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Phase II
Environmental Site Assessment

Conducted on

Special Interest Auto Wrecking

25923 78th Avenue South
Kent, WA 98032

Prepared for

GK Transport Llc.

22322 114th Place Southeast
Kent, WA 98031

Prepared by

Envitechnology, Inc.

9805 NE 116th Street, Suite 300
Kirkland, WA 98034

February 10, 2021
Project No. 02201224-1

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February 10, 2021

Project number 02201224-1

Mr. Jaspreet Singh
GK Transport Llc.
22322 114th Place Southeast
Kent, WA 98031

Subject: Phase II Environmental Site Assessment
Special Interest Auto Wrecking
25923 78th Avenue South, Kent, WA 98032

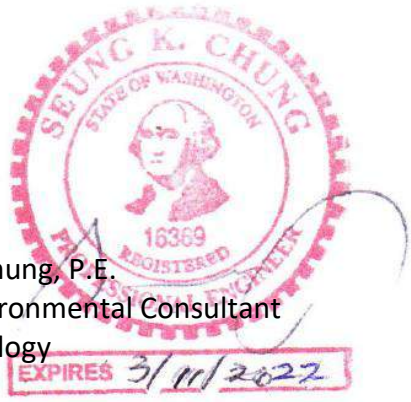
Envitechnology. Inc. is pleased to submit our report describing the finding of the Subsurface Investigation performed at the above property.

The purpose of this assessment is to evaluate the Recognized Environmental Conditions (RECs) for the purpose of providing sufficient information regarding the nature and extent of contamination to assist in making informed business decisions about the property; and where applicable, providing the level of knowledge necessary to satisfy the innocent purchaser defense under CERCLA.

This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase II ESA Process (ASTM Designation: E1903).

If you have any questions or require further clarification of the report findings, please contact the undersigned at your convenience. Thank you for the opportunity to be of service to you.

Yours very truly,



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ICC Certified Washington State Site Assessor (5264460-U7)
ICC Certified UST Decommissioning (5264460-U2)
ICC Certified UST Installation/Retrofitting (5264460-U5)

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1. EXECUTIVE SUMMARY

Th Subject Property was used as an auto salvage yard from the 1970s to present. Operations included stockpiling of old tires, scarp cars, and automotive parts. The environmental concern with salvage yard is the issue with soil and groundwater contamination with various contaminants such as petroleum hydrocarbons, heavy metals, MTBE, PCBs, PAHs, and VOCs.

A total of ten (10) soil borings were advanced into native soils on January 21, 2020. Five (5) soil borings (B1 through B5) were advanced in the south portion of the Site to a depth of 5 feet bgs. Five (5) soil borings (B6 through B10) were advanced in the north portion of the Site along the northern property boundary closed to Green River to a depth of 20 feet bgs.

Total twenty (20) soil samples were collected from the Site. Two (2) undisturbed soil samples were collected from each borehole – one shallow sample at 6 inches bgs and one deeper sample at a boring depth of 5 or 15 feet bgs. Five (5) groundwater samples (W6 through W10) were collected from boreholes (B6 through B10), respectively. Groundwater was encountered at a depth of 15 feet bgs during soil borings.

The soil borings were extended up to 20 feet below ground surface (bgs). Native soils beneath fill or other surface cover materials include a layer of grayish brown SILT with some gravels to a depth of 1-5 feet bgs, underlain by a layer of brown to gray, moist silty fine SAND or fine SAND to a depth of 20 feet bgs. Groundwater was encountered at a depth of 15 feet bgs.

The soil and groundwater samples were analyzed for the presence of GRO, DRO, VOCs, PCBs, PAHs, and five metals (lead, cadmium, chromium, arsenic and mercury).

The following is the summary of the laboratory results:

- Petroleum hydrocarbons were identified in five (5) of the soil samples analyzed. The highest concentration of ORO was observed in B7-0.5 at 14,000 mg/kg, exceeding its MTCA Method A cleanup level of 2,000 mg/kg. Other petroleum hydrocarbons were below the cleanup levels.

- VOCs were identified in three (3) of the soil samples analyzed. PCE and EDB were observed in two samples at concentrations exceeding their MTCA Method A cleanup levels.

- PCBs were identified in two (2) of the soil samples analyzed. Total PCBs was observed in one sample at 8.8 mg/kg, exceeding its Method A cleanup level of 1 mg/kg.

- Metals were identified in fourteen (14) of the soil sample analyzed. Lead, cadmium, and arsenic were observed in three samples at concentrations exceeding their MTCA Method A cleanup levels. The highest concentration of lead was observed in B7-0.5 at 330 mg/kg, exceeding its Method A cleanup level of 250 mg/kg.

- PHAs were identified in three (3) of the soil samples analyzed. Total naphthalene was observed in one sample at concentration exceeding its Method A cleanup level.

- Four (4) metals (lead, cadmium, chromium and arsenic) were identified in all of the groundwater samples analyzed. Four samples exhibited concentrations exceeding their corresponding MTCA Method A cleanup levels. The highest concentration of lead was observed in W7 at 300 μg/L, exceeding its MTCA Method A cleanup level of 15 μg/L.

Contaminants detected in soil and groundwater on the Subject Property include DRO, PCE, EDB, PCBs, and metals. Contaminants detected in soil appears to be limited to surface soil (0.5 feet bgs). Metals impact in groundwater appear to be widespread throughout the Subject Property.

Based on the result of this assessment, DRO, PCE, EDB, PCBs, metals (lead, cadmium and arsenic), and naphthalene were identified at concentrations exceeding their corresponding cleanup levels in the soil samples at the Subject Property. Metals (lead, cadmium, chromium and arsenic) were identified at concentrations exceeding their corresponding cleanup levels in the groundwater samples at the Subject Property.

Envitechnology recommends additional subsurface investigation in order to verify the lateral and vertical extent and magnitude of contamination. To achieve lawful compliance with Chapter 173-340-300 (site discovery and reporting), Envitechnology recommends that copies of this report along with any future reports regarding the environmental conditions thus far encountered be forwarded to the Washington State Department of Ecology.

2. INTRODUCTION

GK Transport Llc. engaged Envitechnology to conduct a Phase II Environmental Site Assessment (ESA) on the property, Special Interest Auto Wrecking, located at 25923 78th Avenue South, Kent, WA 98032, subsequently referred to in this report as "the Subject Property".

The purpose of the Phase II ESA was to collect and evaluate environmental data at the Site to determine potential impacts to human health and the environment resulting from on-site exposure and/or off-site migration of site contaminants.

This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase II ESA Process (ASTM Designation: E1903).

2.1. SCOPE OF SERVICES

The scope of work for this assessment was in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase II ESA Process (ASTM Designation: E1903, 2011 and 2019). The methodologies are described as representing good commercial and customary practice for conducting a Phase II ESA of a property for the purpose of evaluating Recognized Environmental Conditions.

The scope of work included the following tasks:

- Review of Existing Information
- Geophysical survey
- Field Exploration
- Sampling and Chemical Analyses
- Evaluation of Results
- Discussion of Finding and Conclusions

2.2. LIMITATIONS AND EXCEPTIONS OF ASSESSMENTS

This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase II ESA Process (ASTM Designation: E1903, 2011 and 2019), and contains all of the limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.

No ESA can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical analysis may or may not be representative of a larger population. Professional

judgment and interpretation are inherent in the process and uncertainty is inevitable. Additional assessment may be able to reduce the uncertainty.

Even when Phase II ESA work is executed with an appropriate site-specific standard of care, certain conditions present especially difficult detection problems. Such conditions may include, but are not limited to, complex geological settings, the fate and transport characteristics of certain hazardous substances, the distribution of existing contamination, physical limitations imposed by the location of utilities and other man-made objects, and the limitations of assessment technologies.

Phase II ESA does not generally require an exhaustive assessment of environmental conditions on a property. There is a point at which the cost of information obtained and the time required to obtain it outweigh the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. If hazardous substance releases are confirmed on a parcel of property, the extent of further assessment is related to the degree of uncertainty that is acceptable to the user with respect to the real estate transaction.

Measurements and sampling data only represent the site conditions at the time of data collection. Therefore, the usability of data collected as part of this Phase II ESA may have a finite lifetime depending on the application and use being made of the data. An environmental professional should evaluate whether the generated data are appropriate.

3. BACKGROUND

3.1. SITE DESCRIPTION AND FEATURES

The Subject Property is an auto wrecking yard located on the west end of 78th Ave South in Kent, King County, Washington. The site is bordered on the east by 78th Avenue South and on the north by Green River. The surrounding area is a commercial setting.

The Subject Property consists of a parcel of commercial land (parcel number 0004400015) with a reported total area of an approximately 3.93 acres. The parcel of land is improved by an auto wrecking yard known as Special Interest Auto Wrecking.

The office building is located on the east end of the Site. The shop building is located in the middle of the Site. The dismantle building is located on the west portion of the Site. The rest of the area is packed with full of junked cars and parts on an unpaved land. Access of the Subject Property is achieved from 78th Ave South.

The legal description of the Subject Property is:

Parcel # 000440-0015

KIRKLAND DLC NO 40 PORTION OF NE QTR STR 25-22-04 DAF: BEG AT NW CORNER OF MOSES KIRKLAND DONATION CLAIM IN STR 26-22-04 TH ALONG N LINE OF SAID CLAIM N89-21-15E 3343.16 FT TH S06-15-10E 549.39 FT TH N89-07-50E 1246.02 FT TO ELY MARGIN CHICAGO MILWAUKEE & ST PAUL RR RIGHT-OF-WAY TH ALONG SAID ELY MARGIN N06-18-10W 482.11 FT TO TPOB TH CONTINUING N06-28-20W ALONG SAID ELY MARGIN TO SELY BANK OF WHITE RIVER TH ELY ALONG SAID BANK TO W MARGIN OF ROAD ALONG W BANK OF WHITE RIVER TH SLY ALONG SAID MARGIN TO POINT WHICH BEARS S70-33-10E FROM TPOB TH N70-33-10W 870 FT MORE OR LESS TO TPOB EXC SWLY 290.76 FT AS MEAS AT RIGHT ANGLE TO SWLY BOUNDARY OF ABOVE-DESC TRACT
PLat Block:
Plat Lot: PORTION

3.2. ADJOINING PROPERTIES

An adjoining property is any real estate property whose border is contiguous or partially contiguous with the Subject Property, or that would be if the properties were not separated by a roadway, street, public thoroughfare, river or stream. The following identifies specific adjacent property tenants and/or use:

Direction	Site Use	Adjoining Street
East	Commercial – Field Roof Service, Inc	78th Ave S
West	Auto Wrecking – Binford Metals	Non-applicable
South	Auto Wrecking – Binford Metals	Non-applicable
North	N/A	Green River

3.3. PHYSICAL SETTING

The objective of reviewing physical setting is to provide information about the impact of potential environmental contaminant migration.

Current USGS 7.5 Minute Topographic Maps (Kent, WA, 1985) was reviewed to determine the topography of the Subject Property. The Quad Map shows no physical features that may have environmentally impacted the Subject Property.

The surface elevation at the site is approximately 35 feet above mean sea level. The parcel is fairly level. Information on groundwater flow and soil type was obtained to determine the ease with which contaminants from surrounding properties can reach the Subject Property. Based upon the USGS map and surface topography, groundwater is inferred to flow generally to the north towards Green River. However, topography is not always a reliable basis for predicting the groundwater flow direction. Local gradient under the Subject Property may be influenced by naturally by zones of higher or lower permeability, or artificially by nearby pumping or recharge, and may deviate in any particular location for the overall regional trend. Significant body of water includes Kent Bay 3.0-mile to the southeast. The nearest surface water is Bell Creek which runs adjacent to the west of the Subject Property. This stream may be intermittent.

According to the USDA Soil Conservation, the dominant soil type of this area is *Urban Land".* Urban soils are composed of geological material that has been drastically disturbed by anthropogenic activities. Urban soil geochemistry is strongly influenced by the effect of human activities, motor vehicle emissions and many other factors are responsible for releasing large amounts of organic and inorganic pollutants to the environment.

Review of the Ecology's well log on the adjoining property to the south indicates that the general vicinity of the Subject Property is underlain by a layer of silty sand to a depth of 6 feet, underlain by a layer sand to a depth of 12 feet bgs, underlain by a layer of silt to a depth of 16 feet bgs, underlain by a layer of silty sand to a depth of 22 feet bgs, and underlain by a layer of sand to a depth of 50 feet bgs.

3.4. SITE HISTORY AND LAND USE

According to the city directories and aerial photographs, the Subject Property was used as an auto wrecking yard form the 1970s to present, under various business names – A to Z Auto Wrecking (1973); Green River Auto Wrecking (1980 – 2002); and Specialty Interest Auto Sales (2014 – 2018).

4. FIELD INVESTIGATIONS

4.1. UTILITY LOCATION

Prior to conducting the next phase of the field investigation, Envitechnology requested Public Utility locating service to check proposed boring locations for the presence of underground utilities.

Envitechnology subcontracted with Mt. View Locating Services, Llc., Sumner, WA to perform an additional site-specific utility clearance on the subject property prior to drilling. Underground utilities that were detected were spray painted on the surface of the subject property. All drilling locations were completed without encountering underground utilities or obstructions during the collection of soil samples on the Subject Property.

4.2. GEOPHYSICAL SURVEY

Because of the limited information regarding the configuration of the Site, geophysical survey was conducted at the Site. Envitechnology subcontracted with Mt View Locating Services, Llc., Sumner, WA to perform a geophysical survey. The geophysical survey employs the use of both electro-magnetic (EM) equipment and ground penetrating radar (GPR) to screen the Site for subsurface anomalies characteristics of USTs and other buried metallic objects.

A magnetometer is a measuring instrument used to measure the strength and the direction of magnetic field. Magnetometer is widely used for measuring the earth's magnetic fields and in geophysical surveys. The magnetic properties of naturally occurring materials such as magnetic ore bodies and basic igneous rocks allows them to be identified and mapped by magnetic surveys. Strong local magnetic fields or anomalies are also produced by buried steel objects. Magnetometer surveys find underground storage tanks, drums, piles and reinforced concrete foundations by detecting the magnetic anomalies they produce.

Ground Penetrating Radar (GPR) is a geophysical method that uses radar pulses to image the subsurface which is the most common method used to locate underground storage tanks (USTs) and other metallic objects. Metal or any other material that has different electrical or conductive properties than the surrounding subsurface soil and rocks.

4.3. HEALTH AND SAFETY

A Site-Specific Health and Safety Plan was prepared prior to field activities. Envitechnology performed air monitoring for total VOC during all field activities and also enforced the appropriate protective equipment including hard hats, safety glasses, hearing protection, steel-

toed boots, and chemical resistant gloves. Air monitoring performed throughout the day indicated that the use of breathing protection equipment was not necessary.

4.4. EXPLORATION METHODS

A total of ten (10) soil borings were advanced into native soils on January 21, 2020, as follows:

- Five (5) soil borings (B1 through B5) were advanced in the south portion of the Site to a depth of 5 feet bgs.
- Five (5) soil borings (B6 through B10) were advanced in the north portion of the Site along the northern property boundary closed to Green River to a depth of 20 feet bgs.

The method of boring was a direct push probe (Geoprobe Systems Model 6600) performed by Standard Environmental Probe Inc., which involves the use of truck-mounted hydraulic hammer to push a series of 1.5-inch diameter steel rods to the sampling depth. Every five feet, the rods were removed and disposable Teflon sampling tubes were recovered. New sections of Teflon sampling tubes were used for each sampling depth.

Each borehole was logged according to the United Soil Classification System as described in Figure A1 in Appendix A. Borehole logs are included in Appendix A as Figure A2 through A11.

The location of the borings is shown in Figure 2. Site Plan.

4.5. SUBSURFACE SOIL SAMPLING METHODS

The sampling was designed to prove for the collection of potentially contaminated environmental media, if they occur, at locations and depths where the highest concentrations are likely to occur.

Total twenty (20) soil samples were collected from the Site. Two (2) undisturbed soil samples were collected from each borehole – one shallow sample at 6 inches bgs and one deeper sample at a boring depth of 5 or 15 feet bgs.

The undisturbed soil samples were gathered continuously using core samplers attached to drive rods. One sample per each borehole was collected in accordance with EPA method 5035A. (US EPA, 2002). Soil samples were recovered using a hand sampler to take about 5 grams of soil from each soil core. Samples were transferred from the samplers directly to sterilized glassware with Teflon-sealed lids furnished by the project laboratory. Samples were stored in an iced chest at the site and taken to the lab in this condition to minimize excessive dissipation of volatile fraction hydrocarbons. Each container was clearly labeled as to boring number, sample number, geologist, etc. EPA recommended 5035 sampling protocol for sample collection and management including maintenance of chain-of-custody documentation was observed at each stage of the project. Each sample was collected into a two-ounce jar for dry weight determination.

4.6. GROUNDWATER SAMPLING METHODS

Five (5) groundwater samples (W6 through W10) were collected from boreholes (B6 through B10), respectively. Groundwater was encountered at a depth of 15 feet bgs during soil borings.

Direct push was used to advance temporary sampler below the groundwater level. Groundwater sample was collected with a peristaltic pump utilizing low flow techniques. A temporary well screens were installed between 10 ft bgs and boring depth. The intake of the pump tubing was set approximately one foot below the water. Dedicated polyethylene tubing was used. Discharge from the pump was directed into sample container. When an untreated one-liter bottle and two HCl-treated VOC glass containers were immediately filled with water, they were sealed, and then checked for air bubbles to ensure that there was no container head space. The bottle was labeled, a chain of custody form was prepared and the sample was transferred to chilled cooler and ready for transport to analytical laboratory.

4.7. FIELD SCREENING

Soil samples obtained from the core sampler were screened with visual and olfactory indications and/or photoionization detector (PID). Prior to use, the PID was calibrated against a 100 parts per million (ppm) isobutylene span gas in air mixture. The instrument was then zeroed against the ambient air near the work area. The PID is useful for qualitative field screening of volatile organic compounds (VOCs) and provides a basis for comparison between soil samples collected in the field. Soil samples were placed into sealable plastic bags and allowed to sit in a warm area for volatilization to occur. After approximately 5 minutes, VOCs were field measured by placing the tip of the PID into the head space above each sample in each bag. This is not a compound-specific analysis and is affected by, among other influences, climate (e.g., temperature and humidity), soil type and conditions, instrument calibration and operation, and type of VOCs present.

4.8. CHEMICAL ANALYTICAL METHODS

The chemical testing was designed to detect the contaminants suspected to be present in the samples collected. The testing plan included tests which provide quality assurance (QA) and techniques that provide quality control (QC) over the chemical analysis. A completed chain of custody record accompanied each sample shipment to the analytical laboratory. Chain of custody records provide written documentation regarding sample collection and handling, identify the persons involved in the chain of sample possession, and a written record of requested analytical parameters.

The soil and groundwater samples were analyzed for the presence of the following contaminants.

- Gasoline range organic (GRO) via NWTPH-Gx

- Diesel range organics (DRO) and heavy oil range organics (ORO) via NWTPH-Dx
- Volatile organic compounds (VOCs) via EPA 8260D
- Metals (lead, cadmium, chromium, arsenic and mercury) via EPA 7010/7471/245.1
- Polychlorinated Biphenyls (PCBs) via EPA 8082
- Polyaromatic Hydrocarbons (PAHs) via EPA 8270

The location, depth and type of samples collected are summarized in Table 1.

4.9. DECONTAMINATION AND HOLE CLOSURE

Boreholes were filled with bentonite granules, 2 feet of concrete mix, and patched with top soil. Disposable sampling equipment were disposed of at each sample interval. Non-disposable sampling equipment were decontaminated by scrubbing in a solution of Alconox and potable water, followed by rinses with potable water between test holes. Soil cuttings, decontamination water, and purge water were stored in labeled drums in a secure location until they can be profiled and appropriately disposed of.

5. ANALYTICAL RESULTS

5.1. SUBSURFACE CONDITIONS

A general characterization of the on-site soil units encountered during our exploration is presented in this section. The Boring Logs in Appendix A present details of the soil encountered at each exploration location.

The soil borings were extended up to 20 feet below ground surface (ft bgs). Native soils beneath fill or other surface cover materials include a layer of grayish brown SILT with some gravels to a depth of 1-5 feet bgs, underlain by a layer of brown to gray, moist silty fine SAND or fine SAND to a depth of 20 feet bgs. Groundwater was encountered at a depth of 15 feet bgs.

All soil samples were screened for VOCs with a MiniRae 3000 Photoionization Detector (PID). No VOCs were detected in all soil samples with the PID. The physical condition did not indicate the presence of petroleum impact (e.g., soil staining, petroleum odor or dark gray color). No other additional samples or boring locations were added based on the lack of any field indicators of subsurface contamination.

