:08*	*09/05/24 15:18*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*32 - 147*	*09/05/24 07:08*	*09/05/24 15:18*	*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		12	5.0	mg/Kg	☼	09/03/24 14:29	09/04/24 03:14	1
Residual Range Organics (RRO) (C25-C36)	ND		30	6.0	mg/Kg	☼	09/03/24 14:29	09/04/24 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*82*		*50 - 150*	*09/03/24 14:29*	*09/04/24 03:14*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*09/03/24 14:29*	*09/04/24 03:14*	*1*

Client Sample ID: DP6-SW1-1.5

Lab Sample ID: 590-26682-9
Date Collected: 08/27/24 11:25
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 88.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1221	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1232	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1242	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1248	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1254	**240**		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1260	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1268	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1
PCB-1262	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*59*		*41 - 120*	*09/05/24 07:08*	*09/05/24 15:39*	*1*

Client Sample ID: DP6-SW1-1.5

Lab Sample ID: 590-26682-9
Date Collected: 08/27/24 11:25
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 88.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	55	p	32 - 147	09/05/24 07:08	09/05/24 15:39	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)	**120**		11	4.6	mg/Kg	☼	09/03/24 14:29	09/04/24 03:36	1
Residual Range Organics (RRO) (C25-C36)	**200**		28	5.5	mg/Kg	☼	09/03/24 14:29	09/04/24 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	100		50 - 150	09/03/24 14:29	09/04/24 03:36	1
n-Triacontane-d62	107		50 - 150	09/03/24 14:29	09/04/24 03:36	1

Client Sample ID: DP6-SW1-3

Lab Sample ID: 590-26682-10
Date Collected: 08/27/24 12:42
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 82.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1221	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1232	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1242	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1248	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1254	**63**		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1260	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1268	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1
PCB-1262	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		41 - 120	09/05/24 07:08	09/05/24 16:00	1
DCB Decachlorobiphenyl (Surr)	62		32 - 147	09/05/24 07:08	09/05/24 16:00	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)	**5.5**	**J**	12	5.0	mg/Kg	☼	09/03/24 14:29	09/04/24 03:57	1
Residual Range Organics (RRO) (C25-C36)	**20**	**J**	30	5.9	mg/Kg	☼	09/03/24 14:29	09/04/24 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	09/03/24 14:29	09/04/24 03:57	1
n-Triacontane-d62	94		50 - 150	09/03/24 14:29	09/04/24 03:57	1

Client Sample ID: DP6-SW2-1.5

Lab Sample ID: 590-26682-11
Date Collected: 08/27/24 11:26
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 92.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1
PCB-1221	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1

Client Sample ID: DP6-SW2-1.5

Lab Sample ID: 590-26682-11

Date Collected: 08/27/24 11:26
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 92.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1
PCB-1242	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1
PCB-1248	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1
PCB-1254	**8000**		1000	230	ug/Kg	☼	09/05/24 07:08	09/09/24 15:55	100
PCB-1260	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1
PCB-1268	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1
PCB-1262	ND		10	2.3	ug/Kg	☼	09/05/24 07:08	09/05/24 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*47*	*p*	*41 - 120*	*09/05/24 07:08*	*09/05/24 16:22*	*1*
Tetrachloro-m-xylene	*187*	*S1+*	*41 - 120*	*09/05/24 07:08*	*09/09/24 15:55*	*100*
DCB Decachlorobiphenyl (Surr)	*47*	*p*	*32 - 147*	*09/05/24 07:08*	*09/05/24 16:22*	*1*
DCB Decachlorobiphenyl (Surr)	*196*	*S1+*	*32 - 147*	*09/05/24 07:08*	*09/09/24 15:55*	*100*

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)	**940**		110	45	mg/Kg	☼	09/03/24 14:29	09/04/24 04:19	10
Residual Range Organics (RRO) (C25-C36)	**1800**		270	54	mg/Kg	☼	09/03/24 14:29	09/04/24 04:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*206*	*S1+*	*50 - 150*	*09/03/24 14:29*	*09/04/24 04:19*	*10*
n-Triacontane-d62	*213*	*S1+*	*50 - 150*	*09/03/24 14:29*	*09/04/24 04:19*	*10*

Client Sample ID: DP6-SW3-1.5

Lab Sample ID: 590-26682-12

Date Collected: 08/27/24 11:32
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 88.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1221	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1232	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1242	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1248	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1254	**590**		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1260	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1268	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1
PCB-1262	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*49*		*41 - 120*	*09/05/24 07:08*	*09/05/24 16:43*	*1*
DCB Decachlorobiphenyl (Surr)	*55*	*p*	*32 - 147*	*09/05/24 07:08*	*09/05/24 16:43*	*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)	**53**		11	4.7	mg/Kg	☼	09/03/24 14:29	09/04/24 04:40	1
Residual Range Organics (RRO) (C25-C36)	**180**		28	5.6	mg/Kg	☼	09/03/24 14:29	09/04/24 04:40	1

Client Sample ID: DP6-SW3-1.5

Lab Sample ID: 590-26682-12
Date Collected: 08/27/24 11:32
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 88.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*09/03/24 14:29*	*09/04/24 04:40*	*1*
n-Triacontane-d62	*102*		*50 - 150*	*09/03/24 14:29*	*09/04/24 04:40*	*1*

Client Sample ID: DP6-SW3-3

Lab Sample ID: 590-26682-13
Date Collected: 08/27/24 12:32
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 81.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1221	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1232	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1242	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1248	**160**		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1254	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1260	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1268	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1
PCB-1262	ND		12	2.7	ug/Kg	☼	09/05/24 07:08	09/05/24 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*52*		*41 - 120*	*09/05/24 07:08*	*09/05/24 17:04*	*1*
DCB Decachlorobiphenyl (Surr)	*57*	*p*	*32 - 147*	*09/05/24 07:08*	*09/05/24 17:04*	*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)	**10**	**J**	12	5.1	mg/Kg	☼	09/03/24 14:29	09/04/24 05:02	1
Residual Range Organics (RRO) (C25-C36)	**36**		30	6.1	mg/Kg	☼	09/03/24 14:29	09/04/24 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*09/03/24 14:29*	*09/04/24 05:02*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*09/03/24 14:29*	*09/04/24 05:02*	*1*

Client Sample ID: DP6-SW4-1.5

Lab Sample ID: 590-26682-14
Date Collected: 08/27/24 11:35
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 87.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1221	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1232	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1242	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1248	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1254	**72**		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1260	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1268	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1
PCB-1262	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*41 - 120*	*09/05/24 07:08*	*09/05/24 17:25*	*1*

Client Sample ID: DP6-SW4-1.5

Lab Sample ID: 590-26682-14
Date Collected: 08/27/24 11:35
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 87.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	57	p	32 - 147	09/05/24 07:08	09/05/24 17:25	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)	**9.2**	**J**	11	4.7	mg/Kg	☼	09/03/24 14:29	09/04/24 05:23	1
Residual Range Organics (RRO) (C25-C36)	**31**		28	5.6	mg/Kg	☼	09/03/24 14:29	09/04/24 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	09/03/24 14:29	09/04/24 05:23	1
n-Triacontane-d62	93		50 - 150	09/03/24 14:29	09/04/24 05:23	1

Client Sample ID: DP6-SW5-1.5

Lab Sample ID: 590-26682-15
Date Collected: 08/27/24 11:36
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 88.6

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1221	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1232	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1242	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1248	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1254	**5.7**	**J**	11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1260	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1268	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1
PCB-1262	ND		11	2.4	ug/Kg	☼	09/05/24 07:08	09/05/24 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		41 - 120	09/05/24 07:08	09/05/24 17:46	1
DCB Decachlorobiphenyl (Surr)	68		32 - 147	09/05/24 07:08	09/05/24 17:46	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	☼	09/03/24 14:29	09/04/24 06:06	1
Residual Range Organics (RRO) (C25-C36)	**6.2**	**J**	28	5.6	mg/Kg	☼	09/03/24 14:29	09/04/24 06:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	09/03/24 14:29	09/04/24 06:06	1
n-Triacontane-d62	84		50 - 150	09/03/24 14:29	09/04/24 06:06	1

Client Sample ID: DP6-SW5-3

Lab Sample ID: 590-26682-16
Date Collected: 08/27/24 12:28
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 84.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1
PCB-1221	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1

Client Sample ID: DP6-SW5-3

Lab Sample ID: 590-26682-16

Date Collected: 08/27/24 12:28

Matrix: Solid

Date Received: 08/28/24 09:15

Percent Solids: 84.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1
PCB-1242	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1
PCB-1248	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1
PCB-1254	**45**		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1
PCB-1260	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1
PCB-1268	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1
PCB-1262	ND		11	2.5	ug/Kg	☼	09/05/24 07:08	09/05/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*41 - 120*	*09/05/24 07:08*	*09/05/24 18:07*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*32 - 147*	*09/05/24 07:08*	*09/05/24 18:07*	*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	☼	09/03/24 14:29	09/04/24 06:28	1
Residual Range Organics (RRO) (C25-C36)	**5.7**	**J**	28	5.6	mg/Kg	☼	09/03/24 14:29	09/04/24 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*09/03/24 14:29*	*09/04/24 06:28*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*09/03/24 14:29*	*09/04/24 06:28*	*1*

Client Sample ID: DP6-SW6-1.5

Lab Sample ID: 590-26682-17

Date Collected: 08/27/24 11:30

Matrix: Solid

Date Received: 08/28/24 09:15

Percent Solids: 87.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1221	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1232	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1242	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1248	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1254	**2.4**	**J**	11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1260	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1268	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1
PCB-1262	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*41 - 120*	*09/05/24 07:10*	*09/05/24 19:32*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*32 - 147*	*09/05/24 07:10*	*09/05/24 19:32*	*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		11	4.6	mg/Kg	☼	09/03/24 14:29	09/04/24 06:49	1
Residual Range Organics (RRO) (C25-C36)	**18**	**J**	28	5.5	mg/Kg	☼	09/03/24 14:29	09/04/24 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*09/03/24 14:29*	*09/04/24 06:49*	*1*

Client Sample ID: DP6-SW6-1.5

Lab Sample ID: 590-26682-17
Date Collected: 08/27/24 11:30
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 87.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	*92*		*50 - 150*	*09/03/24 14:29*	*09/04/24 06:49*	*1*

Client Sample ID: DP6-SW6-3

Lab Sample ID: 590-26682-18
Date Collected: 08/27/24 12:29
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 85.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1221	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1232	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1242	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1248	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1254	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1260	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1268	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1
PCB-1262	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*65*		*41 - 120*	*09/05/24 07:10*	*09/05/24 20:36*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*32 - 147*	*09/05/24 07:10*	*09/05/24 20:36*	*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	☼	09/03/24 14:29	09/04/24 07:10	1
Residual Range Organics (RRO) (C25-C36)	ND		28	5.6	mg/Kg	☼	09/03/24 14:29	09/04/24 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*87*		*50 - 150*	*09/03/24 14:29*	*09/04/24 07:10*	*1*
n-Triacontane-d62	*93*		*50 - 150*	*09/03/24 14:29*	*09/04/24 07:10*	*1*

Client Sample ID: DP6-SW7-1.5

Lab Sample ID: 590-26682-19
Date Collected: 08/27/24 11:29
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 86.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1221	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1232	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1242	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1248	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1254	**3.9**	**J**	11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1260	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1268	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1
PCB-1262	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*63*		*41 - 120*	*09/05/24 07:10*	*09/05/24 20:57*	*1*

Client Sample ID: DP6-SW7-1.5

Lab Sample ID: 590-26682-19
Date Collected: 08/27/24 11:29
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 86.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*32 - 147*	*09/05/24 07:10*	*09/05/24 20:57*	*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)	**14**		11	4.8	mg/Kg	☼	09/04/24 12:04	09/05/24 11:06	1
Residual Range Organics (RRO) (C25-C36)	**20**	**J**	29	5.7	mg/Kg	☼	09/04/24 12:04	09/05/24 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*09/04/24 12:04*	*09/05/24 11:06*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*09/04/24 12:04*	*09/05/24 11:06*	*1*

Client Sample ID: DP6-SW7-3

Lab Sample ID: 590-26682-20
Date Collected: 08/27/24 12:35
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 82.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1221	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1232	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1242	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1248	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1254	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1260	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1268	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1
PCB-1262	ND		12	2.6	ug/Kg	☼	09/05/24 07:10	09/05/24 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*41 - 120*	*09/05/24 07:10*	*09/05/24 21:18*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*32 - 147*	*09/05/24 07:10*	*09/05/24 21:18*	*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		12	5.1	mg/Kg	☼	09/04/24 12:04	09/05/24 11:27	1
Residual Range Organics (RRO) (C25-C36)	ND		30	6.0	mg/Kg	☼	09/04/24 12:04	09/05/24 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*09/04/24 12:04*	*09/05/24 11:27*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*09/04/24 12:04*	*09/05/24 11:27*	*1*

Client Sample ID: DP6-SW8-1.5

Lab Sample ID: 590-26682-21
Date Collected: 08/27/24 11:50
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 89.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1
PCB-1221	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1

Client Sample ID: DP6-SW8-1.5

Lab Sample ID: 590-26682-21

Date Collected: 08/27/24 11:50
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 89.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1
PCB-1242	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1
PCB-1248	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1
PCB-1254	**4.8**	**J**	11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1
PCB-1260	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1
PCB-1268	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1
PCB-1262	ND		11	2.4	ug/Kg	☼	09/05/24 07:10	09/05/24 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*41 - 120*	*09/05/24 07:10*	*09/05/24 21:39*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*32 - 147*	*09/05/24 07:10*	*09/05/24 21:39*	*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	☼	09/04/24 12:04	09/04/24 20:31	1
Residual Range Organics (RRO) (C25-C36)	**13**	**J**	28	5.6	mg/Kg	☼	09/04/24 12:04	09/04/24 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*09/04/24 12:04*	*09/04/24 20:31*	*1*
n-Triacontane-d62	*83*		*50 - 150*	*09/04/24 12:04*	*09/04/24 20:31*	*1*

Client Sample ID: DP6-SW8-3

Lab Sample ID: 590-26682-22

Date Collected: 08/27/24 12:40
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 84.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1221	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1232	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1242	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1248	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1254	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1260	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1268	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1
PCB-1262	ND		11	2.5	ug/Kg	☼	09/05/24 07:10	09/05/24 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*41 - 120*	*09/05/24 07:10*	*09/05/24 22:00*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*32 - 147*	*09/05/24 07:10*	*09/05/24 22:00*	*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		12	4.9	mg/Kg	☼	09/04/24 12:04	09/04/24 20:53	1
Residual Range Organics (RRO) (C25-C36)	ND		29	5.8	mg/Kg	☼	09/04/24 12:04	09/04/24 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*09/04/24 12:04*	*09/04/24 20:53*	*1*

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-SW8-3
Date Collected: 08/27/24 12:40
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-22
Matrix: Solid
Percent Solids: 84.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	84		50 - 150	09/04/24 12:04	09/04/24 20:53	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 590-49426/1-A
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1221	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1232	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1242	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1248	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1254	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1260	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1268	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1
PCB-1262	ND		10	2.2	ug/Kg		09/05/24 07:08	09/05/24 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*41 - 120*	*09/05/24 07:08*	*09/05/24 11:25*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*32 - 147*	*09/05/24 07:08*	*09/05/24 11:25*	*1*

Lab Sample ID: LCS 590-49426/2-A
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49426

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			66.7	55.0		ug/Kg		83	57 - 120		
PCB-1260			66.7	55.9		ug/Kg		84	67 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*77*		*41 - 120*
DCB Decachlorobiphenyl (Surr)	*85*		*32 - 147*

Lab Sample ID: 590-26682-1 MS
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: DP6-B1-1.5
Prep Type: Total/NA
Prep Batch: 49426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		75.6	61.1		ug/Kg	☼	81	67 - 120		
PCB-1260	ND		75.6	56.3		ug/Kg	☼	74	58 - 133		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*72*		*41 - 120*
DCB Decachlorobiphenyl (Surr)	*76*		*32 - 147*

Lab Sample ID: 590-26682-1 MSD
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: DP6-B1-1.5
Prep Type: Total/NA
Prep Batch: 49426

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		74.2	56.7		ug/Kg	☼	76	67 - 120	7	13
PCB-1260	ND		74.2	54.8		ug/Kg	☼	74	58 - 133	3	13

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 590-26682-1 MSD
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: DP6-B1-1.5
Prep Type: Total/NA
Prep Batch: 49426

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	*72*		*41 - 120*
DCB Decachlorobiphenyl (Surr)	*76*		*32 - 147*

Lab Sample ID: MB 590-49427/1-A
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49427

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1221	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1232	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1242	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1248	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1254	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1260	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1268	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1
PCB-1262	ND		10	2.2	ug/Kg		09/05/24 07:10	09/05/24 18:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*67*		*41 - 120*	*09/05/24 07:10*	*09/05/24 18:50*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*32 - 147*	*09/05/24 07:10*	*09/05/24 18:50*	*1*

Lab Sample ID: LCS 590-49427/2-A
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	66.7	48.8		ug/Kg		73	57 - 120
PCB-1260	66.7	49.7		ug/Kg		75	67 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*66*		*41 - 120*
DCB Decachlorobiphenyl (Surr)	*82*		*32 - 147*

Lab Sample ID: 590-26682-17 MS
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: DP6-SW6-1.5
Prep Type: Total/NA
Prep Batch: 49427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		74.2	52.4		ug/Kg	☼	71	67 - 120
PCB-1260	ND		74.2	55.2		ug/Kg	☼	74	58 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	*66*		*41 - 120*
DCB Decachlorobiphenyl (Surr)	*70*		*32 - 147*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 590-26682-17 MSD
Matrix: Solid
Analysis Batch: 49431

Client Sample ID: DP6-SW6-1.5
Prep Type: Total/NA
Prep Batch: 49427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		74.9	55.9		ug/Kg	☼	75	67 - 120	6	13
PCB-1260	ND		74.9	60.6		ug/Kg	☼	81	58 - 133	9	13

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*70*		*41 - 120*
DCB Decachlorobiphenyl (Surr)	*72*		*32 - 147*

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

Lab Sample ID: MB 590-49384/1-A
Matrix: Solid
Analysis Batch: 49375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49384

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		09/03/24 14:29	09/03/24 22:12	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		09/03/24 14:29	09/03/24 22:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*09/03/24 14:29*	*09/03/24 22:12*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*09/03/24 14:29*	*09/03/24 22:12*	*1*

Lab Sample ID: LCS 590-49384/2-A
Matrix: Solid
Analysis Batch: 49375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	66.9		mg/Kg		100	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	76.0		mg/Kg		114	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*93*		*50 - 150*
n-Triacontane-d62	*97*		*50 - 150*

Lab Sample ID: MB 590-49411/1-A
Matrix: Solid
Analysis Batch: 49418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49411

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		09/04/24 12:04	09/04/24 18:22	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		09/04/24 12:04	09/04/24 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*09/04/24 12:04*	*09/04/24 18:22*	*1*

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

Lab Sample ID: MB 590-49411/1-A
Matrix: Solid
Analysis Batch: 49418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49411

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	89		50 - 150	09/04/24 12:04	09/04/24 18:22	1

Lab Sample ID: LCS 590-49411/2-A
Matrix: Solid
Analysis Batch: 49418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49411

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	60.9		mg/Kg		91	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	63.7		mg/Kg		96	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	92		50 - 150
n-Triacontane-d62	95		50 - 150

Lab Sample ID: 590-26682-19 DU
Matrix: Solid
Analysis Batch: 49418

Client Sample ID: DP6-SW7-1.5
Prep Type: Total/NA
Prep Batch: 49411

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	14			ND		mg/Kg	☼			NC	40
Residual Range Organics (RRO) (C25-C36)	20	J		20.0	J	mg/Kg	☼			0.05	40

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	81		50 - 150
n-Triacontane-d62	87		50 - 150

Lab Sample ID: 590-26682-20 DU
Matrix: Solid
Analysis Batch: 49418

Client Sample ID: DP6-SW7-3
Prep Type: Total/NA
Prep Batch: 49411

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	85		50 - 150
n-Triacontane-d62	90		50 - 150

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-B1-1.5
Date Collected: 08/27/24 11:20
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-1
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B1-1.5
Date Collected: 08/27/24 11:20
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-1
Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.33 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 12:08	NMI	EET SPK
Total/NA	Prep	3550C			15.83 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 00:22	NMI	EET SPK

Client Sample ID: DP6-B1-3
Date Collected: 08/27/24 12:38
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-2
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B1-3
Date Collected: 08/27/24 12:38
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-2
Matrix: Solid
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.32 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 13:11	NMI	EET SPK
Total/NA	Prep	3550C			15.46 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 00:43	NMI	EET SPK

Client Sample ID: DP6-B2-1.5
Date Collected: 08/27/24 11:27
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-3
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B2-1.5
Date Collected: 08/27/24 11:27
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-3
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.26 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 13:32	NMI	EET SPK
Total/NA	Prep	3550C			15.27 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 01:05	NMI	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-B2-3
Date Collected: 08/27/24 12:36
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-4
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B2-3
Date Collected: 08/27/24 12:36
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-4
Matrix: Solid
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.41 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 13:54	NMI	EET SPK
Total/NA	Prep	3550C			15.19 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 01:26	NMI	EET SPK

Client Sample ID: DP6-B3-1.5
Date Collected: 08/27/24 11:38
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-5
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B3-1.5
Date Collected: 08/27/24 11:38
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-5
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.24 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 14:15	NMI	EET SPK
Total/NA	Prep	3550C			15.73 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 02:09	NMI	EET SPK

Client Sample ID: DP6-B3-3
Date Collected: 08/27/24 12:31
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-6
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B3-3
Date Collected: 08/27/24 12:31
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-6
Matrix: Solid
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.17 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 14:36	NMI	EET SPK
Total/NA	Prep	3550C			15.16 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 02:31	NMI	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-B4-1.5
Date Collected: 08/27/24 11:34
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-7
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B4-1.5
Date Collected: 08/27/24 11:34
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-7
Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.09 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 14:57	NMI	EET SPK
Total/NA	Prep	3550C			15.22 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 02:52	NMI	EET SPK

Client Sample ID: DP6-B4-3
Date Collected: 08/27/24 12:26
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-8
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-B4-3
Date Collected: 08/27/24 12:26
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-8
Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.52 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 15:18	NMI	EET SPK
Total/NA	Prep	3550C			15.28 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 03:14	NMI	EET SPK

Client Sample ID: DP6-SW1-1.5
Date Collected: 08/27/24 11:25
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW1-1.5
Date Collected: 08/27/24 11:25
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-9
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.41 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 15:39	NMI	EET SPK
Total/NA	Prep	3550C			15.33 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 03:36	NMI	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-SW1-3
Lab Sample ID: 590-26682-10
Date Collected: 08/27/24 12:42
Matrix: Solid
Date Received: 08/28/24 09:15

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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW1-3
Lab Sample ID: 590-26682-10
Date Collected: 08/27/24 12:42
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.92 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 16:00	NMI	EET SPK
Total/NA	Prep	3550C			15.35 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 03:57	NMI	EET SPK

Client Sample ID: DP6-SW2-1.5
Lab Sample ID: 590-26682-11
Date Collected: 08/27/24 11:26
Matrix: Solid
Date Received: 08/28/24 09:15

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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW2-1.5
Lab Sample ID: 590-26682-11
Date Collected: 08/27/24 11:26
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.68 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 16:22	NMI	EET SPK
Total/NA	Prep	3550C			15.68 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		100	1 mL	1 mL	49503	09/09/24 15:55	NMI	EET SPK
Total/NA	Prep	3550C			15.22 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	49375	09/04/24 04:19	NMI	EET SPK

Client Sample ID: DP6-SW3-1.5
Lab Sample ID: 590-26682-12
Date Collected: 08/27/24 11:32
Matrix: Solid
Date Received: 08/28/24 09:15

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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW3-1.5
Lab Sample ID: 590-26682-12
Date Collected: 08/27/24 11:32
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.02 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 16:43	NMI	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-SW3-1.5
Date Collected: 08/27/24 11:32
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-12
Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.19 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 04:40	NMI	EET SPK

Client Sample ID: DP6-SW3-3
Date Collected: 08/27/24 12:32
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-13
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW3-3
Date Collected: 08/27/24 12:32
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-13
Matrix: Solid
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.26 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 17:04	NMI	EET SPK
Total/NA	Prep	3550C			15.21 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 05:02	NMI	EET SPK

Client Sample ID: DP6-SW4-1.5
Date Collected: 08/27/24 11:35
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-14
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW4-1.5
Date Collected: 08/27/24 11:35
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-14
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.56 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 17:25	NMI	EET SPK
Total/NA	Prep	3550C			15.33 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 05:23	NMI	EET SPK

Client Sample ID: DP6-SW5-1.5
Date Collected: 08/27/24 11:36
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-15
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			49387	09/03/24 16:07	MRV	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-SW5-1.5
Date Collected: 08/27/24 11:36
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-15
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	3550C			15.36 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 17:46	NMI	EET SPK
Total/NA	Prep	3550C			15.24 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 06:06	NMI	EET SPK