5.2. GEOPHYSICAL SURVEY

Prior to conducting the subsurface investigation, a geophysical survey using electromagnetic (EM) equipment and ground penetrating radar (GPR) was conducted. The ground penetrating radar (GPR) survey did not reveal the presence of any anomaly indicative of former USTs at the Site. However, the survey identified buried electric lines, underground utilities and other buried objectives at the Site.

5.3. SOIL ANALYTICAL RESULTS

Soil analytical results along with the Washington State Department of Ecology (WSDOE) cleanup levels are summarized in Table 2. Laboratory documents are located in Appendix C. Laboratory Report.

Twenty (20) soil samples were collected from ten (10) soil boring locations. The following is the summary of the laboratory results:

- Petroleum hydrocarbons were identified in five (5) of the soil samples analyzed. The highest concentration of ORO was observed in B7-0.5 at 14,000 mg/kg, exceeding its MTCA Method A cleanup level of 2,000 mg/kg. Other petroleum hydrocarbons were below the cleanup levels.

- VOCs were identified in three (3) of the soil samples analyzed. PCE and EDB were observed in two samples at concentrations exceeding their MTCA Method A cleanup levels.

- PCBs were identified in two (2) of the soil samples analyzed. Total PCBs was observed in one sample at 8.8 mg/kg, exceeding its Method A cleanup level of 1 mg/kg.

- Metals were identified in fourteen (14) of the soil sample analyzed. Lead, cadmium, and arsenic were observed in three samples at concentrations exceeding their MTCA Method A cleanup levels. The highest concentration of lead was observed in B7-0.5 at 330 mg/kg, exceeding its Method A cleanup level of 250 mg/kg.

- PHAs were identified in three (3) of the soil samples analyzed. Total naphthalene was observed in one sample at concentration exceeding its Method A cleanup level.

Based on the result of this assessment, DRO, PCE, EDB, PCBs, metals (lead, cadmium and arsenic), and naphthalene were identified at concentrations exceeding their corresponding cleanup levels in the soil samples at the Subject Property.

5.4. GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical results along with the Washington State Department of Ecology (WSDOE) cleanup levels are summarized in Table 3. Laboratory documents are located in Appendix C. Laboratory Report.

Five (5) groundwater samples were collected from five (5) soil boring locations. The following is the summary of the laboratory results:

- Petroleum hydrocarbons, VOCs, PAHs, and PCBs were not identified in the groundwater samples analyzed.

- Four (4) metals (lead, cadmium, chromium and arsenic) were identified in all of the groundwater samples analyzed. Four samples exhibited concentrations exceeding their corresponding MTCA Method A cleanup levels. The highest concentration of lead was observed in W7 at 300 μg/L, exceeding its MTCA Method A cleanup level of 15 μg/L.

Based on the result of this assessment, metals (lead, cadmium, chromium and arsenic) were identified at concentrations exceeding their corresponding cleanup levels in the groundwater samples at the Subject Property.

6. PROPOSED CLEANUP STANDARD

6.1. RECOGNIZED ENVIRONMENTAL CONDITIONS

Th Subject Property was used as an auto salvage yard from the 1970s to present. Operations included stockpiling of old tires, scarp cars, and automotive parts.

The environmental concern with salvage yard is the issue with soil and groundwater contamination. There are several environmental concerns with automotive wrecking yards, including:

- Petroleum hydrocarbons – These vehicles contain motor oil, petroleum, gasoline and diesel fuel. All of these fluids have hydrocarbons, which are toxic and known carcinogens.
- Heavy metals – Vehicles are known to have heavy metals such as nickel, aluminum, mercury, arsenic, lead, and cadmium. These heavy metals migrate from salvage yards during storm runoff to contaminate groundwater.
- MTBE – Methyl Tertiary Butyl Ether (MTBE) – This commercial compound was a fuel additive for gasoline as an octane enhancer. While modern vehicles no longer use MTBE, old vehicles (those likely in salvage yards) have MTBE leaching into groundwater.
- PCBs – PCBs (polychlorinated biphenyls) were used as coolants and lubricants before 1977. PCB is harmful to human health.
- PAHs – Source of PAHs in wrecking yard includes incomplete combustion of fossil fuels, vehicular engine combustion smelting, and waste incinerators.
- VOCs – Petroleum contains a wide variety of volatile organic compounds (VOCs), which are present in the auto wrecking yard.

6.2. SOURCE CHARACTERIZATION

The release mechanisms are most likely to have resulted in contaminant releases to subsurface.

Contaminants detected in soil and groundwater on the Subject Property include DRO, PCE, EDB, PCBs, and metals. Contaminants detected in soil appears to be limited to surface soil (0.5 feet bgs). Metals impact in groundwater appear to be widespread throughout the Subject Property.

6.3. CONCEPTUAL SITE MODEL

The conceptual site model takes into consideration the potential distribution of contaminants with respect to the properties, behaviors and fate and transport characteristics of the contaminant in a setting such as that being assessed. The sampling plan was designed to provide for the collection of potentially contaminated environmental media, if they occur, at locations and depths where the higher concentrations are likely to occur.

The Conceptual Site Model (CSM) describes potential chemical sources, release mechanisms, environmental transport processes, exposure routes, and receptors. The primary purpose of the CSM is to describe pathways by which human and ecological receptors could be exposed to site-related chemicals. A complete exposure pathway consists of four necessary elements: (1) a source and mechanism of chemical release to the environment, (2) an environmental transport medium for a released chemical, (3) a point of potential contact with the impacted medium (referred to as the exposure point), and (4) an exposure route (e.g., soil ingestion) at the exposure point.

The possible exposure pathways and the related potential receptors associated with soil impacted by COCs include the following:

Potential Soil Exposure Scenarios

The following pathways are potentially complete for human health exposure to soil:

- **On-site occupational workers**—Workers currently occupy the Subject Property and neighboring properties and residents could occupy the Property in the future. The pathways by which current or future residents could potentially be exposed to chemicals in soil include direct skin contact with soil, incidental ingestion of soil, inhalation of soil particulates, and inhalation of indoor/outdoor air vapors emanating from soil.

- **On-site construction workers**—There are currently no construction workers (e.g., excavation workers, trench workers) on the Property. However, construction activities would be performed as part of property redevelopment. Future construction workers could contact chemicals in soil through incidental ingestion, dermal contact, inhalation of impacted soil particulates, and inhalation of outdoor air vapors emanating from soil.

Potential Groundwater Exposure Scenarios

- **On-site occupational workers**—workers currently occupy the Subject Property and neighboring properties and residents could occupy the Property in the future. One pathway by which current or future residents could potentially be exposed to chemicals in groundwater is from ingestion of tap water from a drinking water well; however, city water is available next to the site and it is unlikely that this scenario would occur. Another potential pathway is inhalation of indoor/outdoor air vapors emanating from groundwater.

- **Off-site residents**—Residents could potentially be exposed to air vapors emanating from groundwater if impacts migrate off the Property. Note that there is no evidence that this is occurring.

- **On-site construction workers**—There are currently no construction workers (e.g., excavation workers, trench workers) on the Property; however, construction activities would be performed as part of property redevelopment. Future construction workers

could contact chemicals in groundwater soil through dermal contact and inhalation of outdoor air vapors.

6.4. AFFECTED MEDIA

Based on the results of this assessment, impacted soil and groundwater above applicable or relevant and appropriate requirements ("ARARs") was identified.

The data gathered during this assessment is sufficient to determine whether products were released or disposed at the property. With respect to the recognized environmental conditions assessed, petroleum products have been released or disposed on the Subject Property.

6.5. PROPOSED CLEANUP LEVELS

MTCA (Model Toxics Control Act) requires that cleanup actions meet cleanup standards. These standards are comprised of both cleanup levels and points of compliance. A cleanup level is the concentration of hazardous substance in soil, water, air, or sediment that is determined to be protective of human health and the environment under specified exposure conditions. A point of compliance (POC) defines the point or points on a site where cleanup levels must be met. MTCA provides three options for establishing cleanup levels, as described below:

- Method A: Applicable Laws and Tables. Method A is designed for cleanups that are relatively straightforward or involve only a few hazardous substances. This method consists of tabularized cleanup levels for the most common hazardous substances found in soil and groundwater, including those constituents identified at this site

- Method B: Universal Method. MTCA B cleanup levels are established using applicable state and federal laws and the risk equations and other requirements specified for each medium. Method B is divided into two tiers – standard and modified. Standard Method B uses generic default assumptions to calculate cleanup levels. Modified Method B provides for the use of chemical-specific or site-specific information to change selected default assumptions. For both standard and modified Method B, the human health risk level for individual carcinogens must not exceed one-in-a-million. If more than one type of hazardous substance is present, the total risk level at the site may not exceed 1 in 100,000. Levels for non-carcinogens cannot exceed a hazard quotient of 1. In addition to accounting for human health impacts, the Method B cleanup levels must account for potential terrestrial or aquatic ecological impacts, if present at the site.

- Method C: Conditional Method. Method C is similar to Method B in that it is divided into two tiers – standard and modified. The main differences are: (1) cleanup levels are based on less stringent exposure assumptions and (2) the lifetime cancer risk is set at 1 in 100,000 for both individual substances and for the total cancer risk caused by all substances at a site.

The Subject Property historically has been used for commercial purposes. Soil and groundwater were screened to MTCA Method A CULs. For certain constituents, Method A CULs are not available and Method B CULs were applied.

6.6. OTHER CONCERNS

There were no other concerns identified during this Phase II ESA.

6.7. CONCLUSIONS

Laboratory analysis of the soil samples indicates that DRO, PCE, EDB, PCBs, metals (lead, cadmium and arsenic), and naphthalene were identified at concentrations exceeding their corresponding cleanup levels in the soil samples at the Subject Property.

Laboratory analysis of the groundwater samples indicates that metals (lead, cadmium, chromium and arsenic) were identified at concentrations exceeding their corresponding cleanup levels in the groundwater samples at the Subject Property.

7. RECOMMENDATIONS

Based on the results of this assessment, the following is recommended:

1. Envitechnology recommends additional subsurface investigation in order to verify the lateral and vertical extent and magnitude of contamination.

2. To achieve lawful compliance with Chapter 173-340-300 (site discovery and reporting), Envitechnology recommends that copies of this report along with any future reports regarding the environmental conditions thus far encountered be forwarded to the Washington State Department of Ecology.

REFERENCES AND SOURCE OF INFORMATION

ASTM International. (2004). *ASTM D5730-04 Standard Guide for Site Characterization for Environmental Purposes With Emphasis on Soil, Rock, the Vadose Zone and Ground Water.* ASTM International.

ASTM International. (2001). *ASTM Standards Related to the Subsurface Investigation Process, Second Edition.* ASTM International.

ASTM International. (2011). *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process.*

Department of Ecology. State of Washington (2001). *Model Toxics Control Act Cleanup Levels & Risk Calculations (CLARC) Version 3.1.* Washington State Department of Ecology, Toxics Cleanup Program.

Department of Ecology. State of Washington (2014). Well Log Viewer. https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/default.aspx

Washington State Department of Ecology. (2001). *Chapter 173-340 WAC, Model Toxics Control Act Cleanup Regulation.* Washington State Department of Ecology, Toxics Cleanup Program.

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TABLES

Table 1. Location, Depth and Type of Samples Collected

Sample ID	Sample type	Depth (ft)	Location	Compound of concern	Analysis method	Date collected
B1-0.5	Soil	0.5	B1	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B1-5	Soil	5	B1	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B2-0.5	Soil	0.5	B2	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B2-5	Soil	5	B2	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B3-0.5	Soil	0.5	B3	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B3-5	Soil	5	B3	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B4-0.5	Soil	0.5	B4	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B4-5	Soil	5	B4	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B5-0.5	Soil	0.5	B5	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B5-5	Soil	5	B5	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B6-0.5	Soil	0.5	B6	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B6-15	Soil	15	B6	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B7-0.5	Soil	0.5	B7	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B7-15	Soil	15	B7	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B8-0.5	Soil	0.5	B8	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B8-15	Soil	15	B8	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B9-0.5	Soil	0.5	B9	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B9-15	Soil	15	B9	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B10-0.5	Soil	0.5	B10	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
B10-15	Soil	15	B10	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/7471, 8082, 8270	01/21/21
W6	Water	15	B6	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/245.1, 8082, 8270	01/21/21
W7	Water	15	B7	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/245.1, 8082, 8270	01/21/21
W8	Water	15	B8	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/245.1, 8082, 8270	01/21/21

Sample ID	Sample type	Depth (ft)	Location	Compound of concern	Analysis method	Date collected
W9	Water	15	B9	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/245.1, 8082, 8270	01/21/21
W10	Water	15	B10	DRO/ORO, GRO, VOC Metals, PCB, PAH	NWTPH-Dx, NWTPH-Gx, EPA 8260D EPA 7010/245.1, 8082, 8270	01/21/21

Notes

GRO – Gasoline range organics
DRO – Diesel range organics
ORO – Heavy oil range organics
VOC – Volatile organic compounds
Metals – MTCA 5 metals – Lead, Cadmium, Chromium, Arsenic & Mercury
PCB – Polychlorinated Biphenyls
PAH – Polyaromatic Hydrocarbons

Table 2. Summary of Soil Analytical Results

Analyte	Method A CUL	B1-0.5	B1-5	B2-0.5	B2-5	B3-0.5	B3-5	B4-0.5	B4-5	B5-0.5	B5-5	B6-0.5	B6-15	B7-0.5	B7-15	B8-0.5	B8-15	B9-0.5	B9-15	B10-0.5	B10-15
BTEX																					
Benzene	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Xylenes	9	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Toluene	7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
NWTPH-Gx																					
Gasoline (GRO)	100	<10	<10	<10	<10	<10	<10	**42**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NWTPH-Dx																					
Diesel (DRO)	2,000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Heavy Oil (ORO)	2,000	<250	<250	**490**	<250	<250	<250	<250	<250	**670**	<250	<250	<250	**14,000**	<250	**900**	<250	<250	<250	<250	<250
VOCs																					
Dichlorodifluoromethane	16,000*	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Chloromethane	NV	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Vinyl chloride	0.67*	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	110*	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
Chloroethane	NV	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Trichlorofluoromethane	24,000*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethene	4,000*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene chloride	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl tert-Butyl Ether (MTBE)	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
trans -1,2-Dichloroethene	1,600*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1-Dichloroethane	11*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
2,2-Dichloropropane	NV	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis -1,2-Dichloroethene	160*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform	800*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane (TCA)	2	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Carbon tetrachloride	14*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1-Dichloropropene	NV	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,2-Dichloroethane (EDC)	11*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethene (TCE)	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	NV	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dibromomethane	800*	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Bromodichloromethane	16*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
cis-1,3-Dichloropropene	10*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trans-1,3-Dichloropropene	10*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,2-Trichloroethane	18*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Tetrachloroethene (PCE)	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	**0.057**	<0.03	<0.03	<0.03	<0.03	0.057	<0.03	<0.03	<0.03	<0.03
1,3-Dichloropropane	NV	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	12*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,2-Dibromoethane (EDB)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0075**	<0.005	<0.005	<0.005	<0.005	0.0075	<0.005
Chlorobenzene	1,600*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,1,2-Tetrachloroethane	38*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	16,000*	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03

Analyte	Method A CUL	B1-0.5	B1-5	B2-0.5	B2-5	B3-0.5	B3-5	B4-0.5	B4-5	B5-0.5	B5-5	B6-0.5	B6-15	B7-0.5	B7-15	B8-0.5	B8-15	B9-0.5	B9-15	B10-0.5	B10-15
Bromoform	130*	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Isopropylbenzene		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	5*	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Bromobenzene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
n-Propylbenzene	8,000*	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2,3-Trichloropropane	0.033*	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
2-Chlorotoluene	1,600*	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,3,5-Trimethylbenzene	800*	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
4-Chlorotoluene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
tert-Butylbenzene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2,4-Trimethylbenzene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**0.085**	<0.04	<0.04	<0.04	<0.04	0.085	<0.04	<0.04	<0.04	<0.04	0.085	<0.04	<0.04	<0.04
sec-Butylbenzene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
p-Isopropyltoluene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,3-Dichlorobenzene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,4-Dichlorobenzene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
n-Butylbenzene	NV	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichlorobenzene	7,200*	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dibromo-3-Chloropropane	1.3*	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2,4-Trichlorobenzene	35*	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Hexachloro-1,3-butadiene	13*	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Naphthalene	5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2,3-Trichlorobenzene	NV	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
PCB																					
Aroclor 1016	14*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	NV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	NV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**8.8**	**0.17**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	NV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	NV	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	0.5*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	0.5*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PCBs	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**8.8**	**0.17**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals																					
Lead	250	**17**	<5.0	**290**	<5.0	**110**	<5.0	**290**	<5.0	**36**	<5.0	**7.4**	<5.0	**330**	<5.0	**98**	**14**	**78**	<5.0	**18**	<5.0
Cadmium	2	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	**1.1**	<1.0	**0.76**	<1.0	<1.0	<1.0
Chromium (Total)	2,000	**13**	**8.6**	13	**5.0**	**12**	<5.0	**8.9**	<5.0	**15**	**11**	**14**	<5.0	**7.1**	<5.0	**15**	**9.8**	**12**	<5.0	**9.6**	<5.0
Arsenic	20	<5.0	<5.0	**44**	<5.0	**12**	<5.0	**27**	<5.0	<5.0	**5.2**	<5.0	<5.0	<5.0	<5.0	**5.3**	<5.0	**11**	<5.0	**5.1**	<5.0
Mercury	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PAH																					
Naphthalene	5.0	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	**1.01**	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
2-Methylnaphthalene	320*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	**4.4**	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	**0.0478**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
1-Methylnaphthalene	34.5*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	**2.14**	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	**0.0388**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Acenaphthylene	4,800*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491

Analyte	Method A CUL	B1-0.5	B1-5	B2-0.5	B2-5	B3-0.5	B3-5	B4-0.5	B4-5	B5-0.5	B5-5	B6-0.5	B6-15	B7-0.5	B7-15	B8-0.5	B8-15	B9-0.5	B9-15	B10-0.5	B10-15
Acenaphthene	NV	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Fluorene	3,200*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Phenanthrene	NV	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	**0.0481**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Anthracene	24,000*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Fluoranthene	3,200*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Pyrene	2,400*	<0.0378	<0.0444	**0.057**	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	**0.17**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Benz(a)anthracene	1.7*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	**0.118**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Chrysene	137*	<0.0378	<0.0444	**0.242**	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	**0.363**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Benzo(b)fluoranthene	1.37*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Benzo(k)fluoranthene	13.7*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Benzo(a)pyrene	0.1	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Indeno(1,2,3-cd)pyrene	1.37*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Dibenz(a,h)anthracene	0.137*	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0425	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Benzo(g,h,i)perylene	NV	<0.0378	<0.0444	**0.0564**	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0378	<0.0449	<0.0387	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
Total Naphthalene	5	<0.0378	<0.0444	<0.0403	<0.0442	<0.0415	<0.042	**7.55**	<0.0386	<0.0426	<0.0476	<0.0378	<0.0449	**0.0866**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491
cPAH TEQ	0.1	<0.0378	<0.0444	**0.00242**	<0.0442	<0.0415	<0.042	<0.0378	<0.0386	<0.0426	<0.0476	<0.0378	<0.0449	**0.00363**	<0.0444	<0.0412	<0.0458	<0.0386	<0.0473	<0.042	<0.0491

Notes

All values presented in milligram per kilogram (mg/Kg)

CUL – MTCA Method A Cleanup Levels

* – MTCA Method B Cleanup Levels

"<" – not detected above laboratory detection limits

NV – No value

GRO – Gasoline range organics

DRO – Diesel range organics

ORO – Heavy oil range organics

VOC – Volatile organic compounds

PCB – Polychlorinated Biphenyls

PAH – Polyaromatic Hydrocarbons

Numbers in bold indicate concentrations detected

Numbers in highlight indicate concentrations over the CUL

Table 3. Summary of Groundwater Analytical Results

Analyte	Method A CUL	W6	W7	W8	W9	W10
BTEX						
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylenes	1,000	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0
NWTPH-Gx						
Gasoline (GRO)	800	<100	<100	<100	<100	<100
NWTPH-Dx						
Diesel (DRO)	500	<200	<200	<200	<200	<200
Heavy Oil (ORO)	500	<400	<400	<400	<400	<400
VOCs						
Dichlorodifluoromethane	1,600*	<2.0	<2.0	<2.0	<2.0	<2.0
Chloromethane	NV	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl chloride	0.2	<0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	11*	<2.0	<2.0	<2.0	<2.0	<2.0
Chloroethane	NV	<2.0	<2.0	<2.0	<2.0	<2.0
Trichlorofluoromethane	2,400*	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethene	400*	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride	5	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether (MTBE)	20	<5.0	<5.0	<5.0	<5.0	<5.0
trans -1,2-Dichloroethene	160*	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	1,600*	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NV	<2.0	<2.0	<2.0	<2.0	<2.0
cis -1,2-Dichloroethene	16*	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	80*	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane (TCA)	200	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	0.63*	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane (EDC)	5	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene (TCE)	5	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloropropane	NV	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	80*	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	0.71*	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-Dichloropropene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	0.77*	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene (PCE)	5	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NV	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	0.52*	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB)	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	160*	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	1.7*	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	1,600*	<1.0	<1.0	<1.0	<1.0	<1.0

Analyte	Method A CUL	W6	W7	W8	W9	W10
Bromoform	5.5*	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	800*	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	0.22*	<4.0	<4.0	<4.0	<4.0	<4.0
Bromobenzene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	800*	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	0.0015*	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	160*	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	80*	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	NV	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	720*	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-Chloropropane	0.055*	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	1.5*	<2.0	<2.0	<2.0	<2.0	<2.0
Hexachloro-1,3-butadiene	0.56*	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	160	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	NV	<5.0	<5.0	<5.0	<5.0	<5.0
PCB						
Aroclor 1016	NV	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1221	NV	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1232	NV	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1242	NV	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1248	NV	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1254	NV	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1260	NV	<0.02	<0.02	<0.02	<0.02	<0.02
Total PCBs	0.1	<0.02	<0.02	<0.02	<0.02	<0.02
Metals						
Lead	15	**17**	**300**	**36**	**13**	**50**
Cadmium	5	**3.7**	**8.2**	**3.8**	<0.5	**12**
Chromium (Total)	50	**19**	**74**	**16**	**8.2**	**85**
Arsenic	5	**5.4**	**8.4**	**6.3**	<3.0	**8.8**
Mercury	2	<0.1	<0.1	<0.1	<0.1	<0.1
PAH						
Naphthalene	160	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
2-Methylnaphthalene	32*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
1-Methylnaphthalene	1.5*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Acenaphthylene	960*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995

Analyte	Method A CUL	W6	W7	W8	W9	W10
Acenaphthene	NV	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Fluorene	640*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Phenanthrene	NV	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Anthracene	4,800*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Fluoranthene	640*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Pyrene	480*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Benz(a)anthracene	0.12*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Chrysene	12*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Benzo(b)fluoranthene	0.12*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Benzo(k)fluoranthene	1.2*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Benzo(a)pyrene	0.1	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Indeno(1,2,3-cd)pyrene	0.12*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Dibenz(a,h)anthracene	0.012*	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Benzo(g,h,i)perylene	NV	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
Total Naphthalene	160	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995
cPAH TEQ	0.1	<0.0993	<0.0993	<0.0995	<0.0983	<0.0995

Notes

All values presented in microgram per liter (μg/L)

CUL – MTCA Method A Cleanup Levels

* – MTCA Method B Cleanup Levels

NV – No value

"<" – not detected above laboratory detection limits

GRO – Gasoline range organics

DRO – Diesel range organics

ORO – Heavy oil range organics

VOC – Volatile organic compounds

PCB – Polychlorinated Biphenyls

PAH – Polyaromatic Hydrocarbons

Numbers in bold indicate concentrations detected

Numbers in highlight indicate concentrations over the CUL

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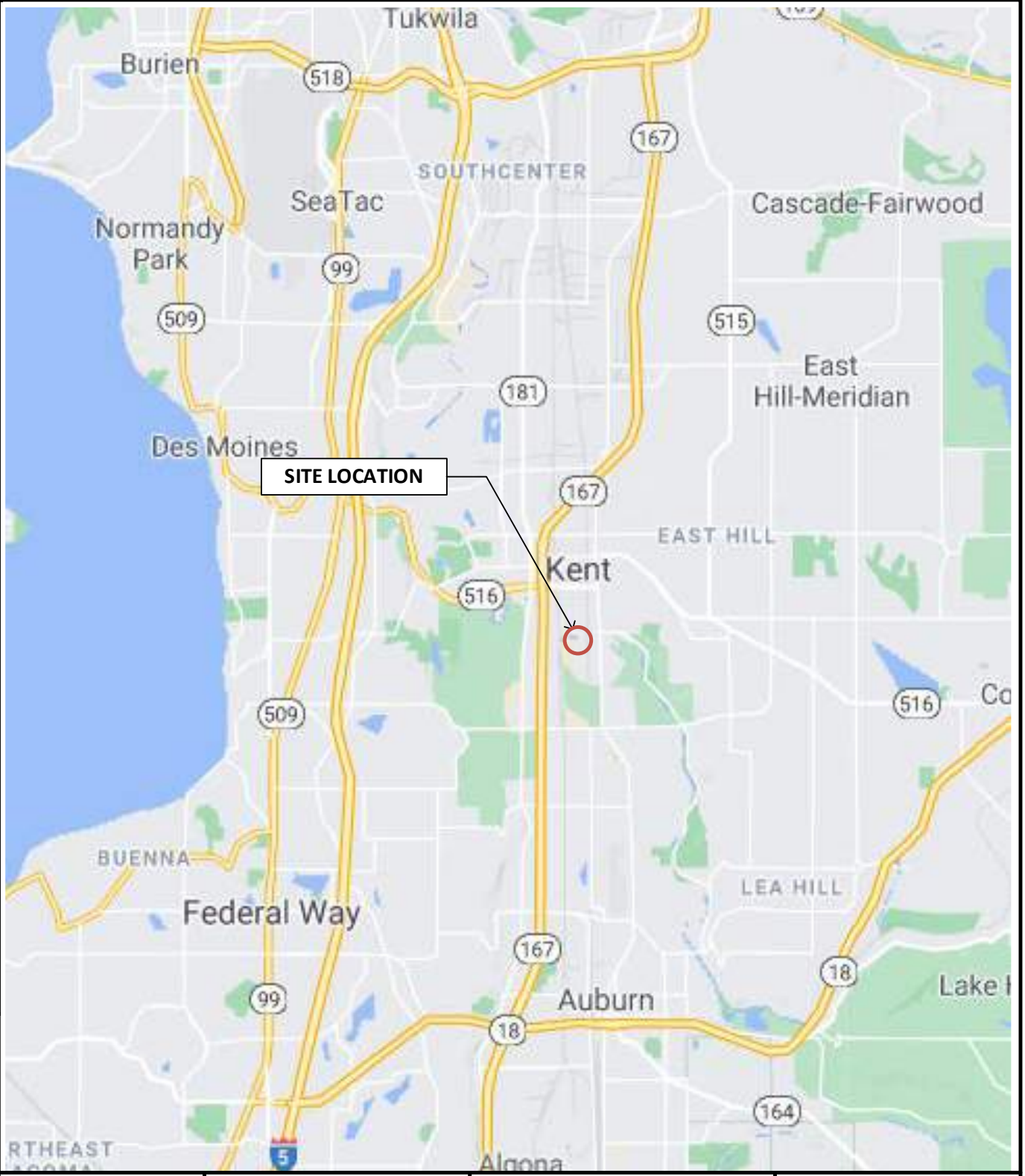
FIGURES

FILE NAME	DRAWED BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
	JL 2/5/2021			02201224-1



LATITUDE 47.3688422
LONGITUDE -122.23606111

N

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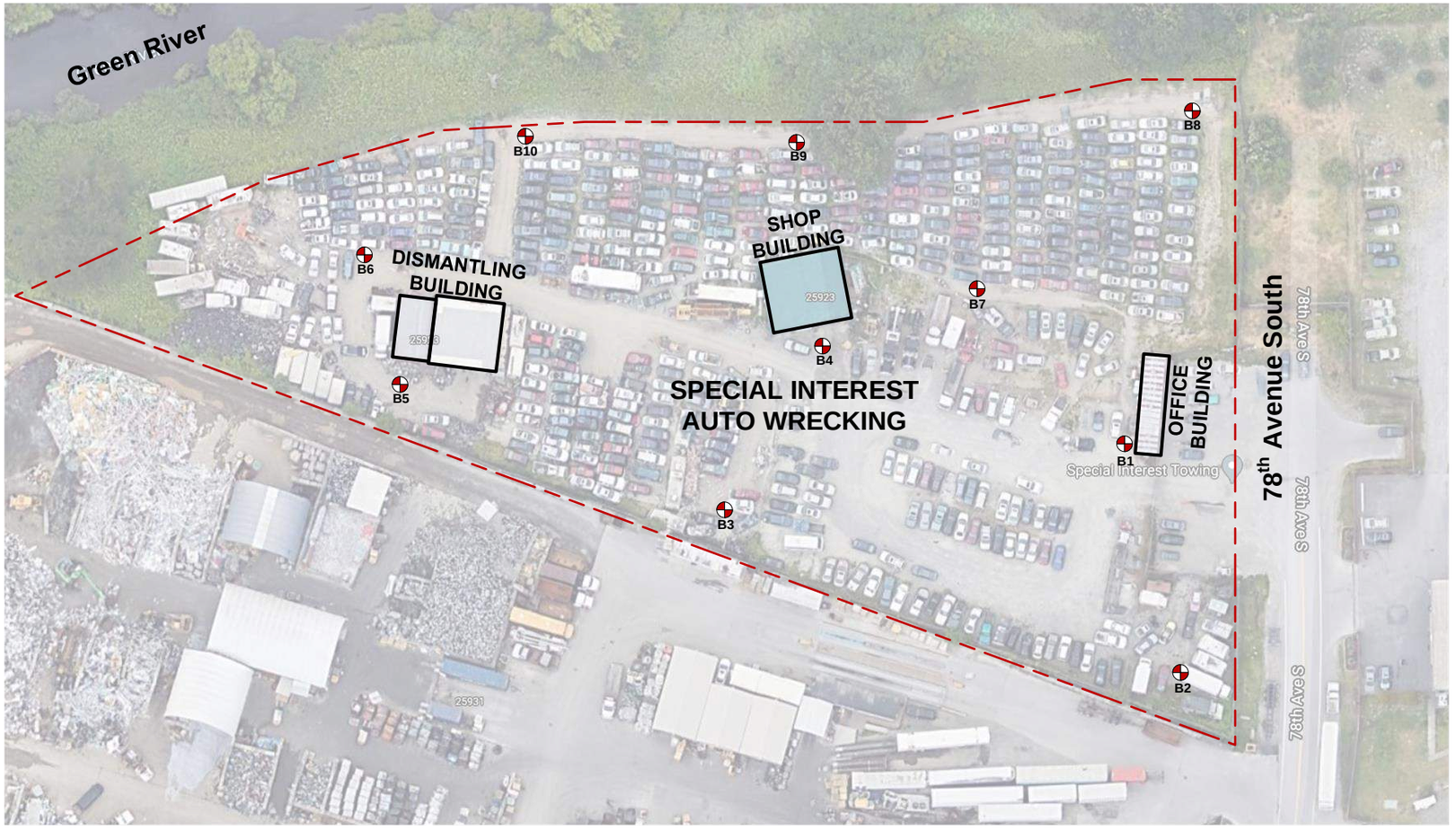
SPECIAL INTEREST AUTO WRECKING

FIGURE 1
SITE LOCATION MAP

25923 78TH AVE S
KENT, WA 98032

FILE NAME	DRAWED BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
	JL 02/05/2021			03200313-1



N

LEGEND

- BORING LOCATION
- APP. PROPERTY BOUNDARY

NOTES

- THE LOCATION OF ALL FEATURES SHOWN ARE APPROXIMATE.
- THE DRAWING IS FOR INFORMATION PURPOSE

0 40' 80'
SCALE IN FEET

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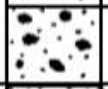
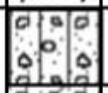
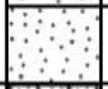
FIGURE 2
SITE PLAN

SUNRISE QUICK STOP
200 W UNIVERSITY WAY
ELLENSBURG, WASHINGTON

APPENDICES

APPENDIX A. BORING LOGS

Unified Soil Classification System Chart

Major Divisions			Graph	USCS	Typical Description
Coarse Grained Soils More Than 50% Retained On No. 4 Sieve	**Gravel** More Than 50% of Coarse Fraction Retained On No. 4 Sieve	Clean Gravels		GW	Well-graded Gravels, Gravel-Sand Mixtures
				GP	Poorly-Graded Gravels, Gravel-Sand Mixtures
		Gravels With Fines		GM	Silty Gravels, Gravel-Sand-Silt Mixtures
				GC	Clayey Gravels, Gravel-Sand-Clay Mixtures
	Sand More Than 50% of Coarse Fraction Passing No. 4 Sieve	Clean Sands		SW	Well-graded Sands, Gravelly Sands
				SP	Poorly-Graded Sands, Gravelly Sands
		Sands With Fines		SM	Silty Sands, Sand-Silt Mixtures
				SC	Clayey Sands, Clay Mixtures
Fine Grained Soils More Than 50% Passing The No. 200 Sieve	**Silts & Clays**	Liquid Limit Less Than 50		ML	Inorganic Silts, rock Flour, Clayey Silts With Low Plasticity
				CL	Inorganic Clays of Low To Medium Plasticity
				OL	Organic Silts and Organic Silty Clays of Low Plasticity
	Silts & Clays	Liquid Limit Greater Than 50		MH	Inorganic Silts of Moderate Plasticity
				CH	Inorganic Clays of High Plasticity
				OH	Organic Clays And Silts of Medium to High Plasticity
Highly Organic Soils				PT	Peat, Humus, Soils with Predominantly Organic Content

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The Unified Soil Classification System (USCS)

Figure A1

Log of Borehole – B1

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED			ML	B1-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft) Brown, fine SILT Medium moist, medium dense Soil sample B1-0.5 @ 9:30
5					B1-5		0.0	Soil sample B1-5 @ 9:35
10								Boring termination at 5 feet bgs. No groundwater encountered.
15								
20								
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A2

Log of Borehole – B2

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED			ML	B2-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft)
								Brown, fine SILT
				SM				Brown, silty fine SAND
								Soil sample B2-0.5 @ 9:50
5					B2-5		0.0	Soil sample B2-5 @ 9:55
								Boring termination at 5 feet bgs.
								No groundwater encountered.
10								
15								
20								
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A3

Log of Borehole – B3

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED			ML	B3-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft)
								Brown, fine SILT
				SM				Brown, silty fine SAND
								Soil sample B3-0.5 @ 10:10
5					B3-5		0.0	Soil sample B3-5 @ 10:15
								Boring termination at 5 feet bgs.
								No groundwater encountered.
10								
15								
20								
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A4

Log of Borehole – B4

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED			ML	B4-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft)
								Brown, fine SILT
				SM				Soil sample B4-0.5@10:25
								Brown, silty fine SAND
5					B4-5		0.0	Soil sample B4-5 @ 10:30
								Boring termination at 5 feet bgs.
								No groundwater encountered.
10								
15								
20								
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A5

Log of Borehole – B5

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED			ML	B5-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft) Brown, fine SILT Medium moist, medium dense Soil sample B5-0.5 @ 10:45
5					B5-5		0.0	Soil sample B5-5 @ 10:50
								Boring termination at 5 feet bgs. No groundwater encountered.
10								
15								
20								
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A6

Log of Borehole – B6

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED	▽		ML	B6-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft)
5							0.0	Brown, silty fine SAND Soil sample B6-0.5 @ 11:20
10				SM			0.0	
15					B6-15	W6	0.0	Soil sample B6-15 @ 11:25 Water sample W6@11:30
20							0.0	
25								Boring termination at 20 feet bgs Groundwater encountered at 14.5 feet bgs.

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Special Interest Auto Wrecking

1/21/2021 | Figure A7

Log of Borehole – B7

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED	▽		ML	B7-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft)
5				SM			0.0	Brown, silty fine SAND Soil sample B7-0.5 @ 12:20
10							0.0	
15				SP	B7-15	W7	0.0	Brown to gray Coarse SAND, wet Soil sample B7-15 @ 12:25 Water sample W7@12:30
20							0.0	
25								Boring termination at 20 feet bgs Groundwater encountered at 14.5 feet bgs.

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Special Interest Auto Wrecking

1/21/2021 | Figure A8

Log of Borehole – B8

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED			ML	B8-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft) Soil sample B8-0.5 @ 13:00
5							0.0	Gray, fine SAND
10				SP			0.0	
15		▽			B8-15	W8	0.0	Soil sample B8-15 @ 13:05 Water sample W8@13:10 Wet find SAND (15 ~ 20)
20							0.0	
								Boring termination at 20 feet bgs Groundwater encountered at 15 feet bgs.
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A9

Log of Borehole – B9

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED	▽			B9-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft) Soil sample B9-0.5 @ 13:40 Brown, SILT
5				ML			0.0	
10							0.0	
								Brown, silty fine SAND
15				SM	B9-15	W9	0.0	Soil sample B9-15 @ 13:45 Water sample W9@13:50
20							0.0	
								Boring termination at 20 feet bgs Groundwater encountered at 15 feet bgs.
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A10

Log of Borehole – B10

Project: Special Interest Auto Wrecking	Elevation: 35 ft. above sea level
Loc: 25923 78th Ave S, Kent, WA 98032	Drilling Method: Geoprobe (Model 6600)
Driller: Standard Environmental Probe	Logged by: Jake Lee

Depth (ft)	Well	Water Table	Symbol	USCS	Soil Sample	Water sample	PID Reading	Soil Description
	NO WELL CONSTRUCTED				B10-0.5		0.0	Grayish brown, SILT with gravel (~ 1 ft) Soil sample B10-0.5 @ 14:20 Brown, SILT
5				ML			0.0	
10							0.0	
								Brown, silty fine SAND
15		▽		SM	B10-15	W10	0.0	Soil sample B10-15 @ 14:25 Water sample W10@14:30
20							0.0	
								Boring termination at 20 feet bgs Groundwater encountered at 15 feet bgs.
25								

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Special Interest Auto Wrecking

1/21/2021 | Figure A11

APPENDIX B. SITE PHOTOGRAPHS

B

Photo 1. A view of the entrance of the Subject Property looking west.

Photo 2. A view of the GPR survey.

Photo 3. A view of the private locating.

Photo 4. A view of the office building looking east.

Photo 5. A view of the shop building looking north.

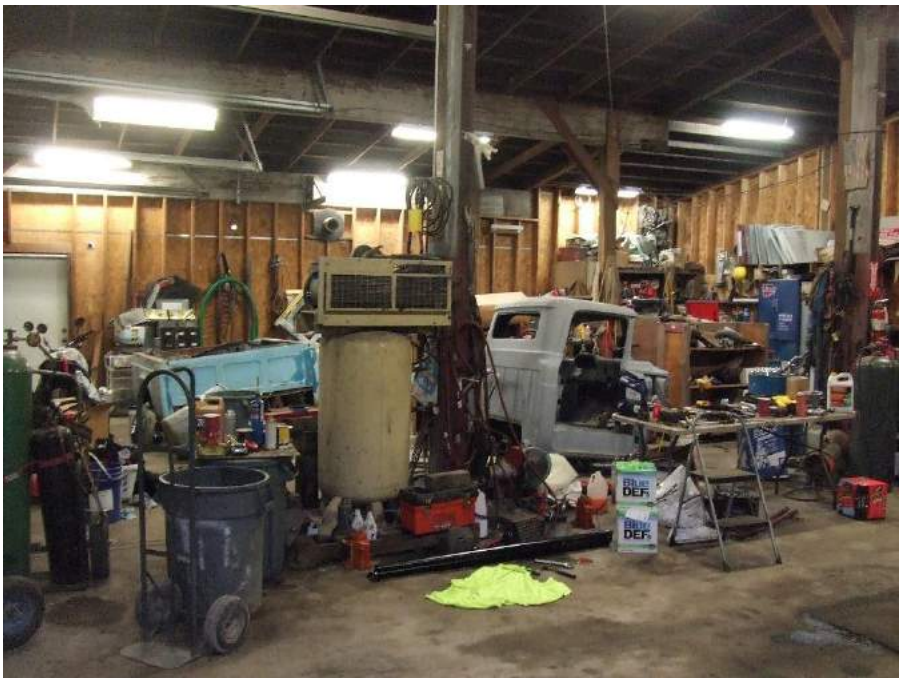

Photo 6. An inside view of the shop building.

Photo 7. A view of the dismantle building looking southwest.

Photo 8. An inside view of the dismantle building.

Photo 9. A view of the Subject Property looking west from the entrance.

Photo 10. A view of the Subject Property looking further west from the shop building.

Photo 11. A view looking west from the Subject Property.