Client Sample ID: DP6-SW5-3
Date Collected: 08/27/24 12:28
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-16
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW5-3
Date Collected: 08/27/24 12:28
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-16
Matrix: Solid
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.55 g	5 mL	49426	09/05/24 07:08	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 18:07	NMI	EET SPK
Total/NA	Prep	3550C			15.93 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 06:28	NMI	EET SPK

Client Sample ID: DP6-SW6-1.5
Date Collected: 08/27/24 11:30
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-17
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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW6-1.5
Date Collected: 08/27/24 11:30
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-17
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.90 g	5 mL	49427	09/05/24 07:10	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 19:32	NMI	EET SPK
Total/NA	Prep	3550C			15.43 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 06:49	NMI	EET SPK

Client Sample ID: DP6-SW6-3
Date Collected: 08/27/24 12:29
Date Received: 08/28/24 09:15

Lab Sample ID: 590-26682-18
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			49387	09/03/24 16:07	MRV	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-SW6-3
Lab Sample ID: 590-26682-18
Date Collected: 08/27/24 12:29
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.34 g	5 mL	49427	09/05/24 07:10	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 20:36	NMI	EET SPK
Total/NA	Prep	3550C			15.63 g	5 mL	49384	09/03/24 14:29	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49375	09/04/24 07:10	NMI	EET SPK

Client Sample ID: DP6-SW7-1.5
Lab Sample ID: 590-26682-19
Date Collected: 08/27/24 11:29
Matrix: Solid
Date Received: 08/28/24 09:15

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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW7-1.5
Lab Sample ID: 590-26682-19
Date Collected: 08/27/24 11:29
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.53 g	5 mL	49427	09/05/24 07:10	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 20:57	NMI	EET SPK
Total/NA	Prep	3550C			15.04 g	5 mL	49411	09/04/24 12:04	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49418	09/05/24 11:06	NMI	EET SPK

Client Sample ID: DP6-SW7-3
Lab Sample ID: 590-26682-20
Date Collected: 08/27/24 12:35
Matrix: Solid
Date Received: 08/28/24 09:15

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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW7-3
Lab Sample ID: 590-26682-20
Date Collected: 08/27/24 12:35
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.31 g	5 mL	49427	09/05/24 07:10	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 21:18	NMI	EET SPK
Total/NA	Prep	3550C			15.15 g	5 mL	49411	09/04/24 12:04	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49418	09/05/24 11:27	NMI	EET SPK

Client Sample ID: DP6-SW8-1.5
Lab Sample ID: 590-26682-21
Date Collected: 08/27/24 11:50
Matrix: Solid
Date Received: 08/28/24 09:15

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			49387	09/03/24 16:07	MRV	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Client Sample ID: DP6-SW8-1.5

Lab Sample ID: 590-26682-21
Date Collected: 08/27/24 11:50
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.59 g	5 mL	49427	09/05/24 07:10	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 21:39	NMI	EET SPK
Total/NA	Prep	3550C			15.09 g	5 mL	49411	09/04/24 12:04	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49418	09/04/24 20:31	NMI	EET SPK

Client Sample ID: DP6-SW8-3

Lab Sample ID: 590-26682-22
Date Collected: 08/27/24 12:40
Matrix: Solid
Date Received: 08/28/24 09:15

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			49387	09/03/24 16:07	MRV	EET SPK

Client Sample ID: DP6-SW8-3

Lab Sample ID: 590-26682-22
Date Collected: 08/27/24 12:40
Matrix: Solid
Date Received: 08/28/24 09:15
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.56 g	5 mL	49427	09/05/24 07:10	MRV	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	49431	09/05/24 22:00	NMI	EET SPK
Total/NA	Prep	3550C			15.29 g	5 mL	49411	09/04/24 12:04	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49418	09/04/24 20:53	NMI	EET SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: GeoEngineers Inc
Job ID: 590-26682-1
Project/Site: Ecology Stubblefield

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	01-07-25

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
8082A	3550C	Solid	PCB-1262
8082A	3550C	Solid	PCB-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GeoEngineers Inc
Project/Site: Ecology Stubblefield

Job ID: 590-26682-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3665A	Sulfuric Acid/Permanganate Cleanup	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

CHAIN OF CUSTODY RECORD

GeoEngineers
523 EAST SECOND AVE.
SPOKANE, WASHINGTON 99202
(509) 363-3125

Sbronson@geoengineers.com

PROJECT NAME/LOCATION: Stubblefield
PROJECT NUMBER: 504-139-01
PROJECT MANAGER: Sydney Bronson
SAMPLED BY: Bryce Hanson

SAMPLE IDENTIFICATION		SAMPLE COLLECTION			# OF	ANALYSIS REQUIRED	
LAB	GEOENGINEERS	DATE	TIME	MATRIX	JARS	NWTPH-Dx	PCBs 8082A
	DP6-B1-1.5	8/27/24	1120	S	1	X	X
	DP6-B1-3		1238			X	X
	DP6-B2-1.5		1127			X	X
	DP6-B2-3		1236			X	X
	DP6-B3-1.5		1138			X	X
	DP6-B3-3		1231			X	X
	DP6-B4-1.5		1134			X	X
	DP6-B4-3		1226			X	X
	DP6-SW1-1.5		1125			X	X
	DP6-SW1-3		1242			X	X
	DP6-SW2-1.5		1126			X	X
	DP6-SW3-1.5		1132			X	X

RELINQUISHED BY			
SIGNATURE			
PRINTED NAME	Bryce Hanson		
DATE	8/28/24	TIME	0915
FIRM	GEI		

RELINQUISHED BY			
SIGNATURE			
PRINTED NAME			
DATE		TIME	
FIRM			

RELINQUISHED BY			
SIGNATURE			
PRINTED NAME			
DATE			

RECEIVED BY			
SIGNATURE			
PRINTED NAME	Macky Morris		
DATE	8/28/24	TIME	9:15
FIRM			

RECEIVED BY			
SIGNATURE			
PRINTED NAME			
DATE		TIME	
FIRM			

RECEIVED BY			
SIGNATURE			
PRINTED NAME			
DATE			

ADDITIONAL COMMENTS:

CHAIN OF CUSTODY RECORD

GeoEngineers
523 EAST SECOND AVE.
SPOKANE, WASHINGTON 99202
(509) 363-3125

sbronson@geoengineers.com

PROJECT NAME/LOCATION: Stubblefield
PROJECT NUMBER: SEA-130-01
PROJECT MANAGER: Sydney Bronson
SAMPLED BY: Byce Hanson

SAMPLE IDENTIFICATION		SAMPLE COLLECTION			# OF JARS	ANALYSIS REQUIRED	
LAB	GEOENGINEERS	DATE	TIME	MATRIX		NWTPH-Dx	PCBs 8082A
	DP6-SW3-3	1232	8/27/24	S	1	X	X
	DP6-SW4-1.5	1135				X	X
	DP6-SW5-1.5	1136				X	X
	DP6-SW5-3	1228				X	X
	DP6-SW6-1.5	1130				X	X
	DP6-SW6-3	1229				X	X
	DP6-SW7-1.5	1129				X	X
	DP6-SW7-3	1235				X	X
	DP6-SW8-1.5	1150				X	X
	DP6-SW8-3	1240				X	X

RELINQUISHED BY	FIRM	RELINQUISHED BY	FIRM	RELINQUISHED BY
SIGNATURE	GEI	SIGNATURE		SIGNATURE
PRINTED NAME Byce Hanson		PRINTED NAME		PRINTED NAME
DATE 8/28/24 TIME 0915		DATE TIME		DATE
RECEIVED BY	**FIRM**	**RECEIVED BY**	**FIRM**	**RECEIVED BY**
SIGNATURE		SIGNATURE		SIGNATURE
PRINTED NAME Macky Moms		PRINTED NAME		PRINTED NAME
DATE 8/28/24 TIME 9:19		DATE TIME		DATE

ADDITIONAL COMMENTS:

CHAIN OF CUSTODY RECORD

GeoEngineers
523 EAST SECOND AVE.
SPOKANE, WASHINGTON 99202
(509) 363-3125

Sbronson@geoengineers.com

DATE 8/28/24
PAGE 1 OF 2
LAB Encofins
LAB NO

PROJECT NAME/LOCATION Stubblefield
PROJECT NUMBER 504-139-01
PROJECT MANAGER Sydney Bronson
SAMPLED BY Bryce Hanson

SAMPLE IDENTIFICATION		SAMPLE COLLECTION			# OF	ANALYSIS REQUIRED		NOTES/COMMENTS
LAB	GEOENGINEERS	DATE	TIME	MATRIX	JARS	NWTPH-Dx	PCBs 8082A	(Preserved, filtered, etc.)
	DP6-B1-1.5	8/27/24	1120	S	1			This will be a 2 day rush but Ecology needs to assist in picking analytes
	DP6-B1-3		1238					HOLD
	DP6 B2-1.5		1127					
	DP6-B2 3		1236					
	DP6 B3-1.5		1138					
	DP6-B3-3		1231					
	DP6-B4 1.5		1134					
	DP6-B4-3		1226					
	DP6-SW1-1.5		1125					
	DP6-SW1-3		1242					
	DP6-SW2-1.5		1126					
	DP6-SW3-1.5		1137					

590-26682 Chain of Custody

RELINQUISHED BY	FIRM	RELINQUISHED BY	FIRM	RELINQUISHED BY	FIRM
SIGNATURE	GEI	SIGNATURE		SIGNATURE	
PRINTED NAME Bryce Hanson		PRINTED NAME		PRINTED NAME	
DATE 8/28/24 TIME 0915		DATE TIME		DATE TIME	
RECEIVED BY	**FIRM**	**RECEIVED BY**	**FIRM**	**RECEIVED BY**	**FIRM**
SIGNATURE		SIGNATURE		SIGNATURE	
PRINTED NAME Macky Morris		PRINTED NAME		PRINTED NAME	
DATE 8/28/24 TIME 9:15		DATE TIME		DATE TIME	

ADDITIONAL COMMENTS:
3.8, 4.3 corr 1K ea

CHAIN OF CUSTODY RECORD

GeoEngineers
523 EAST SECOND AVE.
SPOKANE, WASHINGTON 99202
(509) 363-3125

DATE 8/28/24
PAGE 2 OF 2
LAB Eurofins
LAB NO

PROJECT NAME/LOCATION Stubblefield
PROJECT NUMBER 504-139-01
PROJECT MANAGER Sydney Bronson — sbronson@geoengineers.com
SAMPLED BY Bryce Hanson

SAMPLE IDENTIFICATION		SAMPLE COLLECTION			# OF	ANALYSIS REQUIRED												NOTES/COMMENTS (Preserved, filtered, etc.)
LAB	GEOENGINEERS	DATE	TIME	MATRIX	JARS	NWTPH-Dx	PCBs 8082A											see p.1
	DP6-SW3-3	1232	8/27/24	S	1													HOLD
	DP6-SW4-1.5	1135	↓	↓	↓													↓
	DP6-SW5-1.5	1136																
	DP6-SW5-3	1228																
	DP6-SW6-1.5	1130																
	DP6-SW6-3	1229																
	DP6 SW7-1.5	1129																
	DP6-SW7-3	1235																
	DP6-SW8-1.5	1150																
	DP6-SW8-3	1240																

RELINQUISHED BY	RELINQUISHED BY	RELINQUISHED BY
FIRM GEI	FIRM	FIRM
SIGNATURE [signature]	SIGNATURE	SIGNATURE
PRINTED NAME Bryce Hanson	PRINTED NAME	PRINTED NAME
DATE 8/28/24 TIME 0915	DATE TIME	DATE TIME
RECEIVED BY	**RECEIVED BY**	**RECEIVED BY**
FIRM	FIRM	FIRM
SIGNATURE [signature]	SIGNATURE	SIGNATURE
PRINTED NAME Macky Williams	PRINTED NAME	PRINTED NAME
DATE 8/28/24 TIME 9:19	DATE TIME	DATE TIME