Photo 12. A view looking north from the Subject Property.

Photo 13. A view of the soil boring – B1.

Photo 14. A view of the soil boring – B2.

Photo 15. A view of the soil boring – B3.

Photo 16. A view of the soil boring – B4.

Photo 17. A view of the soil boring – B5.

Photo 18. A view of the soil boring – B6.

Photo 19. A view of the soil boring – B7.

Photo 20. A view of the soil boring – B8.

Photo 21. A view of the soil boring – B9.

Photo 22. A view of the soil boring – B10.

APPENDIX C. LABORATORY REPORT

C

Libby Environmental, Inc.
3322 South Bay Road NE • Olympia, WA 98506-2957

February 1, 2021

Jake Lee
Envitechnology, Inc.
9805 NE 116th Street, Suite 300
Kirkland, WA 98034

Dear Mr. Lee:

Please find enclosed the analytical data report for the Special Interest Auto Wrecking Project located in Kent, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of within 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@gmail.com

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
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Fax: 360-352-4154

Chain of Custody Record

www.LibbyEnvironmental.com

Date: 1-21-21 Page: 1 of 2

Client: Envitechnology, INC
Address: 9805 NEilbth St #300
City: Kirkland State: WA Zip: 98034
Phone: 425-890-3517 Fax: 425-310-6600
Client Project # Jakelee@envitechnology.com

Project Manager: Jake Lee
Project Name: Special Interest Auto Wrecking
Location: 25923 78th Ave S City, State: Kent, WA
Collector: Jake Lee Date of Collection: 1/21/21
Email:

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Semi Vol 8270	VOCs = VOC 8260	Field Notes
1	B1-0.5	0.5	9:30	Soil				X			X	X	X			X		X	
2	B1-5	5	9:35																
3	B2-0.5	0.5	9:50																
4	B2-5	5	9:55																
5	B3-0.5	0.5	10:10																
6	B3-5	5	10:15																
7	B4-0.5	0.5	10:25																
8	B4-5	5	10:30																
9	B5-0.5	0.5	10:45																
10	B5-5	5	10:50																
11	B6-0.5	0.5	11:20																
12	B6-15	15	11:25																
13	B7-0.5	0.5	12:20																
14	B7-15	15	12:25																
15	B8-0.5	0.5	13:00																
16	B8-15	15	13:05																
17	B9-0.5	0.5	13:40																

Relinquished by:	Date / Time	Received by:	Date / Time
		Melissa TE	1/21/21 17:45
Relinquished by:	Date / Time	Received by:	Date / Time
Relinquished by:	Date / Time	Received by:	Date / Time

Sample Receipt

Good Condition?	Y	N
Cooler Temp.		°C
Sample Temp.		°C
Total Number of Containers		

Remarks:

TAT: 24HR 48HR 5-DAY

LEGAL ACTION CLAUSE: *In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a court of law.*

Distribution: White - Lab, Yellow - Originator

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

www.LibbyEnvironmental.com

Client: Envitechnology, inc
Address:
City: State: Zip:
Phone: Fax:
Client Project #

Date: Page: 2 of 2
Project Manager:
Project Name: Special Interest Auto Wrecking
Location: City, State: Kent, WA
Collector: Date of Collection:
Email:

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Semi Vol 8270			Field Notes
1	B9-1.5	1.5	13:45	Soil		X		X			X	X	X			X				
2	B10-0.5	0.5	14:20	↓		↓		↓			↓	↓	↓			↓				
3	B10-1.5	1.5	14:30	↓																
4	W6	1.5	11:30	Water																
5	W7	1.5	12:30																	
6	W8	1.5	13:10																	
7	W9	1.5	13:50																	
8	W10	1.5	14:30	↓		↓		↓			↓	↓	↓			↓				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				

Relinquished by:	Date / Time	Received by:	Date / Time
John Ing Lee	1/21/21 15:20	Russell Vaughn	1-21-21 15:20
Russell Vaughn	1-21-21	Melissa HR	1/21/21 1745

Sample Receipt

Good Condition?	Y	N
Cooler Temp.		°C
Sample Temp.		°C
Total Number of Containers		

Remarks:

TAT: 24HR 48HR (5-DAY)

LEGAL ACTION CLAUSE: *In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a court of law.*

Distribution: White - Lab, Yellow - Originator

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		Method Blank	B1-0.5	B1-5	B2-0.5	B2-5	B3-0.5
Date Sampled	Reporting	N/A	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/22/2021	1/25/2021	1/22/2021	1/22/2021	1/22/2021	1/22/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
Methyl *tert*- Butyl Ether (MTBE)	0.05	nd	nd	nd	nd	nd	nd
trans -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.03	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
Chloroform	0.03	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.03	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.03	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.03	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Toluene	0.10	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.03	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
Total Xylenes	0.15	nd	nd	nd	nd	nd	nd
Styrene	0.03	nd	nd	nd	nd	nd	nd

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		Method Blank	B1-0.5	B1-5	B2-0.5	B2-5	B3-0.5
Date Sampled	Reporting	N/A	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/22/2021	1/25/2021	1/22/2021	1/22/2021	1/22/2021	1/22/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.15	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.15	nd	nd	nd	nd	nd	nd
Bromobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.04	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.04	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.04	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
p-Isopropyltoluene	0.04	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.15	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.15	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.15	nd	nd	nd	nd	nd	nd
Naphthalene	0.15	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.15	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		113	126	124	110	113	111
1,2-Dichloroethane-d4		111	125	124	108	107	108
Toluene-d8		90	66	66	74	89	101
4-Bromofluorobenzene		78	115	100	87	89	69

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* ANALYZED BY SIM
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		B3-0.5 Dup	B3-5	B4-0.5	B4-5	B5-0.5	B5-5
Date Sampled	Reporting	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/22/2021	1/22/2021	1/22/2021	1/22/2021	1/22/2021	1/22/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
Methyl *tert*- Butyl Ether (MTBE)	0.05	nd	nd	nd	nd	nd	nd
trans -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.03	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
Chloroform	0.03	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.03	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.03	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.03	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Toluene	0.10	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.03	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
Total Xylenes	0.15	nd	nd	nd	nd	nd	nd
Styrene	0.03	nd	nd	nd	nd	nd	nd

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		B3-0.5 Dup	B3-5	B4-0.5	B4-5	B5-0.5	B5-5
Date Sampled	Reporting	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/22/2021	1/22/2021	1/22/2021	1/22/2021	1/22/2021	1/22/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.15	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.15	nd	nd	nd	nd	nd	nd
Bromobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.04	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.04	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.04	nd	nd	0.085	nd	nd	nd
sec-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
p-Isopropyltoluene	0.04	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.15	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.15	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.15	nd	nd	nd	nd	nd	nd
Naphthalene	0.15	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.15	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		112	131	115	120	119	123
1,2-Dichloroethane-d4		109	129	114	114	118	119
Toluene-d8		91	67	67	66	66	65
4-Bromofluorobenzene		92	86	102	92	101	87

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* ANALYZED BY SIM
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		B6-0.5	B6-15	B6-15 Dup	B7-0.5	B7-15	B8-0.5
Date Sampled	Reporting	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
Methyl *tert*- Butyl Ether (MTBE)	0.05	nd	nd	nd	nd	nd	nd
trans -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.03	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
Chloroform	0.03	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.03	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.03	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.03	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Toluene	0.10	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.03	0.057	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	0.0075	nd
Chlorobenzene	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
Total Xylenes	0.15	nd	nd	nd	nd	nd	nd
Styrene	0.03	nd	nd	nd	nd	nd	nd

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		B6-0.5	B6-15	B6-15 Dup	B7-0.5	B7-15	B8-0.5
Date Sampled	Reporting	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.15	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.15	nd	nd	nd	nd	nd	nd
Bromobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.04	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.04	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.04	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
p-Isopropyltoluene	0.04	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.15	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.15	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.15	nd	nd	nd	nd	nd	nd
Naphthalene	0.15	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.15	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		106	110	116	109	111	112
1,2-Dichloroethane-d4		99	104	115	105	109	108
Toluene-d8		67	65	67	108	78	89
4-Bromofluorobenzene		92	91	85	66	89	88

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* ANALYZED BY SIM
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		B8-15	B9-0.5	B9-15	B10-0.5	B10-15	B10-15 Dup
Date Sampled	Reporting	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
Methyl *tert*- Butyl Ether (MTBE)	0.05	nd	nd	nd	nd	nd	nd
trans -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.03	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis -1,2-Dichloroethene	0.03	nd	nd	nd	nd	nd	nd
Chloroform	0.03	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.03	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.03	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.03	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.03	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
Toluene	0.10	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.03	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
Total Xylenes	0.15	nd	nd	nd	nd	nd	nd
Styrene	0.03	nd	nd	nd	nd	nd	nd

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Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		B8-15	B9-0.5	B9-15	B10-0.5	B10-15	B10-15 Dup
Date Sampled	Reporting	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.15	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.05	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.15	nd	nd	nd	nd	nd	nd
Bromobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.04	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.04	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.04	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.04	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
p-Isopropyltoluene	0.04	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.04	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.15	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.15	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.15	nd	nd	nd	nd	nd	nd
Naphthalene	0.15	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.15	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		112	112	110	107	110	112
1,2-Dichloroethane-d4		113	107	107	108	110	107
Toluene-d8		98	107	65	99	102	91
4-Bromofluorobenzene		81	78	84	87	69	85

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* ANALYZED BY SIM
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		Method Blank
Date Sampled	Reporting	N/A
Date Analyzed	Limits	1/25/2021
	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd
Chloromethane	0.06	nd
Vinyl chloride	0.02	nd
Bromomethane	0.09	nd
Chloroethane	0.06	nd
Trichlorofluoromethane	0.05	nd
1,1-Dichloroethene	0.05	nd
Methylene chloride	0.02	nd
Methyl *tert*- Butyl Ether (MTBE)	0.05	nd
trans -1,2-Dichloroethene	0.03	nd
1,1-Dichloroethane	0.03	nd
2,2-Dichloropropane	0.05	nd
cis -1,2-Dichloroethene	0.03	nd
Chloroform	0.03	nd
1,1,1-Trichloroethane (TCA)	0.03	nd
Carbon tetrachloride	0.03	nd
1,1-Dichloropropene	0.03	nd
Benzene	0.02	nd
1,2-Dichloroethane (EDC)	0.03	nd
Trichloroethene (TCE)	0.02	nd
1,2-Dichloropropane	0.03	nd
Dibromomethane	0.04	nd
Bromodichloromethane	0.03	nd
cis-1,3-Dichloropropene	0.03	nd
Toluene	0.10	nd
Trans-1,3-Dichloropropene	0.03	nd
1,1,2-Trichloroethane	0.03	nd
Tetrachloroethene (PCE)	0.03	nd
1,3-Dichloropropane	0.05	nd
Dibromochloromethane	0.03	nd
1,2-Dibromoethane (EDB) *	0.005	nd
Chlorobenzene	0.03	nd
Ethylbenzene	0.05	nd
1,1,1,2-Tetrachloroethane	0.05	nd
Total Xylenes	0.15	nd
Styrene	0.03	nd

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Volatile Organic Compounds by EPA Method 8260D in Soil

Sample Description		Method Blank
Date Sampled Date Analyzed	Reporting Limits (mg/kg)	N/A 1/25/2021 (mg/kg)
Bromoform	0.15	nd
Isopropylbenzene	0.05	nd
1,1,2,2-Tetrachloroethane	0.15	nd
Bromobenzene	0.04	nd
n-Propylbenzene	0.04	nd
1,2,3-Trichloropropane	0.04	nd
2-Chlorotoluene	0.04	nd
1,3,5-Trimethylbenzene	0.04	nd
4-Chlorotoluene	0.04	nd
tert-Butylbenzene	0.04	nd
1,2,4-Trimethylbenzene	0.04	nd
sec-Butylbenzene	0.04	nd
p-Isopropyltoluene	0.04	nd
1,3-Dichlorobenzene	0.04	nd
1,4-Dichlorobenzene	0.04	nd
n-Butylbenzene	0.04	nd
1,2-Dichlorobenzene	0.04	nd
1,2-Dibromo-3-Chloropropane	0.15	nd
1,2,4-Trichlorolbenzene	0.15	nd
Hexachloro-1,3-butadiene	0.15	nd
Naphthalene	0.15	nd
1,2,3-Trichlorobenzene	0.15	nd

Surrogate Recovery	
Dibromofluoromethane	121
1,2-Dichloroethane-d4	124
Toluene-d8	81
4-Bromofluorobenzene	89

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* ANALYZED BY SIM
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Kent, Washington
Libby Project # L210122-1

QA/QC for Volatile Organic Compounds by EPA Method 8260D in Soil

Matrix Spike Sample Identification: L210121-1								
Date Analyzed: 1/22/2021								
	Spiked Conc. (mg/kg)	MS Response (mg/kg)	MSD Response (mg/kg)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Dichlorodifluoromethane	0.25	0.26	0.23	104	92	12.2	65-135	
Chloromethane	0.25	0.18	0.17	72	68	5.7	65-135	
Vinyl chloride	0.25	0.20	0.21	80	84	4.9	65-135	
Bromomethane	0.25	0.35	0.36	140	144	2.8	65-135	S
Chloroethane	0.25	0.28	0.22	112	88	24.0	65-135	
Trichlorofluoromethane	0.25	0.24	0.27	96	108	11.8	65-135	
1,1-Dichloroethene	0.25	0.27	0.28	108	112	3.6	65-135	
Methylene chloride	0.25	0.25	0.27	100	108	7.7	65-135	
Methyl *tert*- Butyl Ether (MTBE)	0.25	0.24	0.24	96	96	0.0	65-135	
trans -1,2-Dichloroethene	0.25	0.28	0.26	112	104	7.4	65-135	
1,1-Dichloroethane	0.25	0.30	0.31	120	124	3.3	65-135	
2,2-Dichloropropane	0.25	0.28	0.29	112	116	3.5	65-135	
cis -1,2-Dichloroethene	0.25	0.31	0.30	124	120	3.3	65-135	
Chloroform	0.25	0.31	0.32	124	128	3.2	65-135	
1,1,1-Trichloroethane (TCA)	0.25	0.30	0.30	120	120	0.0	65-135	
Carbon tetrachloride	0.25	0.33	0.33	132	132	0.0	65-135	
1,1-Dichloropropene	0.25	0.27	0.26	108	104	3.8	65-135	
Benzene	0.25	0.28	0.29	112	116	3.5	65-135	
1,2-Dichloroethane (EDC)	0.25	0.31	0.29	124	116	6.7	65-135	
Trichloroethene (TCE)	0.25	0.20	0.21	80	84	4.9	65-135	
1,2-Dichloropropane	0.25	0.24	0.19	96	76	23.3	65-135	
Dibromomethane	0.25	0.24	0.25	96	100	4.1	65-135	
Bromodichloromethane	0.25	0.29	0.24	116	96	18.9	65-135	
cis-1,3-Dichloropropene	0.25	0.13	0.14	52	56	7.4	65-135	S
Toluene	0.25	0.17	0.18	68	72	5.7	65-135	
Trans-1,3-Dichloropropene	0.25	0.22	0.22	88	88	0.0	65-135	
1,1,2-Trichloroethane	0.25	0.33	0.33	132	132	0.0	65-135	
Tetrachloroethene (PCE)	0.25	0.27	0.21	108	84	25.0	65-135	
1,3-Dichloropropane	0.25	0.24	0.24	96	96	0.0	65-135	
Dibromochloromethane	0.25	0.34	0.34	136	136	0.0	65-135	S
1,2-Dibromoethane (EDB)	0.25	0.257	0.225	103	90	13.3	65-135	
Chlorobenzene	0.25	0.29	0.29	116	116	0.0	65-135	
Ethylbenzene	0.25	0.24	0.24	96	96	0.0	65-135	
1,1,1,2-Tetrachloroethane	0.25	0.38	0.37	152	148	2.7	65-135	S
Total Xylenes	0.75	0.65	0.63	87	84	3.1	65-135	
Styrene	0.25	0.19	0.20	76	80	5.1	65-135	

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Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

QA/QC for Volatile Organic Compounds by EPA Method 8260D in Soil

Matrix Spike Sample Identification: L210121-1								
Date Analyzed: 1/22/2021								
	Spiked Conc. (mg/kg)	MS Response (mg/kg)	MSD Response (mg/kg)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Bromoform	0.25	0.32	0.35	128	140	9.0	65-135	S
Isopropylbenzene	0.25	0.19	0.18	76	72	5.4	65-135	
1,1,2,2-Tetrachloroethane	0.25	0.28	0.28	112	112	0.0	65-135	
Bromobenzene	0.25	0.24	0.23	96	92	4.3	65-135	
n-Propylbenzene	0.25	0.20	0.20	80	80	0.0	65-135	
1,2,3-Trichloropropane	0.25	0.27	0.29	108	116	7.1	65-135	
2-Chlorotoluene	0.25	0.20	0.19	80	76	5.1	65-135	
1,3,5-Trimethylbenzene	0.25	0.19	0.19	76	76	0.0	65-135	
4-Chlorotoluene	0.25	0.18	0.19	72	76	5.4	65-135	
tert-Butylbenzene	0.25	0.17	0.16	68	64	6.1	65-135	
1,2,4-Trimethylbenzene	0.25	0.19	0.19	76	76	0.0	65-135	
sec-Butylbenzene	0.25	0.20	0.21	80	84	4.9	65-135	
Isopropyltoluene	0.25	0.17	0.17	68	68	0.0	65-135	
1,3-Dichlorobenzene	0.25	0.25	0.25	100	100	0.0	65-135	
1,4-Dichlorobenzene	0.25	0.27	0.27	108	108	0.0	65-135	
n-Butylbenzene	0.25	0.16	0.17	64	68	6.1	65-135	S
1,2-Dichlorobenzene	0.25	0.23	0.22	92	88	4.4	65-135	
1,2-Dibromo-3-Chloropropane	0.25	0.12	0.11	48	44	8.7	65-135	S
1,2,4-Trichlorolbenzene	0.25	0.17	0.17	68	68	0.0	65-135	
Hexachloro-1,3-butadiene	0.25	0.20	0.25	80	100	22.2	65-135	
Naphthalene	0.25	0.13	0.14	52	56	7.4	65-135	S
1,2,3-Trichlorobenzene	0.25	0.21	0.21	84	84	0.0	65-135	

Surrogate Recovery (%)	MS	MSD	
Dibromofluoromethane	127	126	65-135
1,2-Dichloroethane-d4	125	120	65-135
Toluene-d8	66	65	65-135
4-Bromofluorobenzene	123	104	65-135

ACCEPTABLE RPD IS 35%

"S" Spike compound recovery is outside acceptance limits.

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Laboratory Control Sample

Date Analyzed: 1/22/2021

	Spiked Conc. (mg/kg)	LCS Response (mg/kg)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Dichlorodifluoromethane	0.25	0.24	95	80-120	
Chloromethane	0.25	0.21	84	80-120	
Vinyl chloride	0.25	0.21	83	80-120	
Bromomethane	0.25	0.29	116	80-120	
Chloroethane	0.25	0.28	110	80-120	
Trichlorofluoromethane	0.25	0.29	117	80-120	
1,1-Dichloroethene	0.25	0.28	112	80-120	
Methylene chloride	0.25	0.29	116	80-120	
Methyl *tert*- Butyl Ether (MTBE)	0.25	0.22	87	80-120	
trans -1,2-Dichloroethene	0.25	0.29	116	80-120	
1,1-Dichloroethane	0.25	0.30	119	80-120	
2,2-Dichloropropane	0.25	0.29	117	80-120	
cis -1,2-Dichloroethene	0.25	0.30	119	80-120	
Chloroform	0.25	0.29	117	80-120	
1,1,1-Trichloroethane (TCA)	0.25	0.29	115	80-120	
Carbon tetrachloride	0.25	0.28	113	80-120	
1,1-Dichloropropene	0.25	0.29	116	80-120	
Benzene	0.25	0.24	97	80-120	
1,2-Dichloroethane (EDC)	0.25	0.23	90	80-120	
Trichloroethene (TCE)	0.25	0.20	80	80-120	
1,2-Dichloropropane	0.25	0.21	82	80-120	
Dibromomethane	0.25	0.20	81	80-120	
Bromodichloromethane	0.25	0.26	104	80-120	
cis-1,3-Dichloropropene	0.25	0.22	87	80-120	
Toluene	0.25	0.21	83	80-120	
Trans-1,3-Dichloropropene	0.25	0.22	87	80-120	
1,1,2-Trichloroethane	0.25	0.30	119	80-120	
Tetrachloroethene (PCE)	0.25	0.28	113	80-120	
1,3-Dichloropropane	0.25	0.22	90	80-120	
Dibromochloromethane	0.25	0.29	117	80-120	
1,2-Dibromoethane (EDB)	0.25	0.250	100	80-120	
Chlorobenzene	0.25	0.30	118	80-120	
Ethylbenzene	0.25	0.25	100	80-120	
1,1,1,2-Tetrachloroethane	0.25	0.30	119	80-120	
Total Xylenes	0.75	0.73	97	80-120	
Styrene	0.25	0.24	98	80-120	

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Libby Project # L210122-1

Laboratory Control Sample

Date Analyzed: 1/22/2021

	Spiked Conc. (mg/kg)	LCS Response (mg/kg)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Bromoform	0.25	0.27	109	80-120	
Isopropylbenzene	0.25	0.21	84	80-120	
1,1,2,2-Tetrachloroethane	0.25	0.24	96	80-120	
Bromobenzene	0.25	0.27	108	80-120	
n-Propylbenzene	0.25	0.23	94	80-120	
1,2,3-Trichloropropane	0.25	0.24	96	80-120	
2-Chlorotoluene	0.25	0.24	94	80-120	
1,3,5-Trimethylbenzene	0.25	0.23	93	80-120	
4-Chlorotoluene	0.25	0.23	92	80-120	
tert-Butylbenzene	0.25	0.21	83	80-120	
1,2,4-Trimethylbenzene	0.25	0.23	93	80-120	
sec-Butylbenzene	0.25	0.25	102	80-120	
Isopropyltoluene	0.25	0.21	83	80-120	
1,3-Dichlorobenzene	0.25	0.30	119	80-120	
1,4-Dichlorobenzene	0.25	0.30	120	80-120	
n-Butylbenzene	0.25	0.21	85	80-120	
1,2-Dichlorobenzene	0.25	0.25	102	80-120	
1,2-Dibromo-3-Chloropropane	0.25	0.24	97	80-120	
1,2,4-Trichlorolbenzene	0.25	0.21	85	80-120	
Hexachloro-1,3-butadiene	0.25	0.29	117	80-120	
Naphthalene	0.25	0.24	94	80-120	
1,2,3-Trichlorobenzene	0.25	0.24	95	80-120	

Surrogate Recovery			
Dibromofluoromethane	125	65-135	
1,2-Dichloroethane-d4	95	65-135	
Toluene-d8	97	65-135	
4-Bromofluorobenzene	101	65-135	

ANALYSES PERFORMED BY: Melissa Harrington

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Kent, Washington
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Volatile Organic Compounds by EPA Method 8260D in Water

Sample Description		Method Blank	W6	W7	W7 Dup	W8	W9
Date Sampled	Reporting	N/A	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Dichlorodifluoromethane	2.0	nd	nd	nd	nd	nd	nd
Chloromethane	2.0	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd	nd	nd	nd
Bromomethane	2.0	nd	nd	nd	nd	nd	nd
Chloroethane	2.0	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.5	nd	nd	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd	nd	nd
Methyl *tert*- Butyl Ether (MTBE)	5.0	nd	nd	nd	nd	nd	nd
trans -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd	nd
cis -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.4	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
Total Xylenes	2.0	nd	nd	nd	nd	nd	nd
Styrene	1.0	nd	nd	nd	nd	nd	nd

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Water

Sample Description		Method Blank	W6	W7	W7 Dup	W8	W9
Date Sampled	Reporting	N/A	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed	Limits	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021	1/25/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Bromoform	1.0	nd	nd	nd	nd	nd	nd
Isopropylbenzene	4.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd	nd
n-Propylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
p-Isopropyltoluene	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	2.0	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd	nd	nd	nd
Naphthalene	5.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		101	112	105	114	108	100
1,2-Dichloroethane-d4		111	101	111	119	107	105
Toluene-d8		92	99	94	100	95	99
4-Bromofluorobenzene		86	86	87	88	82	85

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* ANALYZED BY SIM
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Volatile Organic Compounds by EPA Method 8260D in Water

Sample Description		W10
Date Sampled Date Analyzed	Reporting Limits (µg/L)	1/21/2021 1/25/2021 (µg/L)
Dichlorodifluoromethane	2.0	nd
Chloromethane	2.0	nd
Vinyl chloride	0.2	nd
Bromomethane	2.0	nd
Chloroethane	2.0	nd
Trichlorofluoromethane	2.0	nd
1,1-Dichloroethene	0.5	nd
Methylene chloride	1.0	nd
Methyl *tert*- Butyl Ether (MTBE)	5.0	nd
trans -1,2-Dichloroethene	1.0	nd
1,1-Dichloroethane	1.0	nd
2,2-Dichloropropane	2.0	nd
cis -1,2-Dichloroethene	1.0	nd
Chloroform	1.0	nd
1,1,1-Trichloroethane (TCA)	1.0	nd
Carbon tetrachloride	1.0	nd
1,1-Dichloropropene	1.0	nd
Benzene	1.0	nd
1,2-Dichloroethane (EDC)	1.0	nd
Trichloroethene (TCE)	0.4	nd
1,2-Dichloropropane	1.0	nd
Dibromomethane	1.0	nd
Bromodichloromethane	1.0	nd
cis-1,3-Dichloropropene	1.0	nd
Toluene	1.0	nd
Trans-1,3-Dichloropropene	1.0	nd
1,1,2-Trichloroethane	1.0	nd
Tetrachloroethene (PCE)	1.0	nd
1,3-Dichloropropane	1.0	nd
Dibromochloromethane	1.0	nd
1,2-Dibromoethane (EDB) *	0.01	nd
Chlorobenzene	1.0	nd
Ethylbenzene	1.0	nd
1,1,1,2-Tetrachloroethane	1.0	nd
Total Xylenes	2.0	nd
Styrene	1.0	nd

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Volatile Organic Compounds by EPA Method 8260D in Water

Sample Description		W10
Date Sampled	Reporting	1/21/2021
Date Analyzed	Limits	1/25/2021
	(µg/L)	(µg/L)
Bromoform	1.0	nd
Isopropylbenzene	4.0	nd
1,1,2,2-Tetrachloroethane	1.0	nd
Bromobenzene	1.0	nd
n-Propylbenzene	1.0	nd
1,2,3-Trichloropropane	1.0	nd
2-Chlorotoluene	1.0	nd
1,3,5-Trimethylbenzene	1.0	nd
4-Chlorotoluene	1.0	nd
tert-Butylbenzene	1.0	nd
1,2,4-Trimethylbenzene	1.0	nd
sec-Butylbenzene	1.0	nd
p-Isopropyltoluene	1.0	nd
1,3-Dichlorobenzene	1.0	nd
1,4-Dichlorobenzene	1.0	nd
n-Butylbenzene	1.0	nd
1,2-Dichlorobenzene	1.0	nd
1,2-Dibromo-3-Chloropropane	1.0	nd
1,2,4-Trichlorolbenzene	2.0	nd
Hexachloro-1,3-butadiene	5.0	nd
Naphthalene	5.0	nd
1,2,3-Trichlorobenzene	5.0	nd

Surrogate Recovery	
Dibromofluoromethane	101
1,2-Dichloroethane-d4	109
Toluene-d8	91
4-Bromofluorobenzene	82

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

* ANALYZED BY SIM
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

QA/QC for Volatile Organic Compounds by EPA Method 8260D in Water

Matrix Spike Sample Identification: W7

Date Analyzed: 1/25/2021

	Spiked Conc. (µg/L)	MS Response (µg/L)	MSD Response (µg/L)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Dichlorodifluoromethane	4.0	3.3	3.5	82	89	8.2	65-135	
Chloromethane	4.0	4.8	4.7	120	117	2.7	65-135	
Vinyl chloride	4.0	3.7	3.2	92	79	15.5	65-135	
Bromomethane	4.0	4.2	4.6	106	115	8.4	65-135	
Chloroethane	4.0	3.5	3.1	87	78	10.3	65-135	
Trichlorofluoromethane	4.0	4.5	4.6	113	115	2.2	65-135	
1,1-Dichloroethene	4.0	4.1	4.0	103	100	2.7	65-135	
Methylene chloride	4.0	4.0	4.0	99	100	0.8	65-135	
Methyl *tert*- Butyl Ether (MTBE)	4.0	4.1	4.1	103	103	0.2	65-135	
trans -1,2-Dichloroethene	4.0	4.0	4.0	101	99	1.7	65-135	
1,1-Dichloroethane	4.0	4.1	4.4	103	111	7.5	65-135	
2,2-Dichloropropane	4.0	3.9	3.9	99	97	1.5	65-135	
cis -1,2-Dichloroethene	4.0	4.2	4.5	104	113	8.3	65-135	
Chloroform	4.0	4.4	4.6	110	116	5.5	65-135	
1,1,1-Trichloroethane (TCA)	4.0	4.3	4.4	109	109	0.1	65-135	
Carbon tetrachloride	4.0	4.5	4.4	114	111	2.5	65-135	
1,1-Dichloropropene	4.0	3.8	4.0	96	100	4.6	65-135	
Benzene	4.0	4.0	4.3	100	108	7.2	65-135	
1,2-Dichloroethane (EDC)	4.0	4.3	4.4	106	110	3.7	65-135	
Trichloroethene (TCE)	4.0	3.9	3.4	96	85	12.1	65-135	
1,2-Dichloropropane	4.0	3.8	3.9	95	98	3.4	65-135	
Dibromomethane	4.0	4.3	4.6	107	115	7.0	65-135	
Bromodichloromethane	4.0	3.8	3.6	95	90	5.2	65-135	
cis-1,3-Dichloropropene	4.0	3.5	3.4	87	84	3.8	65-135	
Toluene	4.0	4.0	4.0	101	99	1.5	65-135	
Trans-1,3-Dichloropropene	4.0	4.0	3.9	99	98	1.0	65-135	
1,1,2-Trichloroethane	4.0	4.4	4.4	109	111	1.8	65-135	
Tetrachloroethene (PCE)	4.0	4.0	4.0	100	101	1.0	65-135	
1,3-Dichloropropane	4.0	4.4	4.1	109	102	6.9	65-135	
Dibromochloromethane	4.0	4.3	4.7	108	118	8.6	65-135	
1,2-Dibromoethane (EDB)	4.0	4.0	4.2	101	106	5.1	65-135	
Chlorobenzene	4.0	3.7	3.9	92	98	7.1	65-135	
Ethylbenzene	4.0	3.5	3.7	88	93	6.1	65-135	
1,1,1,2-Tetrachloroethane	4.0	4.2	4.9	105	122	15.5	65-135	
Total Xylenes	12.0	10.1	10.3	84	86	2.3	65-135	
Styrene	4.0	3.3	3.2	83	81	3.0	65-135	

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

QA/QC for Volatile Organic Compounds by EPA Method 8260D in Water

Matrix Spike Sample Identification: W7

Date Analyzed: 1/25/2021

	Spiked Conc. (µg/L)	MS Response (µg/L)	MSD Response (µg/L)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Bromoform	4.0	4.5	5.1	113	127	11.7	65-135	
Isopropylbenzene	4.0	3.0	3.1	74	78	4.9	65-135	
1,1,2,2-Tetrachloroethane	4.0	6.2	5.2	154	129	17.6	65-135	S
Bromobenzene	4.0	4.0	3.6	101	89	12.1	65-135	
n-Propylbenzene	4.0	3.6	3.7	91	92	1.1	65-135	
1,2,3-Trichloropropane	4.0	4.5	4.2	113	105	7.6	65-135	
2-Chlorotoluene	4.0	3.2	3.7	79	92	14.7	65-135	
1,3,5-Trimethylbenzene	4.0	3.2	3.2	81	81	0.6	65-135	
4-Chlorotoluene	4.0	3.8	3.6	95	91	4.3	65-135	
tert-Butylbenzene	4.0	3.2	3.1	80	78	2.5	65-135	
1,2,4-Trimethylbenzene	4.0	3.5	3.4	89	85	3.7	65-135	
sec-Butylbenzene	4.0	3.2	2.9	81	74	9.1	65-135	
Isopropyltoluene	4.0	2.3	2.8	58	69	17.8	65-135	S
1,3-Dichlorobenzene	4.0	4.2	3.9	106	97	8.9	65-135	
1,4-Dichlorobenzene	4.0	4.0	4.0	99	100	1.0	65-135	
n-Butylbenzene	4.0	2.8	3.0	70	75	6.9	65-135	
1,2-Dichlorobenzene	4.0	3.5	3.7	88	94	6.6	65-135	
1,2-Dibromo-3-Chloropropane	4.0	5.0	3.4	124	86	36.5	65-135	R
1,2,4-Trichlorolbenzene	4.0	2.5	2.7	63	69	9.2	65-135	S
Hexachloro-1,3-butadiene	4.0	2.9	3.6	73	91	22.1	65-135	
Naphthalene	4.0	3.5	3.1	87	78	11.2	65-135	
1,2,3-Trichlorobenzene	4.0	3.0	3.5	75	89	16.5	65-135	

Surrogate Recovery (%)	MS	MSD	
Dibromofluoromethane	108	107	65-135
1,2-Dichloroethane-d4	114	108	65-135
Toluene-d8	94	95	65-135
4-Bromofluorobenzene	96	99	65-135

ACCEPTABLE RPD IS 35%

"S" Spike compound recovery is outside acceptance limits.
"R" High relative percent difference observed.

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Laboratory Control Sample

Date Analyzed: 1/25/2021

	Spiked Conc. (µg/L)	LCS Response (µg/L)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Dichlorodifluoromethane	4.0	3.5	88	80-120	
Chloromethane	4.0	4.7	118	80-120	
Vinyl chloride	4.0	4.1	103	80-120	
Bromomethane	4.0	5.0	125	80-120	
Chloroethane	4.0	3.6	90	80-120	
Trichlorofluoromethane	4.0	4.5	113	80-120	
1,1-Dichloroethene	4.0	4.3	108	80-120	
Methylene chloride	4.0	4.3	108	80-120	
Methyl *tert*- Butyl Ether (MTBE)	4.0	3.9	98	80-120	
trans -1,2-Dichloroethene	4.0	3.8	95	80-120	
1,1-Dichloroethane	4.0	4.2	105	80-120	
2,2-Dichloropropane	4.0	4.1	103	80-120	
cis -1,2-Dichloroethene	4.0	4.0	100	80-120	
Chloroform	4.0	4.3	108	80-120	
1,1,1-Trichloroethane (TCA)	4.0	4.3	108	80-120	
Carbon tetrachloride	4.0	4.5	113	80-120	
1,1-Dichloropropene	4.0	3.9	98	80-120	
Benzene	4.0	4.1	103	80-120	
1,2-Dichloroethane (EDC)	4.0	4.0	100	80-120	
Trichloroethene (TCE)	4.0	3.2	80	80-120	
1,2-Dichloropropane	4.0	4.3	108	80-120	
Dibromomethane	4.0	4.6	115	80-120	
Bromodichloromethane	4.0	4.0	100	80-120	
cis-1,3-Dichloropropene	4.0	3.6	90	80-120	
Toluene	4.0	3.8	95	80-120	
Trans-1,3-Dichloropropene	4.0	4.0	100	80-120	
1,1,2-Trichloroethane	4.0	4.3	108	80-120	
Tetrachloroethene (PCE)	4.0	4.7	118	80-120	
1,3-Dichloropropane	4.0	4.1	101	80-120	
Dibromochloromethane	4.0	4.8	120	80-120	
1,2-Dibromoethane (EDB)	4.0	4.2	105	80-120	
Chlorobenzene	4.0	4.0	100	80-120	
Ethylbenzene	4.0	3.8	95	80-120	
1,1,1,2-Tetrachloroethane	4.0	4.5	111	80-120	
Total Xylenes	12.0	11.1	93	80-120	
Styrene	4.0	3.6	91	80-120	

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Laboratory Control Sample

	Spiked Conc. (µg/L)	LCS Response (µg/L)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Bromoform	4.0	4.3	108	80-120	
Isopropylbenzene	4.0	3.3	83	80-120	
1,1,2,2-Tetrachloroethane	4.0	4.5	113	80-120	
Bromobenzene	4.0	4.0	100	80-120	
n-Propylbenzene	4.0	3.7	91	80-120	
1,2,3-Trichloropropane	4.0	4.7	118	80-120	
2-Chlorotoluene	4.0	3.6	91	80-120	
1,3,5-Trimethylbenzene	4.0	3.5	87	80-120	
4-Chlorotoluene	4.0	3.5	87	80-120	
tert-Butylbenzene	4.0	3.4	86	80-120	
1,2,4-Trimethylbenzene	4.0	3.7	92	80-120	
sec-Butylbenzene	4.0	3.3	83	80-120	
Isopropyltoluene	4.0	3.3	83	80-120	
1,3-Dichlorobenzene	4.0	4.0	99	80-120	
1,4-Dichlorobenzene	4.0	3.8	94	80-120	
n-Butylbenzene	4.0	3.5	88	80-120	
1,2-Dichlorobenzene	4.0	3.9	99	80-120	
1,2-Dibromo-3-Chloropropane	4.0	3.7	92	80-120	
1,2,4-Trichlorolbenzene	4.0	3.7	94	80-120	
Hexachloro-1,3-butadiene	4.0	3.9	97	80-120	
Naphthalene	4.0	3.8	94	80-120	
1,2,3-Trichlorobenzene	4.0	3.3	83	80-120	

Surrogate Recovery					
Dibromofluoromethane			109	65-135	
1,2-Dichloroethane-d4			105	65-135	
Toluene-d8			95	65-135	
4-Bromofluorobenzene			92	65-135	

ANALYSES PERFORMED BY: Melissa Harrington

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Kent, Washington
Libby Project # L210122-1

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	1/22/2021	90%	nd
Method Blank	1/25/2021	81%	nd
B1-0.5	1/25/2021	66%	nd
B1-5	1/22/2021	66%	nd
B2-0.5	1/22/2021	74%	nd
B2-5	1/22/2021	89%	nd
B3-0.5	1/22/2021	101%	nd
B3-0.5 Dup	1/22/2021	91%	nd
B3-5	1/22/2021	67%	nd
B4-0.5	1/22/2021	67%	42
B4-5	1/22/2021	66%	nd
B5-0.5	1/22/2021	66%	nd
B5-5	1/22/2021	65%	nd
B6-0.5	1/25/2021	67%	nd
B6-15	1/25/2021	65%	nd
B6-15 Dup	1/25/2021	67%	nd
B7-0.5	1/25/2021	108%	nd
B7-15	1/25/2021	78%	nd
B8-0.5	1/25/2021	89%	nd
B8-15	1/25/2021	98%	nd
B9-0.5	1/25/2021	107%	nd
B9-15	1/25/2021	65%	nd
B10-0.5	1/25/2021	99%	nd
B10-15	1/25/2021	102%	nd
B10-15 Dup	1/25/2021	91%	nd
Practical Quantitation Limit			10

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Analyses of Gasoline (NWTPH-Gx) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (µg/L)
Method Blank	1/25/2021	92%	nd
W6	1/25/2021	99%	nd
W7	1/25/2021	94%	nd
W7 Dup	1/25/2021	100%	nd
W8	1/25/2021	95%	nd
W9	1/25/2021	99%	nd
W10	1/25/2021	91%	nd
Practical Quantitation Limit			100

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Kent, Washington
Libby Project # L210122-1

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	1/25/2021	103	nd	nd
B1-0.5	1/25/2021	74	nd	nd
B1-0.5 Dup	1/25/2021	75	nd	nd
B1-5	1/25/2021	108	nd	nd
B2-0.5	1/25/2021	102	nd	490
B2-5	1/25/2021	113	nd	nd
B3-0.5	1/25/2021	102	nd	nd
B3-5	1/25/2021	74	nd	nd
B4-0.5	1/25/2021	109	nd	nd
B4-5	1/25/2021	103	nd	nd
B5-0.5	1/25/2021	69	nd	670
B5-5	1/25/2021	111	nd	nd
B6-0.5	1/25/2021	108	nd	nd
B6-0.5 Dup	1/25/2021	104	nd	nd
B6-15	1/25/2021	75	nd	nd
B7-0.5	1/26/2021	116	nd	14000
B7-15	1/25/2021	77	nd	nd
B8-0.5	1/25/2021	108	nd	900
B8-15	1/26/2021	102	nd	nd
B9-0.5	1/25/2021	73	nd	nd
B9-15	1/26/2021	82	nd	nd
B10-0.5	1/26/2021	107	nd	nd
B10-15	1/26/2021	90	nd	nd
Practical Quantitation Limit			50	250

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jenny Anderson

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (µg/L)	Oil (µg/L)
Method Blank	1/22/2021	81	nd	nd
W6	1/22/2021	83	nd	nd
W6 Dup	1/22/2021	82	nd	nd
W7	1/22/2021	84	nd	nd
W8	1/22/2021	82	nd	nd
W9	1/22/2021	86	nd	nd
W10	1/22/2021	84	nd	nd
Practical Quantitation Limit			200	400