ADDITIONAL COMMENTS
3.8, 4.3 corr 1Kaslo

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-26682-1

Login Number: 26682
List Number: 1
Creator: Morris, Mackenzie 1

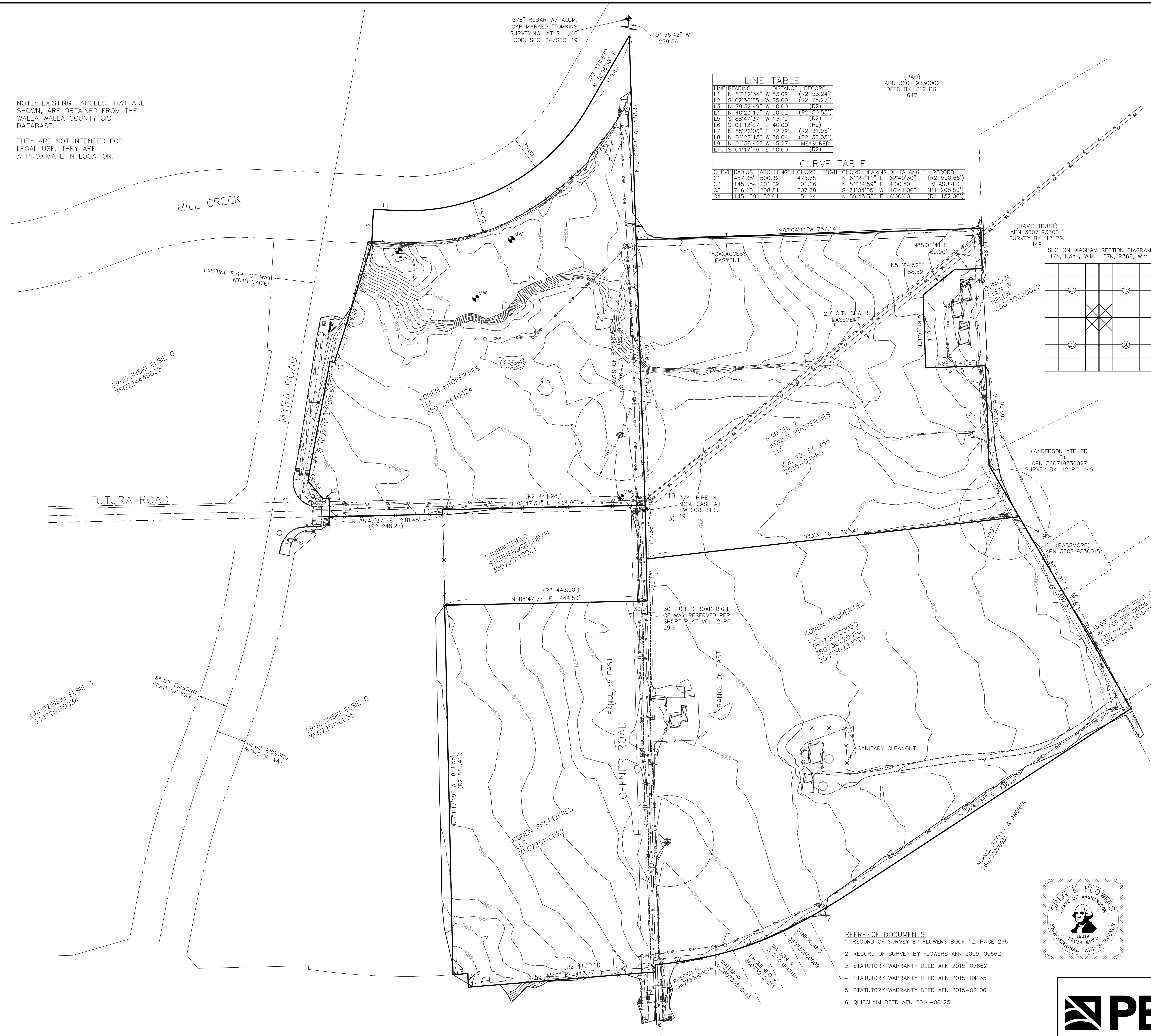
List Source: Eurofins Spokane

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	

Appendix C
Site Survey

TOPOGRAPHIC SURVEY

LOCATED IN THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 19, THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 30, THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 24 AND THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 25, TOWNSHIP 7 NORTH RANGE 35 & 36 EAST OF THE WILLAMETTE MERIDIAN, CITY OF WALLA WALLA, COUNTY OF WALLA WALLA, WASHINGTON.



5/8" REBAR W/ ALUM. CAP MARKED "TOMKINS SURVEYING" AT S. 1/16 COR. SEC. 24/SEC. 19
N 01°56'42" W
279.36'
MILL CREEK
MYRA ROAD
FUTURA ROAD
OFFNER ROAD
RANGE 35 EAST
RANGE 36 EAST
EXISTING RIGHT OF WAY WIDTH VARIES
GRUDZINSKI ELSIE G 350724440025
GRUDZINSKI ELSIE G 350725110034
GRUDZINSKI ELSIE G 350725110035
KONEN PROPERTIES LLC 350724440024
STUBBLEFIELD STEPHEN&DEBORAH 350725110031
KONEN PROPERTIES LLC 350725110028
PARCEL 2 KONEN PROPERTIES LLC VOL 12, PG.266 2016-04983
KONEN PROPERTIES LLC 360730220030 360730220010 360730220029
(PAO) APN 360719330002 DEED BK. 312 PG. 647
(DAVIS TRUST) APN 360719330011 SURVEY BK. 12 PG. 149
DUNCAN, GLEN & HELEN 360719330029
(ANDERSON ATELIER LLC) APN 360719330027 SURVEY BK. 12 PG. 149
(PASSMORE) APN 360719330015
(WALLA WALLA FOUNDRY INC) APN 360719330020 SURVEY BK. 7 PG. 165
ADAMS, JEFFREY & ANDREA 360730220031
15.00' ACCESS EASEMENT
20' CITY SEWER EASEMENT
3/4" PIPE IN MON. CASE AT SW COR. SEC. 19
30' PUBLIC ROAD RIGHT OF WAY RESERVED PER SHORT PLAT VOL. 2 PG. 290.
15.00' EXISTING RIGHT OF WAY PER DEEDS 2015-02106, 2015-07662, 2015-02249
65.00' EXISTING RIGHT OF WAY
SANITARY CLEANOUT
S88°04'11"W 757.14'
N 88°47'37" E 444.90'
N 88°47'37" E 248.45'
N 88°47'37" E 444.59'
N83°31'16"E 823.41'
N 01°17'19" W 811.58' (R2 811.41')
N 56°43'35" E 736.20'

NOTE: EXISTING PARCELS THAT ARE SHOWN, ARE OBTAINED FROM THE WALLA WALLA COUNTY GIS DATABASE.

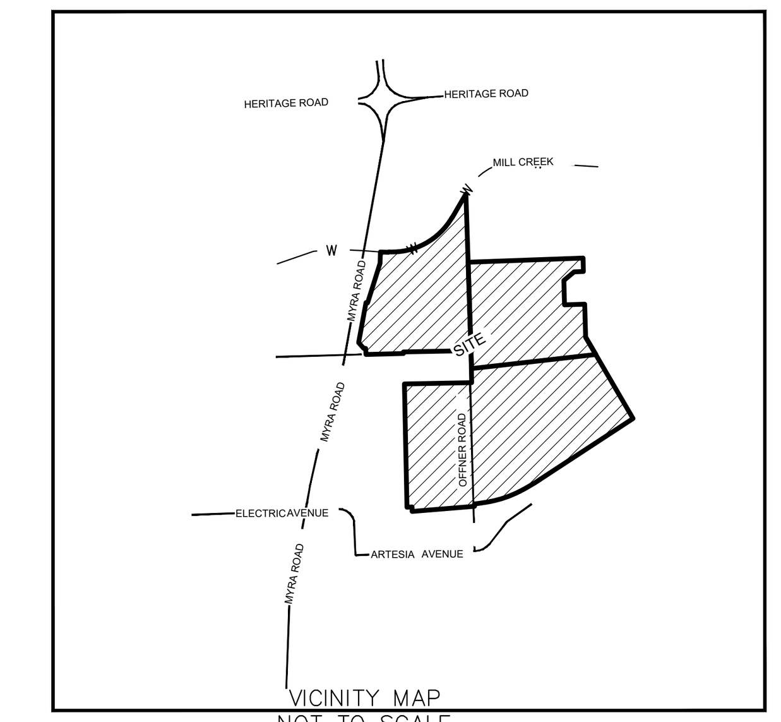
THEY ARE NOT INTENDED FOR LEGAL USE, THEY ARE APPROXIMATE IN LOCATION.

LINE TABLE

LINE	BEARING	DISTANCE	RECORD
L1	N 87°12'34" W	53.09'	(R2 53.24')
L2	S 02°36'55" W	75.00'	(R2 75.27')
L3	N 79°32'49" W	10.00'	(R2)
L4	N 40°23'15" W	50.52'	(R2 50.53')
L5	S 88°47'37" W	13.79'	(R2)
L6	S 01°12'27" E	40.00'	(R2)
L7	N 85°26'06" E	32.79'	(R2 31.96')
L8	N 01°27'15" W	30.04'	(R2 30.05')
L9	N 01°38'42" W	15.27'	MEASURED
L10	S 01°17'19" E	10.00'	(R2)

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	RECORD
C1	457.38'	500.32'	475.75'	N 61°27'11" E	62°40'30"	(R2 500.66')
C2	1451.54'	101.69'	101.66'	N 81°24'59" E	4°00'50"	MEASURED
C3	716.10'	208.51'	207.78'	S 71°04'05" W	16°41'00"	(R1 208.50')
C4	1451.59'	152.01'	151.94'	N 59°43'35" E	6°00'00"	(R1 152.00')



VICINITY MAP
NOT TO SCALE

SECTION DIAGRAM T7N, R35E, W.M. SECTION DIAGRAM T7N, R36E, W.M.

LEGEND

- SECTION LINE
- EXISTING PARCEL LINE
- PARCEL BOUNDARY
- EXISTING CENTERLINE OF ROAD
- EDGE OF GRAVEL
- BUILDING LINE
- TOE LINE
- TOP LINE
- EXISTING RIGHT OF WAY
- OVERHEAD POWER LINE
- EXISTING CONTOUR LINE WITH ELEVATION
- EXISTING IRRIGATION LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE LOCATES
- FENCE LINE WITH GATE POSTS
- EXISTING UNDEGROUND GAS LOCATES
- EDGE OF ASPHALT
- GUTTER FLOWLINE
- TOP BACK OF CURB
- FOUND MONUMENT AS DESCRIBED
- WATER VALVE
- MONITORING WELL
- WATER METER
- WELL
- FIRE HYDRANT
- SPRINKLER HEAD
- SANITARY SEWER MANHOLE
- CATCH BASIN
- LIGHT POLE
- SIGN
- TELEPHONE RISER
- UTILITY POLE WITH UNDERGROUND LINE
- POWER RISER
- JUNCTION BOX
- POWER POLE
- GUY WIRE
- POST
- BOLLARD
- TREE
- MAILBOX

Scale 1" = 100'

100 50 0 100 200 300

BASIS OF BEARING

A WASHINGTON COORDINATE SYSTEM GRID BEARING OR N01°56'42"E ALONG THE WEST LINE OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 19, BETWEEN THE 3/4" PIPE IN A MONUMENT CASE AT THE SOUTHWEST SECTION CORNER OF SECTION 19 AND A 5/8" REBAR WITH A ALUMINUM CAP INSCRIBED TOMKINS SURVEYING AT THE SOUTH 1/16 CORNER OF SECTION 19.
DISTANCES SHOWN ARE GROUND LENGTHS COMPUTED BY MULTIPLYING GRID DISTANCES BY A COMBINED GRID SCALE FACTOR OF 1.00006528831484

DATUM STATEMENT

THE VERTICAL DATUM IS NAVD 88 BASED ON THE CITY OF WALLA WALLA GIS MONUMENT #712 LOCATED AT THE EAST 1/4 CORNER OF SECTION 30.THE CONTOURS SHOWN HEREON WERE DEVELOPED BY DATA COLLECTED WITH TRIMBLE REAL TIME KINEMATIC DUAL FREQUENCY RECEIVERS HAVING AND ACCURACY OF 8MM +/-1 PPM HORIZONTAL AND 15MM +/- 1PPM VERTICAL. A TRIMBLE S6 ROBOTIC TOTAL STATION WAS ALSO USED HAVING ANGULAR ACCURACIES OF 00°00'05" AND 2MM + 2PPM DISTANCE MEASUREMENT AND A TRIMBLE S5 ROBOTIC TOTAL STATION HAVING ANGULAR ACCURACIES OF 00°00'03" AND 2MM + 2PPM DISTANCE MEASUREMENT. THE MONUMENTS SHOWN HEREON WHERE LAST VISITED IN JUNE OF 2020. THIS SURVEY MEETS OR EXCEEDS THE ACCURACY STANDARDS OUTLINED IN WAC 332-130.

GREG E. FLOWERS STATE OF WASHINGTON 19619 REGISTERED PROFESSIONAL LAND SURVEYOR

REFRENCE DOCUMENTS

1. RECORD OF SURVEY BY FLOWERS BOOK 12, PAGE 266
2. RECORD OF SURVEY BY FLOWERS AFN 2009-00662
3. STATUTORY WARRANTY DEED AFN 2015-07662
4. STATUTORY WARRANTY DEED AFN 2015-04135
5. STATUTORY WARRANTY DEED AFN 2015-02106
6. QUITCLAIM DEED AFN 2014-06125

PBS Engineering and Environmental Inc.
5 N Colville St, Ste 200
Walla Walla, WA 99362
509.956.3026

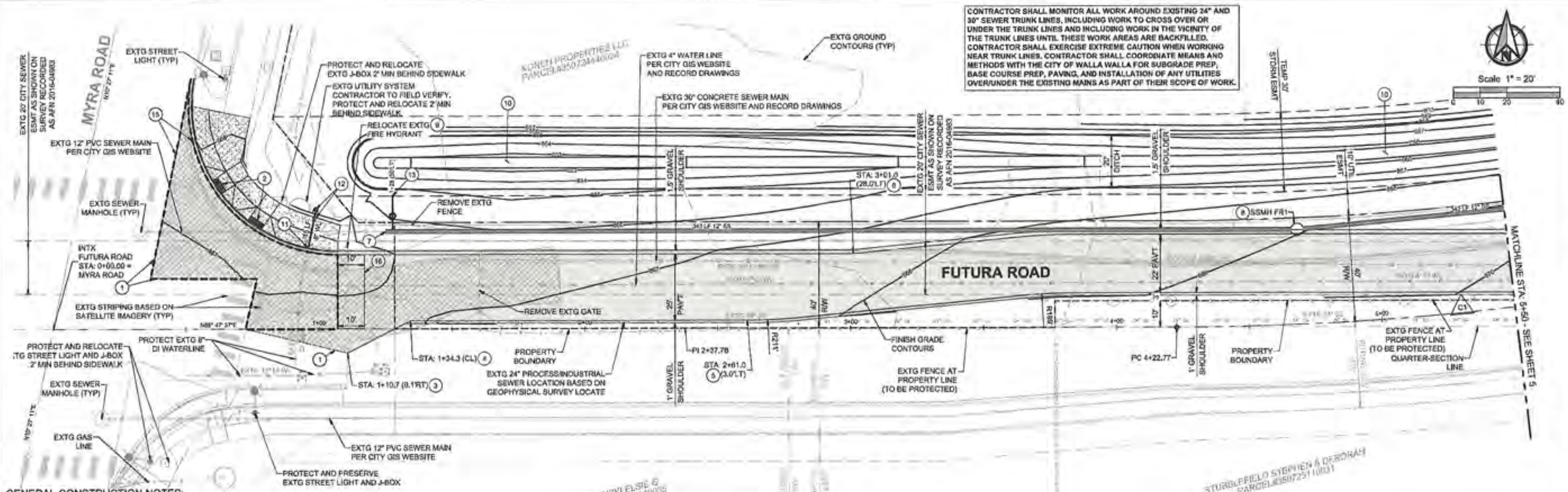
pbsusa.com

CLIENT: KONEN PROPERTIES LLC		PROJECT NO.: 67619
SURVEYOR: GREG E. FLOWERS		DATE: 8/6/2020
CALC BY: GEF	DRAWN BY: RMR	SCALE: 1" =100 '
SECTION: 19, 24, 25, 30	TOWNSHIP: 7 NORTH	RANGE: 35 & 36 EAST
CITY: WALLA WALLA	COUNTY: WALLA WALLA	SHEET 1 OF 1

FUTURA ROAD PLAN AND PROFILE START TO STA 5+50 FOR:

FUTURA ROAD EXTENSION UTILITY EXT. & ACCESS RD

A SITE LOCATED IN THE CITY OF WALLA WALLA, WASHINGTON



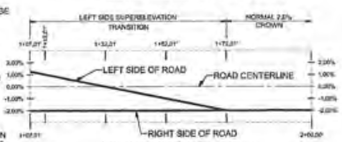
MYRA ROAD
FUTURA ROAD
EXTG 20' CITY SEWER ESMT AS SHOWN ON SURVEY RECORDED AS AFN 2016-04983
EXTG STREET LIGHT (TYP)
EXTG 12" PVC SEWER MAIN PER CITY GIS WEBSITE
EXTG SEWER MANHOLE (TYP)
INTX FUTURA ROAD STA: 0+00.00 = MYRA ROAD
EXTG STRIPING BASED ON SATELLITE IMAGERY (TYP)
PROTECT AND RELOCATE EXTG J-BOX 2' MIN BEHIND SIDEWALK
EXTG UTILITY SYSTEM CONTRACTOR TO FIELD VERIFY. PROTECT AND RELOCATE 2' MIN BEHIND SIDEWALK
RELOCATE EXTG FIRE HYDRANT
REMOVE EXTG FENCE
REMOVE EXTG GATE
EXTG 4" WATER LINE PER CITY GIS WEBSITE AND RECORD DRAWINGS
EXTG 30" CONCRETE SEWER MAIN PER CITY GIS WEBSITE AND RECORD DRAWINGS
EXTG GROUND CONTOURS (TYP)
PROTECT EXTG 8" DI WATERLINE
STA: 1+10.7 (8.1'RT)
STA: 1+34.3 (CL)
PROPERTY BOUNDARY
EXTG 24" PROCESS/INDUSTRIAL SEWER LOCATION BASED ON GEOPHYSICAL SURVEY LOCATE
PI 2+37.78
STA: 2+61.0 (3.0'LT)
FINISH GRADE CONTOURS
EXTG FENCE AT PROPERTY LINE (TO BE PROTECTED)
STA: 3+01.0 (28.0'LT)
PC 4+22.77
SSMH FR1
EXTG FENCE AT PROPERTY LINE (TO BE PROTECTED)
QUARTER-SECTION LINE
MATCHLINE STA: 5+50 - SEE SHEET 5
PROTECT AND RELOCATE EXTG STREET LIGHT AND J-BOX 2' MIN BEHIND SIDEWALK
EXTG GAS LINE
EXTG 12" PVC SEWER MAIN PER CITY GIS WEBSITE
PROTECT AND PRESERVE EXTG STREET LIGHT AND J-BOX
1' GRAVEL SHOULDER
25' PAV'T
40' R/W
1.5' GRAVEL SHOULDER
20' DITCH
22' PAV'T
TEMP 20' STORM ESMT
10' UTIL ESMT
343 LF 12" SS
Scale 1" = 20'

CONTRACTOR SHALL MONITOR ALL WORK AROUND EXISTING 24" AND 30" SEWER TRUNK LINES, INCLUDING WORK TO CROSS OVER OR UNDER THE TRUNK LINES AND INCLUDING WORK IN THE VICINITY OF THE TRUNK LINES UNTIL THESE WORK AREAS ARE BACKFILLED. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR TRUNK LINES. CONTRACTOR SHALL COORDINATE MEANS AND METHODS WITH THE CITY OF WALLA WALLA FOR SUBGRADE PREP, BASE COURSE PREP, PAVING, AND INSTALLATION OF ANY UTILITIES OVER/UNDER THE EXISTING MAINS AS PART OF THEIR SCOPE OF WORK.

GENERAL CONSTRUCTION NOTES:

1. SEE SHEET C-001 AND C-002 FOR GENERAL CONSTRUCTION NOTES AND DETAILS.
2. ELECTRICAL UTILITIES IF SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY AND SHOULD BE VERIFIED WITH RESPECTIVE UTILITY PROVIDER BEFORE CONSTRUCTION. CONTRACTOR SHALL PROVIDE TRENCHING AND BACKFILL FOR ALL UNDERGROUND ELECTRICAL UTILITIES.
3. EXISTING AND PROPOSED GROUND CONTOURS SHOWN AT 1' INTERVALS.
4. FIELD OBSERVATION PRIOR TO CONSTRUCTION OF INFILTRATION GALLERIES WILL BE REQUIRED AND PBS STAFF WILL BE PRESENT TO OBSERVE SUBSURFACE CONDITIONS PRIOR TO INSTALLATION. IN THE EVENT OF OBSERVED CONTAMINATION, PBS WILL RELOCATE THE GALLERIES/FACILITIES TO A SUITABLE LOCATION. SOIL SHALL BE TESTED AT TIME OF CONSTRUCTION FOR ORGANIC MATTER CONTENT AND ACTION EXCHANGE CAPACITY. IF THESE DO NOT MEET A MINIMUM 1% ORGANIC MATTER CONTENT AND MINIMUM 5 MEQ/100G FOR CATION EXCHANGE CAPACITY, AN AMENDED SOIL MATERIAL SHALL BE REQUIRED. PBS CAN PROVIDE AMENDED SOIL RECOMMENDATION AS NEEDED.
5. SEE SHEET C-601 FOR SIGNING, STRIPING AND ILLUMINATION PLAN FOR LAYOUT AND DETAILS.
6. UPON EXCAVATION TO SUBSURFACE OF STRUCTURES, UTILITIES, AND INFILTRATION SYSTEMS, CONTRACTOR SHALL CONTACT ENGINEER FOR VISUAL OBSERVATION OF SUBSURFACE.

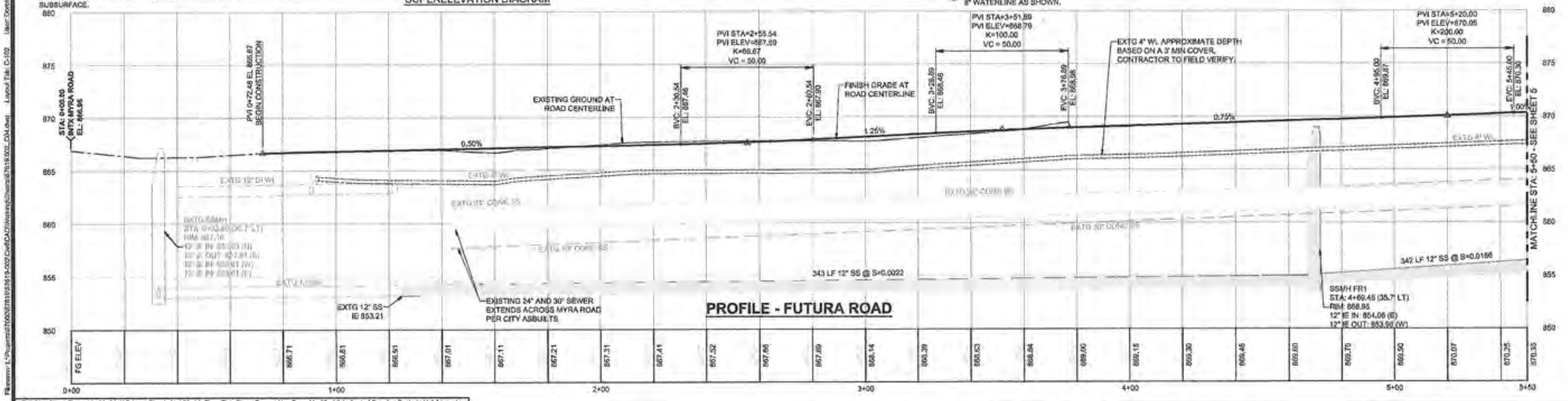
CURVE DATA				
#	Δ	R	L	T
C1	37°42'45"	1100.00	724.03	375.68



SUPERELEVATION DIAGRAM

KEYED CONSTRUCTION NOTES:

1. SAW-CUT A MINIMUM OF 2' WIDTH FROM EXISTING EDGE OF ASPHALT PROVIDING A NEAT VERTICAL EDGE AND REMOVE CUT-OFF PORTION OF EXISTING PAVEMENT. JOIN NEW ASPHALT TO EXISTING PER CITY OF WALLA WALLA STANDARD. MATCH EDGE OF NEW ASPHALT TO EXISTING PROVIDING A SMOOTH TRANSITION.
2. PERPENDICULAR CURB RAMP PER CITY OF WALLA WALLA STANDARD PLAN 2-9. SEE SHEET C-501 FOR ELEVATIONS AND INTERSECTION DETAILS.
3. BEGIN TAPER.
4. END TAPER. BEGIN HALF STREET COLLECTOR ROADWAY SECTION IMPROVEMENTS. SEE TYPICAL SECTION, SHEET C-002.
5. END HALF STREET COLLECTOR ROAD WAY SECTION IMPROVEMENTS. SEE TYPICAL SECTION, SHEET C-003. BEGIN TRANSITION ROADWAY SECTION IMPROVEMENTS.
6. END TRANSITION ROADWAY SECTION IMPROVEMENTS. BEGIN 22' COLLECTOR ROADWAY SECTION. SEE TYPICAL SECTION, SHEET C-002.
7. STA: 1+25.1, 36.7' LT - REMOVE EXISTING CAP AND EXTEND SEWER AS SHOWN.
8. SEWER MANHOLE PER CITY OF WALLA WALLA STANDARD PLAN 3-3. CONTRACTOR TO FIELD VERIFY DEPTH AND LOCATION PRIOR TO CONSTRUCTION. CONTACT ENGINEER IF DIFFERENT.
9. PROTECT AND RELOCATE EXISTING FIRE HYDRANT ASSEMBLY AND EXISTING GATE VALVE TO 2' BEHIND SIDEWALK PER CITY OF WALLA WALLA STANDARD PLAN 4-6. PROVIDE FITTINGS AS REQUIRED. SEE KEYED NOTE 12.
10. BOTTOM AND SIDES OF TEMPORARY DITCH FINISH SURFACE SHALL BE STABILIZED WITH LANDSCAPE ROCK TO BE MAINTAIN BY OWNER/DEVELOPER.
11. STA: 0+95.9, 30.8' LT - REMOVE EXISTING BLOW-OFF AND EXTEND NEW 8" WATERLINE AS SHOWN.
12. STA: 0+98.1, 41.6' LT - FIRE HYDRANT ASSEMBLY - (1) 8"x6" REDUCER, (1) 6" GATE VALVE, 3.5 LF 6" WL. INSTALL HYDRANT ASS'Y AT STA: 0+98.8, 45.1' LT PER CITY OF WALLA WALLA STANDARD PLAN 4-5.
13. SANITARY LATERAL. INSTALL 4" SANITARY SEWER SERVICE AS SHOWN FOR FUTURE LOTS AND INSTALL LOCATE POST PER CITY OF WALLA WALLA STANDARD PLAN 3-9. SERVICE UNDER EXISTING SEWER MAIN SHALL BE DIRECTIONALLY DRILLED.
14. NOT USED.
15. ASPHALT SECTION DELINEATED AROUND CURB RETURN UP TO SAWCUT AND ROAD CENTERLINE SHALL BE 5" THICK, PER TYPICAL WIDENING ROADWAY SECTION ON SHEET C-002.
16. ASPHALT AREA DELINEATED SHALL TRANSITION FROM A 5" THICK ASPHALT SECTION TO A 3" THICK ASPHALT SECTION OVER A MINIMUM DISTANCE OF 10 FEET. MAINTAIN SUBGRADE AT UNIFORM ELEVATION BENEATH ASPHALT.



STA: 0+00.00 INTX MYRA ROAD EL: 866.96
PVI 0+72.48 EL 865.87 BEGIN CONSTRUCTION
EXISTING GROUND AT ROAD CENTERLINE
PVI STA=2+55.54 PVI ELEV=867.69 K=66.67 VC = 50.00
BVC: 2+30.54 EL: 867.46
EVC: 2+80.54 EL: 867.90
FINISH GRADE AT ROAD CENTERLINE
PVI STA=3+51.89 PVI ELEV=868.79 K=100.00 VC = 50.00
BVC: 3+26.89 EL: 868.46
EVC: 3+76.89 EL: 868.98
EXTG 4" WL APPROXIMATE DEPTH BASED ON A 3' MIN COVER, CONTRACTOR TO FIELD VERIFY.
PVI STA=5+20.00 PVI ELEV=870.05 K=200.00 VC = 50.00
BVC: 4+95.00 EL: 869.87
EVC: 5+45.00 EL: 870.30
0.50%
1.25%
0.75%
343 LF 12" SS @ S=0.0022
342 LF 12" SS @ S=0.0186
EXTG 12" SS IE 853.21
EXISTING 24" AND 30" SEWER EXTENDS ACROSS MYRA ROAD PER CITY ASBUILTS
SSMH FR1 STA: 4+69.45 (35.7' LT) RIM: 868.95 12" IE IN: 854.08 (E) 12" IE OUT: 853.98 (W)
MATCHLINE STA: 5+50 - SEE SHEET 5
FG ELEV
866.71 866.81 866.91 867.01 867.11 867.21 867.31 867.41 867.52 867.66 867.89 868.14 868.39 868.63 868.84 869.00 869.15 869.30 869.45 869.60 869.75 869.90 870.07 870.25 870.35
0+00 1+00 2+00 3+00 4+00 5+00 5+50
850 855 860 865 870 875 880

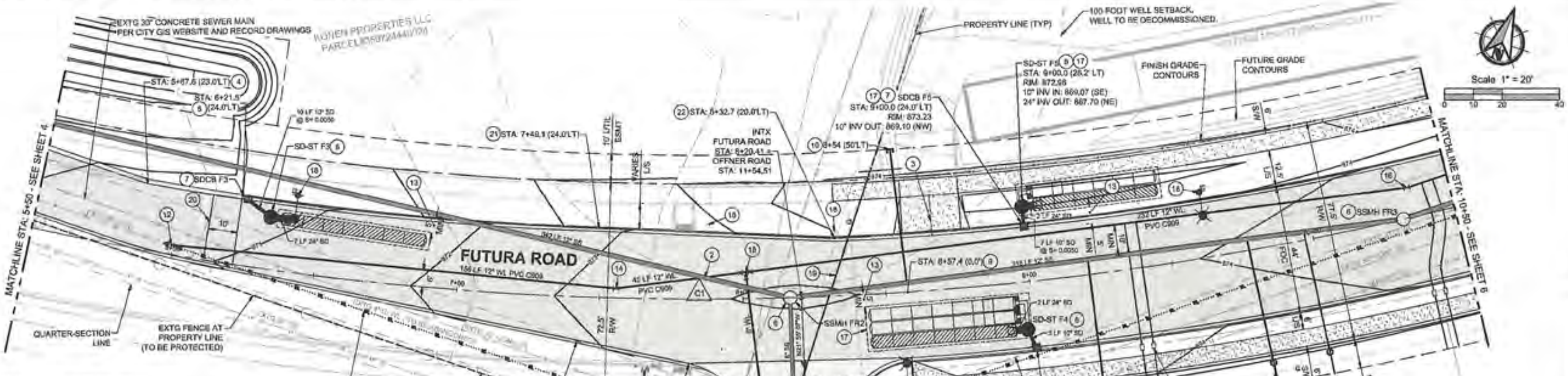
PROFILE - FUTURA ROAD

Full Size Sheet Format is 22x34; If Printed Size is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale is Not Accurate.

PBS Engineering and Environmental Inc.
5 N Colville St, Ste 200
Walla Walla, WA 99362
509.956.3026
pbsusa.com

811 Know what's below. Call before you dig.

DESIGNED:	BMW / DCC
CHECKED:	SG / JMM
	JUNE 2024
	67616.002
SHEET ID	C-102
SHEET	4 OF 21



CONTRACTOR SHALL MONITOR ALL WORK AROUND EXISTING 24" AND 30" SEWER TRUNK LINES, INCLUDING WORK TO CROSS OVER OR UNDER THE TRUNK LINES AND INCLUDING WORK IN THE VICINITY OF THE TRUNK LINES UNTIL THESE WORK AREAS ARE BACKFILLED. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR TRUNK LINES. CONTRACTOR SHALL COORDINATE MEANS AND METHODS WITH THE CITY OF WALLA WALLA FOR SUBGRADE PREP, BASE COURSE PREP, PAVING, AND INSTALLATION OF ANY UTILITIES OVER/UNDER THE EXISTING MAINS AS PART OF THEIR SCOPE OF WORK.

GENERAL CONSTRUCTION NOTES:

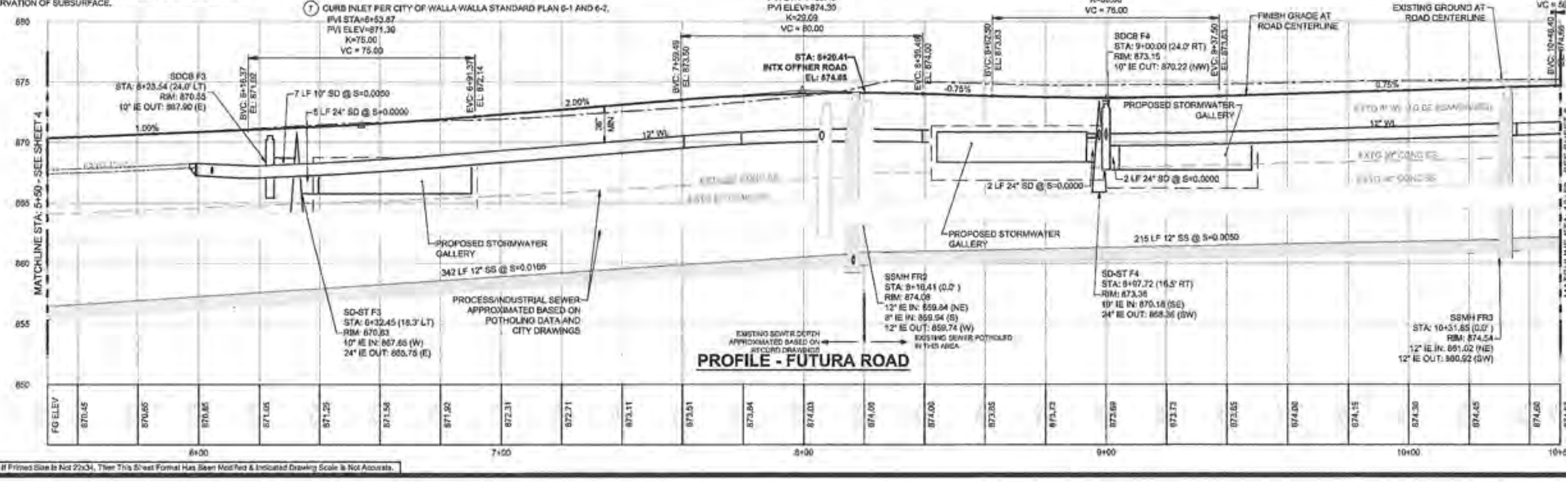
1. SEE SHEET C-001 AND C-002 FOR GENERAL CONSTRUCTION NOTES AND DETAILS.
2. ELECTRICAL UTILITIES IF SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY AND SHOULD BE VERIFIED WITH RESPECTIVE UTILITY PROVIDER BEFORE CONSTRUCTION. CONTRACTOR SHALL PROVIDE TRENCHING AND BACKFILL FOR ALL UNDERGROUND ELECTRICAL UTILITIES.
3. EXISTING AND PROPOSED, AND FUTURE GROUND CONTOURS SHOWN AT 1' INTERVALS.
4. FIELD OBSERVATION PRIOR TO CONSTRUCTION OF INFILTRATION GALLERIES WILL BE REQUIRED AND PBS STAFF WILL BE PRESENT TO OBSERVE SUBSURFACE CONDITIONS PRIOR TO INSTALLATION. IN THE EVENT OF OBSERVED CONTAMINATION, PBS WILL RELOCATE THE GALLERIES/FACILITIES TO A SUITABLE LOCATION. SOIL SHALL BE TESTED AT TIME OF CONSTRUCTION FOR ORGANIC MATTER CONTENT AND ACTION EXCHANGE CAPACITY. IF THESE DO NOT MEET A MINIMUM 1% ORGANIC MATTER CONTENT AND MINIMUM 5 MEQ/100G FOR CATION EXCHANGE CAPACITY, AN AMENDED SOIL MATERIAL SHALL BE REQUIRED. PBS CAN PROVIDE AMENDED SOIL RECOMMENDATION AS NEEDED.
5. UPON EXCAVATION TO SUBSURFACE OF STRUCTURES, UTILITIES, AND INFILTRATION SYSTEMS, CONTRACTOR SHALL CONTACT ENGINEER FOR VISUAL OBSERVATION OF SUBSURFACE.