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jenny Anderson

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

Analyses of PCB (Polychlorinated Biphenyls) in Soil by EPA Method 8082

Sample Description	PQL	Method Blank	LCS	B1-0.5	B1-0.5 Dup	B1-5	B2-0.5
Date Sampled		N/A	N/A	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed		1/26/2021	1/26/2021	1/26/2021	1/26/2021	1/26/2021	1/26/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Aroclor 1016	0.1	nd	96%	nd	nd	nd	nd
Aroclor 1221	0.1	nd		nd	nd	nd	nd
Aroclor 1232	0.1	nd		nd	nd	nd	nd
Aroclor 1242	0.1	nd		nd	nd	nd	nd
Aroclor 1248	0.1	nd		nd	nd	nd	nd
Aroclor 1254	0.1	nd		nd	nd	nd	nd
Aroclor 1260	0.1	nd	103%	nd	nd	nd	nd
Surrogate Recovery							
TCMX		97	94	105	101	72	91
DCBP		75	96	98	93	70	95

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Kent, Washington
Libby Project # L210122-1

Analyses of PCB (Polychlorinated Biphenyls) in Soil by EPA Method 8082

Sample Description	PQL	B2-5	B3-0.5	B3-5	B4-0.5	B4-5	B5-0.5
Date Sampled		1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed		1/26/2021	1/26/2021	1/26/2021	1/27/2021	1/26/2021	1/26/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Aroclor 1016	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1221	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1232	0.1	nd	nd	nd	8.8	0.17	nd
Aroclor 1242	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1248	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1254	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1260	0.1	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
TCMX		71	115	106	67	112	114
DCBP		72	103	106	dil	112	103

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

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Analyses of PCB (Polychlorinated Biphenyls) in Soil by EPA Method 8082

Sample Description	PQL	B5-5	B6-0.5	B6-15	B7-0.5	B7-15	B8-0.5
Date Sampled		1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed		1/26/2021	1/26/2021	1/26/2021	1/26/2021	1/26/2021	1/26/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Aroclor 1016	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1221	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1232	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1242	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1248	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1254	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1260	0.1	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
TCMX		1266	112	109	118	113	88
DCBP		113	92	107	104	107	103

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

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Analyses of PCB (Polychlorinated Biphenyls) in Soil by EPA Method 8082

Sample Description	PQL	B8-15	B9-0.5	B9-15	B10-0.5	B10-15	Method Blank
Date Sampled		1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021	N/A
Date Analyzed		1/26/2021	1/26/2021	1/26/2021	1/26/2021	1/26/2021	1/27/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Aroclor 1016	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1221	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1232	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1242	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1248	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1254	0.1	nd	nd	nd	nd	nd	nd
Aroclor 1260	0.1	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
TCMX		120	114	116	110	118	103
DCBP		110	101	108	99	106	77

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

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Analyses of PCB (Polychlorinated Biphenyls) in Soil by EPA Method 8082

Sample Description	PQL	B1-0.5 MS	B1-0.5 MSD	RPD
Date Sampled		1/21/2021	1/21/2021	1/21/2021
Date Analyzed		1/26/2021	1/26/2021	1/26/2021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Aroclor 1016	0.1	110%	90%	20%
Aroclor 1221	0.1			
Aroclor 1232	0.1			
Aroclor 1242	0.1			
Aroclor 1248	0.1			
Aroclor 1254	0.1			
Aroclor 1260	0.1	110%	116%	6%
Surrogate Recovery				
TCMX		98	107	
DCBP		99	99	

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Analyses of PCB (Polychlorinated Biphenyls) in Water by EPA Method 8082

Sample Description	PQL	Method Blank	W6	W7	W8	W9	W10
Date Sampled		N/A	1/21/2021	1/21/2021	1/21/2021	1/21/2021	1/21/2021
Date Analyzed		1/28/2021	1/28/2021	1/28/2021	1/28/2021	1/28/2021	1/28/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	nd	nd	nd	nd	nd
Aroclor 1221	0.02	nd	nd	nd	nd	nd	nd
Aroclor 1232	0.02	nd	nd	nd	nd	nd	nd
Aroclor 1242	0.02	nd	nd	nd	nd	nd	nd
Aroclor 1248	0.02	nd	nd	nd	nd	nd	nd
Aroclor 1254	0.02	nd	nd	nd	nd	nd	nd
Aroclor 1260	0.02	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
TCMX		98	86	99	121	103	115
DCBP		93	90	80	120	85	78

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Analyses of PCB (Polychlorinated Biphenyls) in Water by EPA Method 8082

Sample Description	PQL	LCS	LCSD
Date Sampled		N/A	N/A
Date Analyzed		1/28/2021	1/28/2021
	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	103%	119%
Aroclor 1221	0.02		
Aroclor 1232	0.02		
Aroclor 1242	0.02		
Aroclor 1248	0.02		
Aroclor 1254	0.02		
Aroclor 1260	0.02	105%	106%
Surrogate Recovery			
TCMX		106	115
DCBP		82	77

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Analyses of Total Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Arsenic (mg/kg)
Method Blank	1/26/2021	nd	nd	nd	nd
B1-0.5	1/26/2021	12	nd	10	nd
B1-0.5 Dup	1/26/2021	17	nd	13	nd
B1-5	1/26/2021	nd	nd	8.6	nd
B2-0.5	1/26/2021	290	nd	13	44
B2-5	1/26/2021	nd	nd	5.0	nd
B3-0.5	1/26/2021	110	1.1	12	12
B3-5	1/26/2021	nd	nd	nd	nd
B4-0.5	1/26/2021	290	1.2	8.9	27
B4-5	1/26/2021	nd	nd	nd	nd
B5-0.5	1/26/2021	36	nd	15	nd
B5-5	1/26/2021	nd	nd	11	5.2
B6-0.5	1/26/2021	7.4	nd	14	nd
B6-15	1/26/2021	nd	nd	nd	nd
B7-0.5	1/26/2021	330	2.4	7.1	nd
B7-15	1/26/2021	nd	nd	nd	nd
B8-0.5	1/26/2021	98	1.1	15	5.3
B8-15	1/26/2021	14	nd	9.8	nd
B9-0.5	1/26/2021	78	0.76	12	11
B9-15	1/26/2021	nd	nd	nd	nd
B10-0.5	1/26/2021	18	nd	9.6	5.1
B10-15	1/26/2021	nd	nd	nd	nd
Practical Quantitation Limit		5.0	1.0	5.0	5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Kodey Eley

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Kent, Washington
Libby Project # L210122-1

QA/QC for Total Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (% Recovery)	Cadmium (% Recovery)	Chromium (% Recovery)	Arsenic (% Recovery)
LCS	1/26/2021	106%	113%	112%	120%
B1-0.5 MS	1/26/2021	94%	82%	108%	100%
B1-0.5 MSD	1/26/2021	107%	83%	110%	99%
RPD	1/26/2021	13%	2%	2%	2%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Kodey Eley

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Kent, Washington
Libby Project # L210122-1

Analyses of Total Mercury in Soil by EPA Method 7471

Sample Number	Date Analyzed	Mercury (mg/kg)
Method Blank	1/26/2021	nd
B1-0.5	1/26/2021	nd
B1-0.5 Dup	1/26/2021	nd
B1-5	1/26/2021	nd
B2-0.5	1/26/2021	nd
B2-5	1/26/2021	nd
B3-0.5	1/26/2021	nd
B3-5	1/26/2021	nd
B4-0.5	1/26/2021	nd
B4-5	1/26/2021	nd
B5-0.5	1/26/2021	nd
B5-5	1/26/2021	nd
B6-0.5	1/26/2021	nd
B6-15	1/26/2021	nd
B7-0.5	1/26/2021	nd
B7-15	1/26/2021	nd
B8-0.5	1/26/2021	nd
B8-15	1/26/2021	nd
B9-0.5	1/26/2021	nd
B9-15	1/26/2021	nd
B10-0.5	1/26/2021	nd
B10-15	1/26/2021	nd
Practical Quantitation Limit		0.5

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Kent, Washington
Libby Project # L210122-1

QA/QC for Total Mercury by EPA Method 7471

Sample Number	Date Analyzed	Mercury (% Recovery)
LCS	1/26/2021	117%
B1-0.5 MS	1/26/2021	106%
B1-0.5 MSD	1/26/2021	119%
RPD	1/26/2021	12%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Libby Project # L210122-1

Analyses of Total Metals in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Arsenic (µg/L)
Method Blank	1/27/2021	nd	nd	nd	nd
W6	1/27/2021	17	3.7	19	5.4
W7	1/27/2021	300	8.2	74	8.4
W8	1/27/2021	36	3.8	16	6.3
W9	1/27/2021	13	nd	8.2	nd
W10	1/27/2021	50	12	85	8.8
W10 Dup	1/27/2021	48	13	81	7.3
Practical Quantitation Limit		5.0	0.5	5.0	3.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Kodey Eley

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SPECIAL INTEREST AUTO WRECKING PROJECT
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Kent, Washington
Libby Project # L210122-1

QA/QC for Total Metals in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (% Recovery)	Cadmium (% Recovery)	Chromium (% Recovery)	Arsenic (% Recovery)
LCS	1/27/2021	102%	93%	103%	95%
W10 MS	1/27/2021	112%	93%	103%	119%
W10 MSD	1/27/2021	103%	91%	105%	115%
RPD	1/27/2021	8%	2%	2%	3%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Kodey Eley

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SPECIAL INTEREST AUTO WRECKING PROJECT
Envitechnology, Inc.
Libby Project # L210122-1
Date Received 1/21/21 17:45

Received By JA

Sample Receipt Checklist

Chain of Custody

1. Is the Chain of Custody complete?	☑ Yes	☐ No	
2. How was the sample delivered?	☑ Hand Delivered	☐ Picked Up	☐ Shipped

Log In

3. Cooler or Shipping Container is present.	☑ Yes	☐ No	☐ N/A
4. Cooler or Shipping Container is in good condition.	☑ Yes	☐ No	☐ N/A
5. Cooler or Shipping Container has Custody Seals present.	☐ Yes	☑ No	☐ N/A
6. Was an attempt made to cool the samples?	☐ Yes	☑ No	☐ N/A
7. Temperature of cooler (0°C to 8°C recommended)	18.7 °C		
8. Temperature of sample(s) (0°C to 8°C recommended)	16.4 °C		
9. Did all containers arrive in good condition (unbroken)?	☑ Yes	☐ No	
10. Is it clear what analyses were requested?	☑ Yes	☐ No	
11. Did container labels match Chain of Custody?	☑ Yes	☐ No	
12. Are matrices correctly identified on Chain of Custody?	☑ Yes	☐ No	
13. Are correct containers used for the analysis indicated?	☑ Yes	☐ No	
14. Is there sufficient sample volume for indicated analysis?	☑ Yes	☐ No	
15. Were all containers properly preserved per each analysis?	☑ Yes	☐ No	
16. Were VOA vials collected correctly (no headspace)?	☐ Yes	☑ No	☐ N/A
17. Were all holding times able to be met?	☑ Yes	☐ No	

Discrepancies/ Notes

18. Was client notified of all discrepancies?	☐ Yes	☐ No	☑ N/A

Person Notified: _____ Date: _____

By Whom: _____ Via: _____

Regarding: _____

19. Comments. Cooler received with no ice. Soil VOAs prepreserved.

Water VOAs; W6 (0,8,10 cm), W9 (1,8,8 cm), and W10 (15,10,12 cm) bubbles.

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Libby Environmental
Kodey Eley
3322 South Bay Road NE
Olympia, WA 98506

RE: Special Interest Auto Wrecking
Work Order Number: 2101374

February 01, 2021

Attention Kodey Eley:

Fremont Analytical, Inc. received 25 sample(s) on 1/25/2021 for the analyses presented in the following report.

Mercury by EPA Method 245.1
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *02/01/2021*

CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking
Work Order: 2101374

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2101374-001	B1-0.5	01/21/2021 9:30 AM	01/25/2021 7:37 AM
2101374-002	B1-5	01/21/2021 9:35 AM	01/25/2021 7:37 AM
2101374-003	B2-0.5	01/21/2021 9:50 AM	01/25/2021 7:37 AM
2101374-004	B2-5	01/21/2021 9:55 AM	01/25/2021 7:37 AM
2101374-005	B3-0.5	01/21/2021 10:10 AM	01/25/2021 7:37 AM
2101374-006	B3-5	01/21/2021 10:15 AM	01/25/2021 7:37 AM
2101374-007	B4-0.5	01/21/2021 10:25 AM	01/25/2021 7:37 AM
2101374-008	B4-5	01/21/2021 10:30 AM	01/25/2021 7:37 AM
2101374-009	B5-0.5	01/21/2021 10:45 AM	01/25/2021 7:37 AM
2101374-010	B5-5	01/21/2021 10:50 AM	01/25/2021 7:37 AM
2101374-011	B6-0.5	01/21/2021 11:20 AM	01/25/2021 7:37 AM
2101374-012	B6-15	01/21/2021 11:25 AM	01/25/2021 7:37 AM
2101374-013	B7-0.5	01/21/2021 12:20 PM	01/25/2021 7:37 AM
2101374-014	B7-15	01/21/2021 12:25 PM	01/25/2021 7:37 AM
2101374-015	B8-0.5	01/21/2021 1:00 PM	01/25/2021 7:37 AM
2101374-016	B8-15	01/21/2021 1:05 PM	01/25/2021 7:37 AM
2101374-017	B9-0.5	01/21/2021 1:40 PM	01/25/2021 7:37 AM
2101374-018	B9-15	01/21/2021 1:45 PM	01/25/2021 7:37 AM
2101374-019	B10-0.5	01/21/2021 2:20 PM	01/25/2021 7:37 AM
2101374-020	B10-15	01/21/2021 2:30 PM	01/25/2021 7:37 AM
2101374-021	W6	01/21/2021 11:30 AM	01/25/2021 7:37 AM
2101374-022	W7	01/21/2021 12:30 PM	01/25/2021 7:37 AM
2101374-023	W8	01/21/2021 1:10 PM	01/25/2021 7:37 AM
2101374-024	W9	01/21/2021 1:50 PM	01/25/2021 7:37 AM
2101374-025	W10	01/21/2021 2:30 PM	01/25/2021 7:37 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2101374**
Date: **2/1/2021**

CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 9:30:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-001
Matrix: Soil
Client Sample ID: **B1-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
2-Methylnaphthalene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
1-Methylnaphthalene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Acenaphthylene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Acenaphthene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Fluorene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Phenanthrene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Anthracene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Fluoranthene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Pyrene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Benz(a)anthracene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Chrysene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Benzo(b)fluoranthene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Benzo(k)fluoranthene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Benzo(a)pyrene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Indeno(1,2,3-cd)pyrene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Dibenz(a,h)anthracene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Benzo(g,h,i)perylene	ND	37.8		µg/Kg-dry	1	1/26/2021 7:24:05 PM
Surr: 2-Fluorobiphenyl	90.5	11.4 - 125		%Rec	1	1/26/2021 7:24:05 PM
Surr: Terphenyl-d14 (surr)	100	29.5 - 155		%Rec	1	1/26/2021 7:24:05 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	6.16	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 9:35:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-002
Matrix: Soil
Client Sample ID: **B1-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
2-Methylnaphthalene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
1-Methylnaphthalene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Acenaphthylene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Acenaphthene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Fluorene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Phenanthrene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Anthracene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Fluoranthene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Pyrene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Benz(a)anthracene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Chrysene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Benzo(b)fluoranthene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Benzo(k)fluoranthene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Benzo(a)pyrene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Indeno(1,2,3-cd)pyrene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Dibenz(a,h)anthracene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Benzo(g,h,i)perylene	ND	44.4		µg/Kg-dry	1	1/26/2021 7:45:06 PM
Surr: 2-Fluorobiphenyl	59.1	11.4 - 125		%Rec	1	1/26/2021 7:45:06 PM
Surr: Terphenyl-d14 (surr)	59.5	29.5 - 155		%Rec	1	1/26/2021 7:45:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	21.2	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 9:50:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-003
Matrix: Soil
Client Sample ID: **B2-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
2-Methylnaphthalene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
1-Methylnaphthalene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Acenaphthylene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Acenaphthene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Fluorene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Phenanthrene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Anthracene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Fluoranthene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Pyrene	57.0	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Benz(a)anthracene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Chrysene	242	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Benzo(b)fluoranthene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Benzo(k)fluoranthene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Benzo(a)pyrene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Indeno(1,2,3-cd)pyrene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Dibenz(a,h)anthracene	ND	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Benzo(g,h,i)perylene	56.4	40.3		µg/Kg-dry	1	1/26/2021 8:06:06 PM
Surr: 2-Fluorobiphenyl	114	11.4 - 125		%Rec	1	1/26/2021 8:06:06 PM
Surr: Terphenyl-d14 (surr)	105	29.5 - 155		%Rec	1	1/26/2021 8:06:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	9.02	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 9:55:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-004
Matrix: Soil
Client Sample ID: **B2-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
2-Methylnaphthalene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
1-Methylnaphthalene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Acenaphthylene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Acenaphthene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Fluorene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Phenanthrene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Anthracene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Fluoranthene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Pyrene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Benz(a)anthracene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Chrysene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Benzo(b)fluoranthene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Benzo(k)fluoranthene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Benzo(a)pyrene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Indeno(1,2,3-cd)pyrene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Dibenz(a,h)anthracene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Benzo(g,h,i)perylene	ND	44.2		µg/Kg-dry	1	1/26/2021 8:27:19 PM
Surr: 2-Fluorobiphenyl	73.8	11.4 - 125		%Rec	1	1/26/2021 8:27:19 PM
Surr: Terphenyl-d14 (surr)	81.0	29.5 - 155		%Rec	1	1/26/2021 8:27:19 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	20.3	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 10:10:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-005
Matrix: Soil
Client Sample ID: **B3-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
2-Methylnaphthalene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
1-Methylnaphthalene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Acenaphthylene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Acenaphthene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Fluorene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Phenanthrene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Anthracene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Fluoranthene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Pyrene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Benz(a)anthracene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Chrysene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Benzo(b)fluoranthene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Benzo(k)fluoranthene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Benzo(a)pyrene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Indeno(1,2,3-cd)pyrene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Dibenz(a,h)anthracene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Benzo(g,h,i)perylene	ND	41.5		µg/Kg-dry	1	1/26/2021 8:48:20 PM
Surr: 2-Fluorobiphenyl	66.9	11.4 - 125		%Rec	1	1/26/2021 8:48:20 PM
Surr: Terphenyl-d14 (surr)	76.2	29.5 - 155		%Rec	1	1/26/2021 8:48:20 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	16.9	0.500		wt%	1	1/28/2021 4:03:40 PM

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 10:15:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-006
Matrix: Soil
Client Sample ID: **B3-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
2-Methylnaphthalene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
1-Methylnaphthalene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Acenaphthylene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Acenaphthene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Fluorene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Phenanthrene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Anthracene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Fluoranthene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Pyrene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Benz(a)anthracene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Chrysene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Benzo(b)fluoranthene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Benzo(k)fluoranthene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Benzo(a)pyrene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Indeno(1,2,3-cd)pyrene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Dibenz(a,h)anthracene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Benzo(g,h,i)perylene	ND	42.0		µg/Kg-dry	1	1/26/2021 9:09:22 PM
Surr: 2-Fluorobiphenyl	77.6	11.4 - 125		%Rec	1	1/26/2021 9:09:22 PM
Surr: Terphenyl-d14 (surr)	74.4	29.5 - 155		%Rec	1	1/26/2021 9:09:22 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	13.4	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 10:25:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-007
Matrix: Soil
Client Sample ID: **B4-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	1,010	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
2-Methylnaphthalene	4,400	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
1-Methylnaphthalene	2,140	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Acenaphthylene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Acenaphthene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Fluorene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Phenanthrene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Anthracene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Fluoranthene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Pyrene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Benz(a)anthracene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Chrysene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Benzo(b)fluoranthene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Benzo(k)fluoranthene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Benzo(a)pyrene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Indeno(1,2,3-cd)pyrene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Dibenz(a,h)anthracene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Benzo(g,h,i)perylene	ND	43.6		µg/Kg-dry	1	1/26/2021 9:30:30 PM
Surr: 2-Fluorobiphenyl	88.0	11.4 - 125		%Rec	1	1/26/2021 9:30:30 PM
Surr: Terphenyl-d14 (surr)	92.7	29.5 - 155		%Rec	1	1/26/2021 9:30:30 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	19.6	0.500		wt%	1	1/28/2021 4:03:40 PM

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-008
Client Sample ID: **B4-5**