KEYED CONSTRUCTION NOTES:

1. EXISTING MONITORING WELL AND BOLLARDS TO BE PRESERVED AND PROTECTED.
2. WATER AND SEWER CROSSING TO BE PER CITY OF WALLA WALLA STANDARD PLAN 3-1.
3. STA: 6+67.3, 24.0' LT - CENTERLINE 20' COMMERCIAL DRIVEWAY FOR FUTURE STORAGE FACILITY PER CITY OF WALLA WALLA STANDARD PLAN 2-11. STATION AND OFFSET TO CENTER OF DRIVEWAY AT FACE OF CURB. INSTALL DRIVEWAY TO DRAIN TOWARD FUTURA.
4. END 22' COLLECTOR ROADWAY SECTION IMPROVEMENTS. BEGIN TRANSITION WIDENING ROADWAY SECTION IMPROVEMENTS. SEE TYPICAL SECTION, SHEET C-002.
5. END TRANSITION WIDENING ROADWAY SECTION IMPROVEMENTS. BEGIN TYPICAL WIDENING ROADWAY SECTION IMPROVEMENTS. SEE TYPICAL SECTION, SHEET C-002.
6. SEWER MANHOLE PER CITY OF WALLA WALLA STANDARD PLAN 3-2.
7. CURB INLET PER CITY OF WALLA WALLA STANDARD PLAN 6-1 AND 6-2.
8. INFILTRATION GALLERY PER DETAILS ON SHEET C-002, C-003 AND C-004. SEE GENERAL CONSTRUCTION NOTE 4, THIS SHEET.
9. END WIDENING ROADWAY SECTION IMPROVEMENTS. BEGIN 44' LOCAL ROADWAY SECTION IMPROVEMENTS. SEE TYPICAL SECTION, SHEET C-002.
10. SANITARY LATERAL (TYP). INSTALL 4" SANITARY SEWER SERVICE AS SHOWN FOR FUTURE LOTS AND INSTALL LOCATE POST PER CITY OF WALLA WALLA STANDARD PLAN 3-9. SERVICE UNDER EXISTING SEWER MAIN SHALL BE DIRECTIONALLY DRILLED.
11. WATER SERVICE (TYP). INSTALL 1" WATER SERVICE AND METER AS SHOWN FOR FUTURE LOTS AND INSTALL MARKER POST PER CITY OF WALLA WALLA STANDARD PLANS 4-3A AND 4-3B.
12. STA: 5+99.4, 3.3' LT - CONNECT TO EXISTING 4" WL. INSTALL 12"x4" REDUCER WITH (1) 12" 11.25° BEND WITH RESTRAINED JOINTS.
13. MAINTAIN MINIMUM 5' HORIZONTAL SEPARATION BETWEEN INFILTRATION GALLERY DRAIN ROCK LIMITS AND UTILITY TRENCH LIMITS (TYP).
14. STA: 7+55.8, 3.2' LT - INSTALL 12" 11.25° MJ BEND WITH RESTRAINED JOINTS.
15. STA: 8+01.6, 8.2' LT - 12"x8" TEE WITH RESTRAINED JOINTS, (2) 12" BUTTERFLY VALVES, (1) 8" FLxMJ GATE VALVES PER CITY OF WALLA WALLA STANDARD PLAN 4-1A.
16. STA: 10+35.8, 10.4' LT - INSTALL 12" 11.25° MJ BEND WITH RESTRAINED JOINTS.
17. MAINTAIN STORM FACILITY OUTSIDE OF WELL SETBACK.
18. SEE SIGNING, STRIPING, & ILLUMINATION PLAN ON SHEET C-801 FOR LAYOUT AND DETAILS.
19. REMOVE EXISTING FENCE BETWEEN PROPERTY CORNER AND RIGHT-OF-WAY, BETWEEN STA: 6+08.50 (59.6' RT) AND STA: 6+46.27 (49.0' LT). RELINQUISH TO OWNER, OR DISPOSE OF IN LEGAL MANNER IF DIRECTED BY OWNER.
20. ASPHALT AREA DELINEATED SHALL TRANSITION FROM A 3" THICK ASPHALT SECTION TO A 5" THICK ASPHALT SECTION OVER A MINIMUM DISTANCE OF 10 FEET. MAINTAIN SUBGRADE AT UNIFORM ELEVATION BENEATH ASPHALT.
21. BEGIN TAPER TRANSITION.
22. END TAPER TRANSITION.

CURVE DATA

#	Δ	R	L	T
C1	37°42'45"	1100.00	724.03	375.68



PROFILE - FUTURA ROAD

FUTURA ROAD PLAN AND PROFILE STA 5+50 TO STA 10+50 FOR:
FUTURA ROAD EXTENSION UTILITY EXT. & ACCESS RD
A SITE LOCATED IN THE CITY OF WALLA WALLA, WASHINGTON

PBS

DESIGNED: BMW / DCC
CHECKED: SG / JVM
JUNE 2024
67619.002
SHEET ID C-103
SHEET 5 OF 21

Appendix D
Inadvertent Discovery Plan

INADVERTENT DISCOVERY PLAN

PLAN AND PROCEDURES FOR THE DISCOVERY OF CULTURAL RESOURCES AND HUMAN SKELETAL REMAINS

To request ADA accommodation, including materials in a format for the visually impaired, call Ecology at 360-407-6000 or visit https://ecology.wa.gov/accessibility. People with impaired hearing may call Washington Relay Service at 711. People with a speech disability may call TTY at 877-833-6341.

Site Name(s): Stubblefield Salvage Yard Location: Walla Walla

Project Lead/Organization: Ecology TCP County: Walla Walla

If this Inadvertent Discovery Plan (IDP) is for multiple (batched) projects, ensure the location information covers all project areas.

1. INTRODUCTION

The IDP outlines procedures to perform in the event of a discovery of archaeological materials or human remains, in accordance with applicable state and federal laws. An IDP is required, as part of Agency Terms and Conditions for all grants and loans, for any project that creates disturbance above or below the ground. An IDP is not a substitute for a formal cultural resource review (Executive 21-02 or Section 106).

Once completed, **the IDP shall always be kept at the project site** during all project activities. All staff, contractors, and volunteers shall be familiar with its contents and know where to find it.

2. CULTURAL RESOURCE DISCOVERIES

A cultural resource discovery could be prehistoric or historic artifacts. Examples include (see images for further examples):

- An accumulation of shell, burned rocks, or other food related materials.
- Bones, intact or in small pieces.
- An area of charcoal or very dark stained soil with artifacts.
- Stone tools or waste flakes (for example, an arrowhead or stone chips).
- Modified or stripped trees, often cedar or aspen, or other modified natural features, such as rock drawings.
- Agricultural or logging materials that appear older than 50 years. These could include equipment, fencing, canals, spillways, chutes, derelict sawmills, tools, and many other items.
- Clusters of tin cans or bottles, or other debris that appear older than 50 years.
- Old munitions casings. ***Always assume these are live and never touch or move.***
- Buried railroad tracks, decking, foundations, or other industrial materials.
- Remnants of homesteading. These could include bricks, nails, household items, toys, food containers, and other items associated with homes or farming sites.

The above list does not cover every possible cultural resource. When in doubt, assume the material is a cultural resource.

3. ON-SITE RESPONSIBILITIES

If any employee, contractor, or subcontractor believes that they have uncovered cultural resources or human remains at any point in the project, take the following steps to ***Stop-Protect-Notify***. **If you suspect that the discovery includes human remains, also follow Sections 5 and 6.**

STEP A: Stop Work.

All work must stop immediately in the vicinity of the discovery.

STEP B: Protect the Discovery.

Leave the discovery and the surrounding area untouched and create a clear, identifiable, and wide boundary (30 feet or larger) with temporary fencing, flagging, stakes, or other clear markings. Provide protection and ensure integrity of the discovery until cleared by the Department of Archaeological and Historical Preservation (DAHP) or a licensed, professional archaeologist.

Do not permit vehicles, equipment, or unauthorized personnel to traverse the discovery site. Do not allow work to resume within the boundary until the requirements of this IDP are met.

STEP C: Notify Project Archaeologist (if applicable).

If the project has an archaeologist, notify that person. If there is a monitoring plan in place, the archaeologist will follow the outlined procedure.

STEP D: Notify Project and Washington Department of Ecology (Ecology) contacts.

Project Lead Contacts

Primary Contact		Alternate Contact	
Name:	Same as Ecology contact	Name:	Sandra Treccani
Organization:		Organization:	Ecology Toxics Cleanup Program
Phone:		Phone:	509 724-1205
Email:		Email:	satr461@ecy.wa.gov

Ecology Contacts (completed by Ecology Project Manager)

Ecology Project Manager		Alternate or Cultural Resource Contact	
Name:	Katie Larimer	Name:	Ali Furmall
Program:	Toxics Cleanup Program	Program:	Toxics Cleanup Program
Phone:	509 319-6602	Phone:	509 655-0538
Email:	khal461@ecy.wa.gov	Email:	ali.furmall@ecy.wa.gov

STEP E: Ecology will notify DAHP.

Once notified, the Ecology Cultural Resource Contact or the Ecology Project Manager will contact DAHP to report and confirm the discovery. To avoid delay, the Project Lead/Organization will contact DAHP if they are not able to reach Ecology.

DAHP will provide the steps to assist with identification. DAHP, Ecology, and Tribal representatives may coordinate a site visit following any necessary safety protocols. DAHP may also inform the Project Lead/Organization and Ecology of additional steps to further protect the site.

Do not continue work until DAHP has issued an approval for work to proceed in the area of, or near, the discovery.

DAHP Contacts:

Name: Rob Whitlam, PhD
Title: State Archaeologist
Cell: 360-890-2615
Email: Rob.Whitlam@dahp.wa.gov
Main Office: 360-586-3065

Human Remains/Bones:

Name: Guy Tasa, PhD
Title: State Anthropologist
Cell: 360-790-1633 (24/7)
Email: Guy.Tasa@dahp.wa.gov

4. TRIBAL CONTACTS

In the event cultural resources are discovered, the following tribes will be contacted. See Section 10 for Additional Resources.

Tribe: Nez Perce Tribe
Name: Aaron Miles
Title: Acting Director, Cultural Resources Program
Phone: 208-621-3847
Email: 2moon@nezperce.org

Tribe: Confederated Tribes and Bands of the Yakama Nation
Name: Rose Ferri
Title: THPO
Phone: 509-307-2009
Email: rose_terri@yakama.com

Tribe: Confederated Tribes of the Umatilla Indian Reservation
Name: Teara Farrow Ferman
Title: Manager, Cultural Resources Protection Program
Phone: 541-276-2447
Email: tearafarrowferman@ctuir.org

Tribe: Confederated Tribes of the Colville Reservation
Name: Guy Moura
Title: THPO
Phone: 509-634-2695
Email: guy.moura@colvilletribes.com

Please provide contact information for additional tribes within your project area, if needed, in Section 11.

5. FURTHER CONTACTS (if applicable)

If the discovery is confirmed by DAHP as a cultural or archaeological resource, or as

human remains, and there is a partnering federal or state agency, Ecology or the Project Lead/Organization will ensure the partnering agency is immediately notified.

Federal Agency:	State Agency:
Agency:	Agency:
Name:	Name:
Title:	Title:
Phone:	Phone:
Email:	Email:

6. SPECIAL PROCEDURES FOR THE DISCOVERY OF HUMAN SKELETAL REMAINS

Any human skeletal remains, regardless of antiquity or ethnic origin, will at all times be treated with dignity and respect. Follow the steps under ***Stop-Protect-Notify.*** For specific instructions on how to handle a human remains discovery, see: *RCW 68.50.645: Skeletal human remains—Duty to notify—Ground disturbing activities—Coroner determination—Definitions*.

Suggestion: If you are unsure whether the discovery is human bone or not, contact Guy Tasa with DAHP, for identification and next steps. Do not pick up the discovery.

Guy Tasa, PhD State Physical Anthropologist
Guy.Tasa@dahp.wa.gov
(360) 790-1633 (Cell/Office)

For discoveries that are confirmed or suspected human remains, follow these steps:

1. Notify law enforcement and the Medical Examiner/Coroner using the contacts below. **Do not call 911** unless it is the only number available to you.

   Enter contact information below (required):

   - Local Medical Examiner or Coroner name and phone: Richard Greenwood, 509-524-2845
   - Local Law Enforcement main name and phone: Chris Buttice, 509-527-4434
   - Local Non-Emergency phone number (911 if without a non-emergency number): 509-527-1960

2. The Medical Examiner/Coroner (with assistance of law enforcement personnel) will determine if the remains are human or if the discovery site constitutes a crime scene and will notify DAHP.
3. **DO NOT speak with the media, allow photography or disturbance of the remains, or release any information about the discovery on social media.**
4. If the remains are determined to be non-forensic, cover the remains with a tarp or other materials (not soil or rocks) for temporary protection and to shield them from being photographed by others or disturbed.

Further activities:

- Per RCW 27.44.055, RCW 68.50, and RCW 68.60, DAHP will have jurisdiction over non-forensic human remains. Ecology staff will participate in consultation. The Project Lead/Organization may also participate in consultation.
- Documentation of human skeletal remains and funerary objects will be agreed upon through the consultation process described in RCW 27.44.055, RCW 68.50, and RCW 68.60.
- When consultation and documentation activities are complete, work in the discovery area may resume as described in Section 8.

If the project occurs on federal lands (such as a national forest or park or a military reservation) the provisions of the Native American Graves Protection and Repatriation Act of 1990 (NAGPRA) apply and the responsible federal agency will follow its provisions. Note that state highways that cross federal lands are on an easement and are not owned by the state.

If the project occurs on non-federal lands, the Project Lead/Organization will comply with applicable state and federal laws, and the above protocol.

7. DOCUMENTATION OF ARCHAEOLOGICAL MATERIALS

Archaeological resources discovered during construction are protected by state law RCW 27.53 and assumed eligible for inclusion in the National Register of Historic Places under Criterion D until a formal Determination of Eligibility is made.

The Project Lead/Organization must ensure that proper documentation and field assessments are made of all discovered cultural resources in cooperation with all parties: the federal agencies (if any), DAHP, Ecology, affected tribes, and the archaeologist.

An archaeologist will record all prehistoric and historic cultural material discovered during project construction on a standard DAHP archaeological site or isolate inventory form. They will photograph site overviews, features, and artifacts and prepare stratigraphic profiles and soil/sediment descriptions for minimal subsurface exposures. They will document discovery locations on scaled site plans and site location maps.

Cultural features, horizons, and artifacts detected in buried sediments may require the archaeologist to conduct further evaluation using hand-dug test units. They will excavate units in a controlled fashion to expose features, collect samples from undisturbed contexts, or to interpret complex stratigraphy. They may also use a test unit or trench excavation to determine if an intact occupation surface is present. They will only use test units when necessary to gather information on the nature, extent, and integrity of subsurface cultural deposits to evaluate the site's significance. They will conduct excavations using standard archaeological techniques to precisely document the location of cultural deposits, artifacts, and features.

The archaeologist will record spatial information, depth of excavation levels, natural and cultural stratigraphy, presence or absence of cultural material, and depth to sterile soil, regolith, or bedrock for each unit on a standard form. They will complete test excavation unit level forms, which will include plan maps for each excavation level and artifact counts and material types, number, and vertical provenience (depth below surface and

stratum association where applicable) for all recovered artifacts. They will draw a stratigraphic profile for at least one wall of each test excavation unit.

The archaeologist will screen sediments excavated for purposes of cultural resources investigation through 1/8-inch mesh, unless soil conditions warrant 1/4-inch mesh.

The archaeologist will analyze, catalogue, and temporarily curate all prehistoric and historic artifacts collected from the surface and from probes and excavation units. The ultimate disposition of cultural materials will be determined in consultation with the federal agencies (if any), DAHP, Ecology, and the affected tribe(s).

Within 90 days of concluding fieldwork, the archaeologist will provide a technical report describing any and all monitoring and resultant archaeological excavations to the Project Lead/Organization, who will forward the report to Ecology, the federal agencies (if any), DAHP, and the affected tribe(s) for review and comment.

If assessment activities expose human remains (burials, isolated teeth, or bones), the archaeologist and Project Lead/Organization will follow the process described in **Section 6**.

8. PROCEEDING WITH WORK

The Project Lead/Organization shall work with the archaeologist, DAHP, and affected tribe(s) to determine the appropriate discovery boundary and where work can continue.

Work may continue at the discovery location only after the process outlined in this plan is followed and the Project Lead/Organization, DAHP, any affected tribe(s), Ecology, and the federal agencies (if any) determine that compliance with state and federal laws is complete.

9. ORGANIZATION RESPONSIBILITY

The Project Lead/Organization is responsible for ensuring:

- This IDP has complete and accurate information.
- This IDP is immediately available to all field staff at the site and available by request to any party.
- This IDP is implemented to address any discovery at the site.
- That all field staff, contractors, and volunteers are instructed on how to implement this IDP.

10. ADDITIONAL RESOURCES

Informative Video

Ecology recommends that all project staff, contractors, and volunteers view this informative video explaining the value of IDP protocol and what to do in the event of a discovery. The target audience is anyone working on the project who could unexpectedly find cultural resources or human remains while excavating or digging. The video is also posted on DAHP's inadvertent discovery language website.

Ecology's IDP Video (https://www.youtube.com/watch?v=ioX-4cXfbDY)

Informational Resources

DAHP (https://dahp.wa.gov)

Washington State Archeology (DAHP 2003)
(https://dahp.wa.gov/sites/default/files/Field%20Guide%20to%20WA%20Arch_0.pdf)

Association of Washington Archaeologists (https://www.archaeologyinwashington.com)

Potentially Interested Tribes

Tribal Contacts: Interactive Map of Tribes by Area
(https://dahp.wa.gov/archaeology/tribal-consultation-information)

Tribal Contacts - WSDOT Tribal Contact Website
(https://wsdot.wa.gov/tribal/TribalContacts.htm)

11. ADDITIONAL INFORMATION

Please add any additional contact information or other information needed within this IDP.

Implement the IDP if you see…

Chipped stone artifacts.

Examples are:

- Glass-like material.
- Angular material.
- “Unusual” material or shape for the area.
- Regularity of flaking.
- Variability of size.

Stone artifacts from Oregon.

Stone artifacts from Washington.

Biface-knife, scraper, or pre-form found in NE Washington. Thought to be a well knapped object of great antiquity. Courtesy of Methow Salmon Rec. Foundation.

Implement the IDP if you see…

Ground stone artifacts.

Examples are:

- Unusual or unnatural shapes or unusual stone.
- Striations or scratching.
- Etching, perforations, or pecking.
- Regularity in modifications.
- Variability of size, function, or complexity.

Above: Fishing Weight - credit CRITFC Treaty Fishing Rights website.

Artifacts from unknown locations (left and right images).

Implement the IDP if you see…

Bone or shell artifacts, tools, or beads.

Examples are:

- Smooth or carved materials.
- Unusual shape.
- Pointed as if used as a tool.
- Wedge shaped like a “shoehorn”.
- Variability of size.
- Beads from shell (dentalium) or tusk.

Upper Left:*Bone Awls from Oregon.*

Upper Center: *Bone Wedge from California.*

Upper Right: *Plateau dentalium choker and bracelet, from Nez Perce National Historical Park, 19th century, made using Antalis pretiosa shells Credit: Nez Perce - Nez Perce National Historical Park, NEPE 8762, Public Domain.*

Above: *Tooth Pendants.*

Right: Bone Pendants. Both from Oregon and Washington.

Implement the IDP if you see…

Culturally modified trees, fiber, or wood artifacts.

Examples are:

- Trees with bark stripped or peeled, carvings, axe cuts, de-limbing, wood removal, and other human modifications.
- Fiber or wood artifacts in a wet environment.
- Variability of size, function, and complexity.

Left and Below: *Culturally modified tree and an old carving on an aspen (Courtesy of DAHP). These are examples of above ground cultural resources.*

Right, Top to Bottom: *Artifacts from Mud Bay, Olympia: Toy war club, two strand cedar rope, wet basketry*.

Implement the IDP if you see…

Strange, different, or interesting looking dirt, rocks, or shells.

Human activities leave traces in the ground that may or may not have artifacts associated with them. Examples are:

- "Unusual" accumulations of rock (especially fire-cracked rock).
- "Unusual" shaped accumulations of rock (such as a shape similar to a fire ring).
- Charcoal or charcoal-stained soils, burnt-looking soils, or soil that has a "layer cake" appearance.
- Accumulations of shell, bones, or artifacts. Shells may be crushed.
- Look for the "unusual" or out of place (for example, rock piles in areas with otherwise few rocks).

Shell Midden pocket in modern fill discovered in sewer trench.

Underground oven. Courtesy of DAHP.

Shell Midden with fire cracked rock.

Hearth excavated near Hamilton, WA.

Implement the IDP if you see…

Historic period artifacts (historic archaeology considered older than 50 years).

Examples are:

- Agricultural or logging equipment. May include equipment, fencing, canals, spillways, chutes, derelict sawmills, tools, etc.
- Domestic items including square or wire nails, amethyst colored glass, or painted stoneware.

Left: Top to Bottom: *Willow pattern serving bowl and slip joint pocket knife discovered during Seattle Smith Cove shantytown (45-KI-1200) excavation.*

Right: *Collections of historic artifacts discovered during excavations in eastern Washington cities.*

Implement the IDP if you see…

Historic period artifacts (historic archaeology considered older than 50 years).

Examples are:

- Railway tokens, coins, and buttons.
- Spectacles, toys, clothing, and personal items.
- Items helping to understand a culture or identity.
- Food containers and dishware.

Main Image: *Dishes, bottles, work boot found at the North Shore Japanese bath house (ofuro) site, Courtesy Bob Muckle, Archaeologist, Capilano University, B.C. This is an example of an above ground resource.*

Right, from Top to Bottom: *Coins, token, spectacles and Montgomery Ward pitchfork toy discovered during Seattle Smith Cove shantytown (45-KI-1200) excavation.*

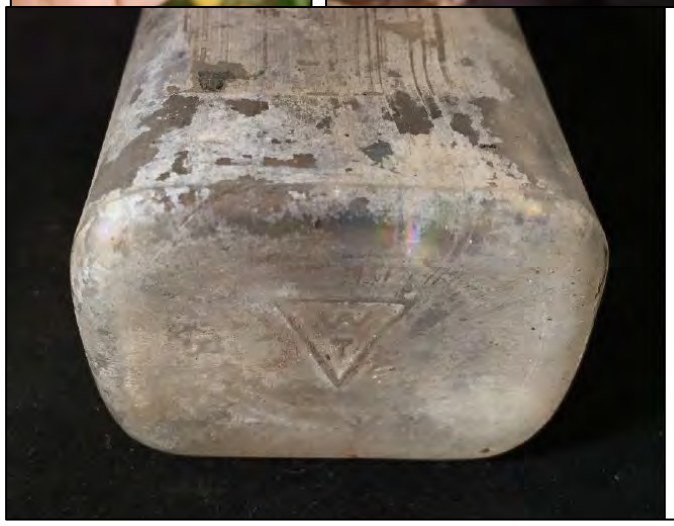
Implement the IDP if you see…

- Old munition casings – if you see ammunition of any type – ***always assume they are live and never touch or move!***
- Tin cans or glass bottles with an older manufacturer's technique – maker's mark, distinct colors such as turquoise, or an older method of opening the container.

Far Left: *.303 British cartridge found by a WCC planting crew on Skagit River.* ***Don't ever touch something like this!***

Left: *Maker's mark on bottom of old bottle.*

Right: *Old beer can found in Oregon. ACME was owned by Olympia Brewery. Courtesy of Heather Simmons.*



Logo employed by Whithall Tatum & Co. between 1924 to 1938 (Lockhart et al. 2016).

Can opening dates, courtesy of W.M. Schroeder.

Implement the IDP if you see…

Historic foundations or buried structures.

Examples are:

- Foundations.
- Railroad and trolley tracks.
- Remnants of structures.

Counter Clockwise, Left to Right: *Historic structure 45KI924, in WSDOT right of way for SR99 tunnel. Remnants of Smith Cove shantytown (45-KI-1200) discovered during Ecology CSO excavation, City of Spokane historic trolley tracks (above ground historic resources) uncovered during stormwater project, intact foundation of historic home that survived the Great Ellensburg Fire of July 4, 1889, uncovered beneath parking lot in Ellensburg.*

Implement the IDP if you see…

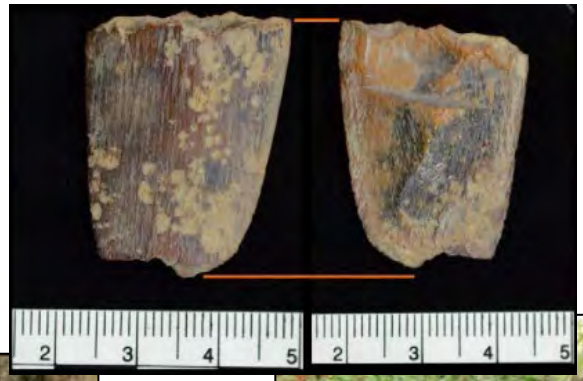
Potential human remains.

Examples are:

- Grave headstones that appear to be older than 50 years.
- Bones or bone tools--intact or in small pieces. It can be difficult to differentiate animal from human so they must be identified by an expert.
- These are all examples of animal bones and are not human.

Center: *Bone wedge tool, courtesy of Smith Cove Shantytown excavation (45KI1200).*

Other images (Top Right, Bottom Left, and Bottom) Center: Courtesy of DAHP.



Directly Above: *This is a real discovery at an Ecology sewer project site.*

What would you do if you found these items at a site? Who would be the first person you would call?

Hint: *Read the plan!*