Collection Date: 1/21/2021 10:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
2-Methylnaphthalene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
1-Methylnaphthalene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Acenaphthylene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Acenaphthene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Fluorene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Phenanthrene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Anthracene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Fluoranthene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Pyrene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Benz(a)anthracene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Chrysene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Benzo(b)fluoranthene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Benzo(k)fluoranthene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Benzo(a)pyrene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Indeno(1,2,3-cd)pyrene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Dibenz(a,h)anthracene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Benzo(g,h,i)perylene	ND	38.6		µg/Kg-dry	1	1/26/2021 10:33:40 PM
Surr: 2-Fluorobiphenyl	95.1	11.4 - 125		%Rec	1	1/26/2021 10:33:40 PM
Surr: Terphenyl-d14 (surr)	104	29.5 - 155		%Rec	1	1/26/2021 10:33:40 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	7.79	0.500		wt%	1	1/28/2021 4:03:40 PM

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-009
Client Sample ID: **B5-0.5**

Collection Date: 1/21/2021 10:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
2-Methylnaphthalene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
1-Methylnaphthalene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Acenaphthylene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Acenaphthene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Fluorene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Phenanthrene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Anthracene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Fluoranthene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Pyrene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Benz(a)anthracene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Chrysene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Benzo(b)fluoranthene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Benzo(k)fluoranthene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Benzo(a)pyrene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Indeno(1,2,3-cd)pyrene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Dibenz(a,h)anthracene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Benzo(g,h,i)perylene	ND	42.6		µg/Kg-dry	1	1/26/2021 10:54:41 PM
Surr: 2-Fluorobiphenyl	98.3	11.4 - 125		%Rec	1	1/26/2021 10:54:41 PM
Surr: Terphenyl-d14 (surr)	120	29.5 - 155		%Rec	1	1/26/2021 10:54:41 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	6.47	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 10:50:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-010
Matrix: Soil
Client Sample ID: **B5-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
2-Methylnaphthalene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
1-Methylnaphthalene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Acenaphthylene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Acenaphthene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Fluorene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Phenanthrene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Anthracene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Fluoranthene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Pyrene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Benz(a)anthracene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Chrysene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Benzo(b)fluoranthene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Benzo(k)fluoranthene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Benzo(a)pyrene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Indeno(1,2,3-cd)pyrene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Dibenz(a,h)anthracene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Benzo(g,h,i)perylene	ND	47.6		µg/Kg-dry	1	1/26/2021 11:15:39 PM
Surr: 2-Fluorobiphenyl	74.2	11.4 - 125		%Rec	1	1/26/2021 11:15:39 PM
Surr: Terphenyl-d14 (surr)	74.1	29.5 - 155		%Rec	1	1/26/2021 11:15:39 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	27.3	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 11:20:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-011
Matrix: Soil
Client Sample ID: **B6-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
2-Methylnaphthalene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
1-Methylnaphthalene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Acenaphthylene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Acenaphthene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Fluorene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Phenanthrene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Anthracene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Fluoranthene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Pyrene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Benz(a)anthracene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Chrysene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Benzo(b)fluoranthene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Benzo(k)fluoranthene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Benzo(a)pyrene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Indeno(1,2,3-cd)pyrene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Dibenz(a,h)anthracene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Benzo(g,h,i)perylene	ND	42.5		µg/Kg-dry	1	1/26/2021 11:36:45 PM
Surr: 2-Fluorobiphenyl	96.1	11.4 - 125		%Rec	1	1/26/2021 11:36:45 PM
Surr: Terphenyl-d14 (surr)	93.6	29.5 - 155		%Rec	1	1/26/2021 11:36:45 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	13.1	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 11:25:00 AM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-012
Matrix: Soil
Client Sample ID: **B6-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
2-Methylnaphthalene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
1-Methylnaphthalene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Acenaphthylene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Acenaphthene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Fluorene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Phenanthrene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Anthracene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Fluoranthene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Pyrene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Benz(a)anthracene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Chrysene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Benzo(b)fluoranthene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Benzo(k)fluoranthene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Benzo(a)pyrene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Indeno(1,2,3-cd)pyrene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Dibenz(a,h)anthracene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Benzo(g,h,i)perylene	ND	44.9		µg/Kg-dry	1	1/26/2021 11:57:42 PM
Surr: 2-Fluorobiphenyl	80.2	11.4 - 125		%Rec	1	1/26/2021 11:57:42 PM
Surr: Terphenyl-d14 (surr)	94.1	29.5 - 155		%Rec	1	1/26/2021 11:57:42 PM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	19.4	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 12:20:00 PM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-013
Matrix: Soil
Client Sample ID: **B7-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
2-Methylnaphthalene	47.8	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
1-Methylnaphthalene	38.8	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Acenaphthylene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Acenaphthene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Fluorene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Phenanthrene	48.1	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Anthracene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Fluoranthene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Pyrene	170	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Benz(a)anthracene	118	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Chrysene	363	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Benzo(b)fluoranthene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Benzo(k)fluoranthene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Benzo(a)pyrene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Indeno(1,2,3-cd)pyrene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Dibenz(a,h)anthracene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Benzo(g,h,i)perylene	ND	38.7		µg/Kg-dry	1	1/27/2021 12:18:42 AM
Surr: 2-Fluorobiphenyl	94.7	11.4 - 125		%Rec	1	1/27/2021 12:18:42 AM
Surr: Terphenyl-d14 (surr)	88.0	29.5 - 155		%Rec	1	1/27/2021 12:18:42 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	11.3	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 12:25:00 PM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-014
Matrix: Soil
Client Sample ID: **B7-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
2-Methylnaphthalene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
1-Methylnaphthalene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Acenaphthylene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Acenaphthene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Fluorene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Phenanthrene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Anthracene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Fluoranthene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Pyrene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Benz(a)anthracene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Chrysene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Benzo(b)fluoranthene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Benzo(k)fluoranthene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Benzo(a)pyrene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Indeno(1,2,3-cd)pyrene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Dibenz(a,h)anthracene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Benzo(g,h,i)perylene	ND	44.4		µg/Kg-dry	1	1/27/2021 12:39:48 AM
Surr: 2-Fluorobiphenyl	78.1	11.4 - 125		%Rec	1	1/27/2021 12:39:48 AM
Surr: Terphenyl-d14 (surr)	104	29.5 - 155		%Rec	1	1/27/2021 12:39:48 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	18.1	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-015
Client Sample ID: **B8-0.5**

Collection Date: 1/21/2021 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
2-Methylnaphthalene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
1-Methylnaphthalene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Acenaphthylene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Acenaphthene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Fluorene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Phenanthrene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Anthracene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Fluoranthene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Pyrene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Benz(a)anthracene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Chrysene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Benzo(b)fluoranthene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Benzo(k)fluoranthene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Benzo(a)pyrene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Indeno(1,2,3-cd)pyrene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Dibenz(a,h)anthracene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Benzo(g,h,i)perylene	ND	41.2		µg/Kg-dry	1	1/27/2021 1:00:48 AM
Surr: 2-Fluorobiphenyl	81.9	11.4 - 125		%Rec	1	1/27/2021 1:00:48 AM
Surr: Terphenyl-d14 (surr)	89.1	29.5 - 155		%Rec	1	1/27/2021 1:00:48 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	9.00	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 1:05:00 PM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-016
Matrix: Soil
Client Sample ID: **B8-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
2-Methylnaphthalene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
1-Methylnaphthalene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Acenaphthylene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Acenaphthene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Fluorene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Phenanthrene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Anthracene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Fluoranthene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Pyrene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Benz(a)anthracene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Chrysene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Benzo(b)fluoranthene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Benzo(k)fluoranthene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Benzo(a)pyrene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Indeno(1,2,3-cd)pyrene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Dibenz(a,h)anthracene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Benzo(g,h,i)perylene	ND	45.8		µg/Kg-dry	1	1/27/2021 1:21:47 AM
Surr: 2-Fluorobiphenyl	82.6	11.4 - 125		%Rec	1	1/27/2021 1:21:47 AM
Surr: Terphenyl-d14 (surr)	102	29.5 - 155		%Rec	1	1/27/2021 1:21:47 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	23.1	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 1:40:00 PM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-017
Matrix: Soil
Client Sample ID: **B9-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
2-Methylnaphthalene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
1-Methylnaphthalene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Acenaphthylene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Acenaphthene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Fluorene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Phenanthrene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Anthracene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Fluoranthene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Pyrene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Benz(a)anthracene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Chrysene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Benzo(b)fluoranthene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Benzo(k)fluoranthene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Benzo(a)pyrene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Indeno(1,2,3-cd)pyrene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Dibenz(a,h)anthracene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Benzo(g,h,i)perylene	ND	38.6		µg/Kg-dry	1	1/27/2021 1:42:51 AM
Surr: 2-Fluorobiphenyl	92.9	11.4 - 125		%Rec	1	1/27/2021 1:42:51 AM
Surr: Terphenyl-d14 (surr)	91.0	29.5 - 155		%Rec	1	1/27/2021 1:42:51 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	13.5	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 1:45:00 PM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-018
Matrix: Soil
Client Sample ID: **B9-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
2-Methylnaphthalene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
1-Methylnaphthalene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Acenaphthylene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Acenaphthene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Fluorene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Phenanthrene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Anthracene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Fluoranthene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Pyrene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Benz(a)anthracene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Chrysene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Benzo(b)fluoranthene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Benzo(k)fluoranthene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Benzo(a)pyrene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Indeno(1,2,3-cd)pyrene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Dibenz(a,h)anthracene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Benzo(g,h,i)perylene	ND	47.3		µg/Kg-dry	1	1/27/2021 2:03:51 AM
Surr: 2-Fluorobiphenyl	83.6	11.4 - 125		%Rec	1	1/27/2021 2:03:51 AM
Surr: Terphenyl-d14 (surr)	86.6	29.5 - 155		%Rec	1	1/27/2021 2:03:51 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	20.5	0.500		wt%	1	1/28/2021 4:03:40 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Collection Date: 1/21/2021 2:20:00 PM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-019
Matrix: Soil
Client Sample ID: **B10-0.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
2-Methylnaphthalene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
1-Methylnaphthalene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Acenaphthylene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Acenaphthene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Fluorene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Phenanthrene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Anthracene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Fluoranthene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Pyrene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Benz(a)anthracene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Chrysene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Benzo(b)fluoranthene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Benzo(k)fluoranthene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Benzo(a)pyrene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Indeno(1,2,3-cd)pyrene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Dibenz(a,h)anthracene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Benzo(g,h,i)perylene	ND	42.0		µg/Kg-dry	1	1/27/2021 2:24:49 AM
Surr: 2-Fluorobiphenyl	93.7	11.4 - 125		%Rec	1	1/27/2021 2:24:49 AM
Surr: Terphenyl-d14 (surr)	102	29.5 - 155		%Rec	1	1/27/2021 2:24:49 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	14.0	0.500		wt%	1	1/28/2021 4:03:40 PM

Client: Libby Environmental
Collection Date: 1/21/2021 2:30:00 PM
Project: Special Interest Auto Wrecking
Lab ID: 2101374-020
Matrix: Soil
Client Sample ID: **B10-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31160		Analyst: SB
Naphthalene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
2-Methylnaphthalene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
1-Methylnaphthalene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Acenaphthylene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Acenaphthene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Fluorene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Phenanthrene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Anthracene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Fluoranthene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Pyrene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Benz(a)anthracene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Chrysene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Benzo(b)fluoranthene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Benzo(k)fluoranthene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Benzo(a)pyrene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Indeno(1,2,3-cd)pyrene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Dibenz(a,h)anthracene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Benzo(g,h,i)perylene	ND	49.1		µg/Kg-dry	1	1/27/2021 2:45:52 AM
Surr: 2-Fluorobiphenyl	98.5	11.4 - 125		%Rec	1	1/27/2021 2:45:52 AM
Surr: Terphenyl-d14 (surr)	103	29.5 - 155		%Rec	1	1/27/2021 2:45:52 AM
Sample Moisture (Percent Moisture)				Batch ID: R64966		Analyst: RL
Percent Moisture	23.6	0.500		wt%	1	1/28/2021 4:03:40 PM

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-021
Client Sample ID: **W6**

Collection Date: 1/21/2021 11:30:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31138		Analyst: SB
Naphthalene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
2-Methylnaphthalene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
1-Methylnaphthalene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Acenaphthylene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Acenaphthene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Fluorene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Phenanthrene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Anthracene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Fluoranthene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Pyrene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Benz(a)anthracene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Chrysene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Benzo(b)fluoranthene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Benzo(k)fluoranthene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Benzo(a)pyrene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Indeno(1,2,3-cd)pyrene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Dibenz(a,h)anthracene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Benzo(g,h,i)perylene	ND	0.0993		µg/L	1	1/26/2021 4:13:56 PM
Surr: 2-Fluorobiphenyl	96.5	48 - 137		%Rec	1	1/26/2021 4:13:56 PM
Surr: Terphenyl-d14	48.9	22.7 - 132		%Rec	1	1/26/2021 4:13:56 PM
Mercury by EPA Method 245.1				Batch ID: 31180		Analyst: WF
Mercury	ND	0.100		µg/L	1	1/27/2021 3:12:31 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-022
Client Sample ID: **W7**

Collection Date: 1/21/2021 12:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31138		Analyst: SB
Naphthalene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
2-Methylnaphthalene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
1-Methylnaphthalene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Acenaphthylene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Acenaphthene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Fluorene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Phenanthrene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Anthracene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Fluoranthene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Pyrene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Benz(a)anthracene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Chrysene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Benzo(b)fluoranthene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Benzo(k)fluoranthene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Benzo(a)pyrene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Indeno(1,2,3-cd)pyrene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Dibenz(a,h)anthracene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Benzo(g,h,i)perylene	ND	0.0993		µg/L	1	1/26/2021 4:35:02 PM
Surr: 2-Fluorobiphenyl	76.5	48 - 137		%Rec	1	1/26/2021 4:35:02 PM
Surr: Terphenyl-d14	48.4	22.7 - 132		%Rec	1	1/26/2021 4:35:02 PM
Mercury by EPA Method 245.1				Batch ID: 31180		Analyst: WF
Mercury	ND	0.100		µg/L	1	1/27/2021 3:14:13 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-023
Client Sample ID: **W8**

Collection Date: 1/21/2021 1:10:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31138		Analyst: SB
Naphthalene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
2-Methylnaphthalene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
1-Methylnaphthalene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Acenaphthylene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Acenaphthene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Fluorene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Phenanthrene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Anthracene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Fluoranthene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Pyrene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Benz(a)anthracene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Chrysene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Benzo(b)fluoranthene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Benzo(k)fluoranthene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Benzo(a)pyrene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Indeno(1,2,3-cd)pyrene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Dibenz(a,h)anthracene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Benzo(g,h,i)perylene	ND	0.0995		µg/L	1	1/26/2021 4:56:10 PM
Surr: 2-Fluorobiphenyl	98.1	48 - 137		%Rec	1	1/26/2021 4:56:10 PM
Surr: Terphenyl-d14	54.4	22.7 - 132		%Rec	1	1/26/2021 4:56:10 PM
Mercury by EPA Method 245.1				Batch ID: 31180		Analyst: WF
Mercury	ND	0.100		µg/L	1	1/27/2021 3:15:55 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-024
Client Sample ID: **W9**

Collection Date: 1/21/2021 1:50:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31138		Analyst: SB
Naphthalene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
2-Methylnaphthalene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
1-Methylnaphthalene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Acenaphthylene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Acenaphthene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Fluorene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Phenanthrene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Anthracene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Fluoranthene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Pyrene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Benz(a)anthracene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Chrysene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Benzo(b)fluoranthene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Benzo(k)fluoranthene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Benzo(a)pyrene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Indeno(1,2,3-cd)pyrene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Dibenz(a,h)anthracene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Benzo(g,h,i)perylene	ND	0.0983		µg/L	1	1/26/2021 5:17:23 PM
Surr: 2-Fluorobiphenyl	94.4	48 - 137		%Rec	1	1/26/2021 5:17:23 PM
Surr: Terphenyl-d14	51.9	22.7 - 132		%Rec	1	1/26/2021 5:17:23 PM
Mercury by EPA Method 245.1				Batch ID: 31180		Analyst: WF
Mercury	ND	0.100		µg/L	1	1/27/2021 3:22:54 PM

Original

Analytical Report

Work Order: **2101374**
Date Reported: **2/1/2021**

Client: Libby Environmental
Project: Special Interest Auto Wrecking
Lab ID: 2101374-025
Client Sample ID: **W10**

Collection Date: 1/21/2021 2:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 31138		Analyst: SB
Naphthalene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
2-Methylnaphthalene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
1-Methylnaphthalene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Acenaphthylene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Acenaphthene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Fluorene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Phenanthrene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Anthracene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Fluoranthene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Pyrene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Benz(a)anthracene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Chrysene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Benzo(b)fluoranthene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Benzo(k)fluoranthene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Benzo(a)pyrene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Indeno(1,2,3-cd)pyrene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Dibenz(a,h)anthracene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Benzo(g,h,i)perylene	ND	0.0995		µg/L	1	1/26/2021 5:38:33 PM
Surr: 2-Fluorobiphenyl	88.8	48 - 137		%Rec	1	1/26/2021 5:38:33 PM
Surr: Terphenyl-d14	47.8	22.7 - 132		%Rec	1	1/26/2021 5:38:33 PM
Mercury by EPA Method 245.1				Batch ID: 31180		Analyst: WF
Mercury	ND	0.100		µg/L	1	1/27/2021 3:24:36 PM

Original

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: **MB-31180** SampType: **MBLK** Units: **µg/L** Prep Date: **1/27/2021** RunNo: **64940**
Client ID: **MBLKW** Batch ID: **31180** Analysis Date: **1/27/2021** SeqNo: **1306371**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: **LCS-31180** SampType: **LCS** Units: **µg/L** Prep Date: **1/27/2021** RunNo: **64940**
Client ID: **LCSW** Batch ID: **31180** Analysis Date: **1/27/2021** SeqNo: **1306372**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.64	0.100	2.500	0	106	85	115				

Sample ID: **2101367-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **1/27/2021** RunNo: **64940**
Client ID: **BATCH** Batch ID: **31180** Analysis Date: **1/27/2021** SeqNo: **1306374**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **2101367-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **1/27/2021** RunNo: **64940**
Client ID: **BATCH** Batch ID: **31180** Analysis Date: **1/27/2021** SeqNo: **1306375**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.55	0.100	2.500	0.008000	102	70	130				

Sample ID: **2101367-001AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **1/27/2021** RunNo: **64940**
Client ID: **BATCH** Batch ID: **31180** Analysis Date: **1/27/2021** SeqNo: **1306376**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.59	0.100	2.500	0.008000	103	70	130	2.550	1.56	20	

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-31160** SampType: **MBLK** Units: **µg/Kg** Prep Date: **1/26/2021** RunNo: **64943**
Client ID: **MBLKS** Batch ID: **31160** Analysis Date: **1/26/2021** SeqNo: **1306298**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	40.0									
2-Methylnaphthalene	ND	40.0									
1-Methylnaphthalene	ND	40.0									
Acenaphthylene	ND	40.0									
Acenaphthene	ND	40.0									
Fluorene	ND	40.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
Benz(a)anthracene	ND	40.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	40.0									
Benzo(k)fluoranthene	ND	40.0									
Benzo(a)pyrene	ND	40.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	40.0									
Surr: 2-Fluorobiphenyl	328		500.0		65.5	11.4	125				
Surr: Terphenyl-d14 (surr)	490		500.0		97.9	29.5	155				

Sample ID: **LCS-31160** SampType: **LCS** Units: **µg/Kg** Prep Date: **1/26/2021** RunNo: **64943**
Client ID: **LCSS** Batch ID: **31160** Analysis Date: **1/26/2021** SeqNo: **1306299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	953	40.0	1,000	0	95.3	52.1	121				
2-Methylnaphthalene	1,090	40.0	1,000	0	109	56.3	118				
1-Methylnaphthalene	1,090	40.0	1,000	0	109	57.9	120				
Acenaphthylene	1,080	40.0	1,000	0	108	53.8	127				
Acenaphthene	920	40.0	1,000	0	92.0	53.7	126				

Original

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-31160** SampType: **LCS** Units: **µg/Kg** Prep Date: **1/26/2021** RunNo: **64943**
Client ID: **LCSS** Batch ID: **31160** Analysis Date: **1/26/2021** SeqNo: **1306299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	924	40.0	1,000	0	92.4	56.3	123				
Phenanthrene	1,020	40.0	1,000	0	102	49.8	122				
Anthracene	970	40.0	1,000	0	97.0	50.8	127				
Fluoranthene	958	40.0	1,000	0	95.8	57.5	125				
Pyrene	955	40.0	1,000	0	95.5	58	128				
Benz(a)anthracene	850	40.0	1,000	0	85.0	58.7	128				
Chrysene	1,040	40.0	1,000	0	104	50.5	136				
Benzo(b)fluoranthene	1,120	40.0	1,000	0	112	49.8	126				
Benzo(k)fluoranthene	1,080	40.0	1,000	0	108	51.3	131				
Benzo(a)pyrene	1,180	40.0	1,000	0	118	52.9	124				
Indeno(1,2,3-cd)pyrene	1,050	40.0	1,000	0	105	49.6	119				
Dibenz(a,h)anthracene	1,080	40.0	1,000	0	108	48.1	123				
Benzo(g,h,i)perylene	1,080	40.0	1,000	0	108	49	122				
Surr: 2-Fluorobiphenyl	478		500.0		95.6	11.4	125				
Surr: Terphenyl-d14 (surr)	503		500.0		101	29.5	155				

Sample ID: **2101374-007AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **1/26/2021** RunNo: **64943**
Client ID: **B4-0.5** Batch ID: **31160** Analysis Date: **1/26/2021** SeqNo: **1306307**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,350	44.9	1,122	1,013	29.9	35	115				S
2-Methylnaphthalene	3,540	44.9	1,122	4,398	-76.7	37.2	115				S
1-Methylnaphthalene	1,880	44.9	1,122	2,136	-23.2	40.8	114				S
Acenaphthylene	847	44.9	1,122	0	75.5	42.8	117				
Acenaphthene	737	44.9	1,122	0	65.7	40.2	119				
Fluorene	745	44.9	1,122	0	66.4	40.9	118				
Phenanthrene	767	44.9	1,122	32.93	65.5	31.9	119				
Anthracene	762	44.9	1,122	0	67.9	34.5	124				
Fluoranthene	756	44.9	1,122	14.04	66.2	38	125				
Pyrene	743	44.9	1,122	12.22	65.2	35.3	129				

Original

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2101374-007AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **1/26/2021** RunNo: **64943**
Client ID: **B4-0.5** Batch ID: **31160** Analysis Date: **1/26/2021** SeqNo: **1306307**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	794	44.9	1,122	11.13	69.8	45.7	122				
Chrysene	801	44.9	1,122	6.162	70.8	34.9	124				
Benzo(b)fluoranthene	754	44.9	1,122	9.883	66.3	36.5	120				
Benzo(k)fluoranthene	763	44.9	1,122	0	68.0	30.4	123				
Benzo(a)pyrene	898	44.9	1,122	0	80.0	38.9	118				
Indeno(1,2,3-cd)pyrene	735	44.9	1,122	0	65.5	27.2	117				
Dibenz(a,h)anthracene	726	44.9	1,122	0	64.7	27.4	118				
Benzo(g,h,i)perylene	706	44.9	1,122	8.894	62.2	24.7	120				
Surr: 2-Fluorobiphenyl	408		560.9		72.8	11.4	125				
Surr: Terphenyl-d14 (surr)	362		560.9		64.6	29.5	155				

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **2101374-007AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **1/26/2021** RunNo: **64943**
Client ID: **B4-0.5** Batch ID: **31160** Analysis Date: **1/26/2021** SeqNo: **1306308**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,380	43.6	1,090	1,013	33.4	35	115	1,348	2.09	30	S
2-Methylnaphthalene	3,090	43.6	1,090	4,398	-120	37.2	115	3,537	13.6	30	S
1-Methylnaphthalene	1,780	43.6	1,090	2,136	-32.5	40.8	114	1,875	5.17	30	S
Acenaphthylene	944	43.6	1,090	0	86.6	42.8	117	847.2	10.8	30	
Acenaphthene	834	43.6	1,090	0	76.5	40.2	119	736.8	12.4	30	
Fluorene	884	43.6	1,090	0	81.1	40.9	118	745.4	17.0	30	
Phenanthrene	892	43.6	1,090	32.93	78.8	31.9	119	767.2	15.0	30	
Anthracene	892	43.6	1,090	0	81.8	34.5	124	761.7	15.8	30	
Fluoranthene	1,090	43.6	1,090	14.04	98.7	38	125	756.2	36.2	30	R
Pyrene	1,100	43.6	1,090	12.22	99.6	35.3	129	743.2	38.5	30	R
Benz(a)anthracene	1,050	43.6	1,090	11.13	95.3	45.7	122	794.1	27.8	30	
Chrysene	881	43.6	1,090	6.162	80.3	34.9	124	800.7	9.60	30	
Benzo(b)fluoranthene	946	43.6	1,090	9.883	85.9	36.5	120	753.8	22.6	30	
Benzo(k)fluoranthene	797	43.6	1,090	0	73.0	30.4	123	763.1	4.28	30	

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2101374-007AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **1/26/2021** RunNo: **64943**
Client ID: **B4-0.5** Batch ID: **31160** Analysis Date: **1/26/2021** SeqNo: **1306308**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1,040	43.6	1,090	0	95.4	38.9	118	897.9	14.7	30	
Indeno(1,2,3-cd)pyrene	892	43.6	1,090	0	81.8	27.2	117	735.0	19.3	30	
Dibenz(a,h)anthracene	886	43.6	1,090	0	81.3	27.4	118	725.8	19.9	30	
Benzo(g,h,i)perylene	863	43.6	1,090	8.894	78.3	24.7	120	706.2	20.0	30	
Surr: 2-Fluorobiphenyl	463		545.2		85.0	11.4	125		0		
Surr: Terphenyl-d14 (surr)	522		545.2		95.8	29.5	155		0		

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.
R - High RPD observed, spike recovery is within range.

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-31138**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **1/25/2021**	RunNo: **64929**
Client ID: **MBLKW**	Batch ID: **31138**		Analysis Date: **1/26/2021**	SeqNo: **1305970**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(j,k)fluoranthene	ND	0.0997									
Naphthalene	ND	0.0997									
2-Methylnaphthalene	ND	0.0997									
1-Methylnaphthalene	ND	0.0997									
Acenaphthylene	ND	0.0997									
Acenaphthene	ND	0.0997									
Fluorene	ND	0.0997									
Phenanthrene	ND	0.0997									
Anthracene	ND	0.0997									
Fluoranthene	ND	0.0997									
Pyrene	ND	0.0997									
Benz(a)anthracene	ND	0.0997									
Chrysene	ND	0.0997									
Benzo(b)fluoranthene	ND	0.0997									
Benzo(k)fluoranthene	ND	0.0997									
Benzo(a)pyrene	ND	0.0997									
Indeno(1,2,3-cd)pyrene	ND	0.0997									
Dibenz(a,h)anthracene	ND	0.0997									
Benzo(g,h,i)perylene	ND	0.0997									
Surr: 2-Fluorobiphenyl	3.07		3.987		77.1	48	137				
Surr: Terphenyl-d14	2.76		3.987		69.3	22.7	132				

Sample ID: **LCS-31138**	SampType: **LCS**	Units: **µg/L**	Prep Date: **1/25/2021**	RunNo: **64929**
Client ID: **LCSW**	Batch ID: **31138**		Analysis Date: **1/26/2021**	SeqNo: **1305971**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(j,k)fluoranthene	2.35	0.0991	3.962	0	59.2	15.7	122				
Naphthalene	2.54	0.0991	3.962	0	64.1	48	116				
2-Methylnaphthalene	2.70	0.0991	3.962	0	68.2	52.5	123				
1-Methylnaphthalene	2.76	0.0991	3.962	0	69.7	42.5	127				

Original

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-31138** SampType: **LCS** Units: **µg/L** Prep Date: **1/25/2021** RunNo: **64929**
Client ID: **LCSW** Batch ID: **31138** Analysis Date: **1/26/2021** SeqNo: **1305971**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	2.88	0.0991	3.962	0	72.8	56.1	129				
Acenaphthene	2.48	0.0991	3.962	0	62.6	58.2	122				
Fluorene	2.39	0.0991	3.962	0	60.3	57.7	126				
Phenanthrene	2.78	0.0991	3.962	0	70.2	57.6	127				
Anthracene	2.32	0.0991	3.962	0	58.6	55.3	121				
Fluoranthene	2.53	0.0991	3.962	0	63.7	59.3	131				
Pyrene	2.48	0.0991	3.962	0	62.5	62.2	125				
Benz(a)anthracene	2.20	0.0991	3.962	0	55.6	49.4	120				
Chrysene	2.36	0.0991	3.962	0	59.5	46.1	105				
Benzo(b)fluoranthene	2.57	0.0991	3.962	0	65.0	32.6	116				
Benzo(k)fluoranthene	2.35	0.0991	3.962	0	59.2	14.9	115				
Benzo(a)pyrene	2.55	0.0991	3.962	0	64.5	22.8	120				
Indeno(1,2,3-cd)pyrene	2.01	0.0991	3.962	0	50.6	20.5	99.7				
Dibenz(a,h)anthracene	1.92	0.0991	3.962	0	48.5	18.9	99.6				
Benzo(g,h,i)perylene	2.12	0.0991	3.962	0	53.5	19.6	101				
Surr: 2-Fluorobiphenyl	2.61		3.962		66.0	48	137				
Surr: Terphenyl-d14	2.17		3.962		54.7	22.7	132				

Sample ID: **LCSD-31138** SampType: **LCSD** Units: **µg/L** Prep Date: **1/25/2021** RunNo: **64929**
Client ID: **LCSW02** Batch ID: **31138** Analysis Date: **1/26/2021** SeqNo: **1305972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(j,k)fluoranthene	2.46	0.0986	3.944	0	62.4	15.7	122	2.346	4.75	30	
Naphthalene	2.28	0.0986	3.944	0	57.9	48	116	2.541	10.7	30	
2-Methylnaphthalene	2.61	0.0986	3.944	0	66.1	52.5	123	2.701	3.50	30	
1-Methylnaphthalene	2.36	0.0986	3.944	0	59.9	42.5	127	2.762	15.6	30	
Acenaphthylene	2.45	0.0986	3.944	0	62.2	56.1	129	2.885	16.2	30	
Acenaphthene	2.16	0.0986	3.944	0	54.8	58.2	122	2.480	13.7	30	S
Fluorene	2.20	0.0986	3.944	0	55.8	57.7	126	2.388	8.10	30	S
Phenanthrene	2.36	0.0986	3.944	0	59.9	57.6	127	2.783	16.4	30	

Original

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCSD-31138** SampType: **LCSD** Units: **µg/L** Prep Date: **1/25/2021** RunNo: **64929**
Client ID: **LCSW02** Batch ID: **31138** Analysis Date: **1/26/2021** SeqNo: **1305972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	1.88	0.0986	3.944	0	47.6	55.3	121	2.323	21.2	30	S
Fluoranthene	2.29	0.0986	3.944	0	57.9	59.3	131	2.526	9.99	30	S
Pyrene	2.47	0.0986	3.944	0	62.7	62.2	125	2.478	0.222	30	
Benz(a)anthracene	1.97	0.0986	3.944	0	49.9	49.4	120	2.202	11.2	30	
Chrysene	1.94	0.0986	3.944	0	49.3	46.1	105	2.359	19.3	30	
Benzo(b)fluoranthene	1.97	0.0986	3.944	0	49.9	32.6	116	2.574	26.6	30	
Benzo(k)fluoranthene	2.46	0.0986	3.944	0	62.4	14.9	115	2.346	4.75	30	
Benzo(a)pyrene	2.40	0.0986	3.944	0	60.7	22.8	120	2.554	6.40	30	
Indeno(1,2,3-cd)pyrene	1.53	0.0986	3.944	0	38.7	20.5	99.7	2.006	27.1	30	
Dibenz(a,h)anthracene	1.41	0.0986	3.944	0	35.8	18.9	99.6	1.923	30.7	30	R
Benzo(g,h,i)perylene	1.50	0.0986	3.944	0	38.1	19.6	101	2.119	33.9	30	R
Surr: 2-Fluorobiphenyl	2.98		3.944		75.4	48	137		0	0	
Surr: Terphenyl-d14	2.54		3.944		64.5	22.7	132		0	0	

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.
R - High RPD observed, spike recovery is within range.

Sample ID: **2101332-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **1/25/2021** RunNo: **64929**
Client ID: **BATCH** Batch ID: **31138** Analysis Date: **1/26/2021** SeqNo: **1305975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(j,k)fluoranthene	2.29	0.0997	3.987	0	57.5	5	96.4				
Naphthalene	2.80	0.0997	3.987	0	70.2	37.1	116				
2-Methylnaphthalene	3.41	0.0997	3.987	0	85.6	42.4	119				
1-Methylnaphthalene	3.15	0.0997	3.987	0	79.1	44.2	118				
Acenaphthylene	3.20	0.0997	3.987	0	80.2	48.6	119				
Acenaphthene	2.71	0.0997	3.987	0	68.0	41.7	125				
Fluorene	2.91	0.0997	3.987	0	72.9	48.2	124				
Phenanthrene	2.89	0.0997	3.987	0	72.5	44.1	125				
Anthracene	2.28	0.0997	3.987	0	57.3	7.38	129				
Fluoranthene	3.11	0.0997	3.987	0	77.9	41.8	122				

Work Order: 2101374
CLIENT: Libby Environmental
Project: Special Interest Auto Wrecking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2101332-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **1/25/2021** RunNo: **64929**
Client ID: **BATCH** Batch ID: **31138** Analysis Date: **1/26/2021** SeqNo: **1305975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	3.02	0.0997	3.987	0	75.7	22.2	131				
Benz(a)anthracene	2.25	0.0997	3.987	0	56.4	21.1	112				
Chrysene	2.30	0.0997	3.987	0	57.6	31.5	96.7				
Benzo(b)fluoranthene	2.39	0.0997	3.987	0	60.0	15.4	99.2				
Benzo(k)fluoranthene	2.29	0.0997	3.987	0	57.5	5	96.4				
Benzo(a)pyrene	2.59	0.0997	3.987	0	65.0	5	103				
Indeno(1,2,3-cd)pyrene	1.88	0.0997	3.987	0	47.1	5	83.4				
Dibenz(a,h)anthracene	1.84	0.0997	3.987	0	46.1	5	84.2				
Benzo(g,h,i)perylene	1.87	0.0997	3.987	0	47.0	5	83.1				
Surr: 2-Fluorobiphenyl	2.26		3.987		56.8	48	137				
Surr: Terphenyl-d14	2.08		3.987		52.2	22.7	132				

Sample Log-In Check List

Client Name:	**LIBBY**	Work Order Number:	**2101374**
Logged by:	**Gabrielle Coeuille**	Date Received:	**1/25/2021 7:37:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	1.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Original

Fremont

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

2101374

www.LibbyEnvironmental.com

Date: 1-23-21 Page: 1 of 2

Client: Libby Environmental, Inc
Address:
City: State: Zip:
Phone: Fax:
Client Project #

Project Manager: K Eley
Project Name: Special Interest Auto Wrecking
Location: City, State: Kent, WA
Collector: Date of Collection: 1-21-21
Email:

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Semi Vol 8270	Field Notes
1	B1-0.5	0.5	0930	S	4oz Jar										X			
2	B1-5	5	0935															
3	B2-0.5	0.5	0950															
4	B2-5	5	0955															
5	B3-0.5	0.5	1010															
6	B3-5	5	1015															
7	B4-0.5	0.5	1025															
8	B4-5	5	1030															
9	B5-0.5	0.5	1045															
10	B5-5	5	1050															
11	B6-0.5	0.5	1120															
12	B6-15	15	1125															
13	B7-0.5	0.5	1220															
14	B7-15	15	1225															
15	B8-0.5	0.5	1300															
16	B8-15	15	1305															
17	B9-0.5	0.5	1340															

Relinquished by: Date / Time
Received by: Date / Time
Claudia Cuellar 1/25/21 0737

Relinquished by: Date / Time
Received by: Date / Time

Relinquished by: Date / Time
Received by: Date / Time

Sample Receipt

Good Condition?	Y	N
Cooler Temp.		°C
Sample Temp.		°C
Total Number of Containers		

Remarks: STD TAT

TAT: 24HR 48HR 5-DAY

Distribution: White - Lab, Yellow - Originator

Fremont

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

2101374

www.LibbyEnvironmental.com

Date: 1-23-21 Page: 2 of 2

Client: Libby Environmental, Inc
Address:
City: State: Zip:
Phone: Fax:
Client Project #

Project Manager: K Eley
Project Name: Special Interest Auto Wrecking
Location: City, State: Kent, WA
Collector: Date of Collection: 1-21-21
Email:

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Semi Vol 8270	Total Hg	Field Notes
1	B9-15	15	1345	SOIL	4oz Jar										X				
2	B10-0.5	0.5	1420	↓	↓										X				
3	B10-15	15	1430	↓	↓										X				
4	W6		1130	water	Amber-Poly										X		X		
5	W7		1230	↓	↓										X		X		
6	W8		1310	↓	↓										X		X		
7	W9		1350	↓	↓										X		X		
8	W10		1430	↓	↓										X		X		
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			

Relinquished by:	Date / Time	Received by:	Date / Time
		Claudia Cruz 4/25/21 0737	
Relinquished by:	Date / Time	Received by:	Date / Time
Relinquished by:	Date / Time	Received by:	Date / Time

Sample Receipt

Good Condition?	Y	N
Cooler Temp.		°C
Sample Temp.		°C
Total Number of Containers		

Remarks: STD TAT

TAT: 24HR 48HR 5-DAY

Distribution: White - Lab, Yellow - Originator

Fremont

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

www.LibbyEnvironmental.com

2101374

Date: 1-25-21 Page: 1 of 2

Client: Libby Environmental, Inc
Address:
City: State: Zip
Phone: Fax:
Client Project #

Project Manager: K Eley
Project Name: Special Interest Auto Wrecking
Location: City, State: Kent, WA
Collector: Date of Collection: 1-21-21
Email:

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	cPAH 8270	PAH 8270	Semi Vol 8270	Field Notes
1	B1-0.5	0.5	0930	S	4oz Jar										X			
2	B1-5	5	0935															
3	B2-0.5	0.5	0950															
4	B2-5	5	0955															
5	B3 0.5	0.5	1010															
6	B3-5	5	1015															
7	B4-0.5	0.5	1025															
8	B4-5	5	1030															
9	B5-0.5	0.5	1045															
10	B5-5	5	1050															
11	B6-0.5	0.5	1110															
12	B6 15	15	1125															
13	B7-0.5	0.5	1220															
14	B7-15	15	1225															
15	B8-0.5	0.5	1300															
16	B8-15	15	1305															
17	B9-0.5	0.5	1340															

Relinquished by:	Date / Time	Received by	Date / Time
Kristina Kent	1-25-21 9:41	Claire Carlson	1/25/21 1737
Relinquished by:	Date / Time	Received by:	Date / Time
Relinquished by:	Date / Time	Received by:	Date / Time

Sample Receipt

Good Condition? Y N
Cooler Temp. °C
Sample Temp °C
Total Number of Containers

Remarks: STD TAT

TAT: 24HR 48HR 5-DAY

LEGAL ACTION OR ABUSE: In the event of default of payment, undersigned agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a court of law.

Distribution: White - Lab; Yellow - Originator

Fremont

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

2101374

www.LibbyEnvironmental.com

Date: 1-23-21 Page: 2 of 2

Client: Libby Environmental Inc
Address:
City: State: Zip:
Phone: Fax:
Client Project #

Project Manager: K Eley
Project Name: Special Interest Auto Wrecking
Location: City, State: Kent, WA
Collector: Date of Collection: 1-21-21
Email:

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Dx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	cPAH 8270	PAH 8270	Semi Vol 8270	Total Hg		Field Notes
1	B9-15	15	1345	Soil	4oz Jar										X					
2	B10-0.5	0.5	1420	"	"										X					
3	B10-15	15	1430	"	"										X					
4	W6		1132	Water	Amber-BL										X		X			
5	W7		1230	"	"										X		X			
6	W8		1310	"	"										X		X			
7	W9		1350	"	"										X		X			
8	W10		1430	"	"										X		X			
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				

Relinquished by:	Date / Time	Received by:	Date / Time
Kristina Hart	1-25-21 9:41	Chandler	1/25/21 1737
Relinquished by:	Date / Time	Received by:	Date / Time
Relinquished by:	Date / Time	Received by:	Date / Time

Sample Receipt

Good Condition? Y N
Cooler Temp: °C
Sample Temp: °C
Total Number of Containers:

Remarks: STD TAT

TAT: 24HR 48HR 5-DAY

LEGAL ACTION CLAUSE: In the event of default of payment or [illegible] Client agrees to pay the costs of collection including court and reasonable attorney's fees to be determined by a court of law.

Distribution: White - Lab, Yellow - Originator