

**FOCUSED SUBSURFACE INVESTIGATION,
MONITORING WELL INSTALLATION &
GROUNDWATER MONITORING REPORT**

BLT Trucking
8010 South 259th Street
Kent, Washington 98032

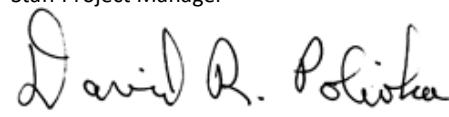
February 18, 2022

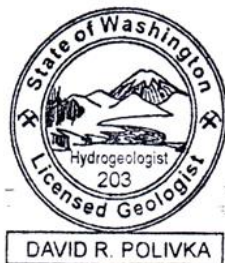
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1.0 INTRODUCTION

EcoCon, Inc. (ECI) has prepared this Groundwater Monitoring Report to document all four consecutive groundwater-sampling events conducted after additional remedial actions took place in September 2020 at 8010 South 259th Street, Kent, Washington (Property/Subject Property) (Figure 1, Appendix A). This report details field activities and observations, sampling activities, analytical results, and provides conclusions and recommendations.

As established in WAC 173-340-200, the “Site” means the same as “Facility” and is defined as:

“...any area where a hazardous substance, other than a consumer product in consumer use, has been deposited, stored, disposed of, or placed or otherwise come to be located...”

For this report, the “Site” is defined by the full lateral and vertical extent of petroleum hydrocarbons originating from a former automobile wrecking yard that was present on the Subject Property. Therefore, the contaminants of concern (COCs) at the Site are:

- Gasoline-range Organics (GRO),
- Diesel-range Organics (DRO),
- Oil-range Organics (ORO)
- Select Volatile Organic Compounds: Benzene, Toluene, Ethylbenzene, Xylenes (BTEX),
- MTCA 5 Metals: Arsenic (As), Cadmium (Cd), Chromium (Cr), Lead (Pb), and mercury (Hg), and
- PCB Mixtures, if ORO is detected from waste oil,

1.1 Property Description/Location

According to the King County Assessor, the Property consists of a single tax parcel (Number 000660-0045) 65,015 square feet in size, currently zoned Commercial Manufacturing II (CM-2) by the City of Kent and is listed by the King County Assessor’s office as being used for light industrial purposes as is the rest of the vicinity. The lot is currently an asphalt paved dispatch, staging, and service yard for BLT Transport LLC that has been improved with one structure used for maintenance and office purposes.

2.0 PHYSICAL SETTING

Geological and hydrogeological conditions can often affect, to some extent, the environmental integrity of a property. Underlying soil and bedrock formations may facilitate or impede the migration of chemical contaminants in groundwater and may even be the source of contaminants such as radon and metals. This section of the report summarizes geologic factors that may affect the Subject Property regarding environmental concerns.

2.1 Geology

The Subject Property is located within the Puget Sound Basin, which is classified as unconsolidated Pleistocene continental glacial drift. The glacial deposits predominantly consist of sand and silt, with

varying amounts of gravel and cobbles (United States Geological Survey, 2005). More specifically, according to the Washington State Department Natural Resources Geologic Portal, the Subject Property is part of a meandering river valley characterized by thick fluvial and floodplain deposits of the Green and White Rivers, and numerous small streams. These deposits consist of gravel, sand, silt, with some clay. Locally could contain low-level terrace, marsh, peat and glacial deposits locally.

The Natural Resources Conservation Service (NRCS) Web Soil Survey describes the soils at the Subject Property as Urban land.

2.2 Hydrogeology

The primary aquifers in the Puget Sound region are typically in glacial sands and gravels overlain by relatively impermeable glacial till deposits, that are present at or near the ground surface. Within these till deposits are localized areas or lenses of water-bearing sands and gravels that may result in a shallow, localized, perched water table. Lateral and vertical migration of shallow groundwater may be impeded by the relatively impermeable nature of the till and by the sometimes-discontinuous nature of the perched water-bearing sands and gravel. In some areas the hydrogeology is controlled by large gravel deposits that are the result of advance and recessional glacial outwash or non-glacial alluvium deposited by rivers in the region.

Perched and discontinuous zones of shallow groundwater may be seasonally or perennially present, depending on site-specific conditions. Shallow groundwater flow directions fluctuate and tend to follow topographic gradient but are also affected by seasonal high-water tables and variable soil characteristics. Groundwater migration pathways may also follow underground conduits.

According to ECI well logs, the depth to groundwater at the Site ranges from 5 to 10 feet below ground surface (bgs). According to the United States Geological Survey (USGS) Auburn, WA, 2020, 7.5-minute quadrangle topographic map, the Property is in the Green River Valley at an elevation of approximately 40 feet above Mean Sea Level (MSL).

The Property is located between the beginning and end of a significant meander in the Green River which is situated approximately 480 feet to the southwest and 825 feet southeast of the Property and flows in a general north-northwesterly direction into Puget Sound (Elliott Bay) approximately 12.5 miles north-northwest of the Subject Property. State Route 167 is approximately 0.66 miles west of the Subject Property.

3.0 PREVIOUS INVESTIGATIONS / INTERIM ACTIONS

3.1 EcoCon Inc. – Focused Subsurface Investigation – May and June 2016

On May 16, 2016, because a Phase I Environmental Site Assessment completed by Aerotech Environmental in 2015 identified the Property as having been an automobile wrecking yard, ECI oversaw the advancement of eight borings on the Property to determine if the soil and/or groundwater on and beneath the Property had been impacted. These boring were located after dividing the Property into a grid of eight equal sections. One boring was advanced in each section. One soil sample was collected from each boring at a depth of 2 to 4 feet bgs. In addition, groundwater was encountered at a depth of 7 to 7.5 feet bgs and a

sample was collected from each boring. The samples were analyzed for hydrocarbon Identification using the NWTPH-HCID analytical method.

The analytical results of the HCID analyses revealed that four of the soil samples contained ORO contaminants. GRO and DRO were not detected above the laboratory practical quantitation limits (PQLs). These four samples were subsequently analyzed for ORO. ORO was identified at concentrations exceeding the MTCA Method A Cleanup Level in two of the four soil samples. These were in samples from borings B2 and B3 (Figure 8, Appendix A).

The analytical results of the groundwater samples revealed the presence of ORO in three of the samples analyzed by NWTPH-HCID. GRO and DRO were not detected above the laboratory PQLs. The samples that contained ORO were subsequently analyzed for ORO using method NWTPH-Dx extended with a silica gel cleanup to remove the effects of natural organic matter and silt in the samples. The analytical results did not report DRO or ORO above the laboratory PQLs.

Based on the analytical results of the soil samples, ECI returned to the Property on June 1, 2016, and excavated eight test pits in the northern portion of the Property to delineate the ORO contamination previously found (Figure 8, Appendix A). Soil samples were collected from a depth of 3 and 6 feet bgs in each test pit.

Ten of the samples were analyzed for DRO and ORO. Of the ten samples analyzed, four detected DRO and/or ORO above the laboratory PQLs but below the MTCA Method A Cleanup Levels.

ECI concluded that the use of the Property as an automobile wrecking yard resulted in the release of oil-range hydrocarbons onto the surface soil in the northern portion of the Property. ECI also indicated that clean surface rock had been brought onto the Property after the automobile wrecking yard was no longer operating, which would explain why the contamination was not observed at the immediate surface.

ECI recommended:

“That soil containing concentrations in excess of the MTCA Method A Cleanup Level... be excavated, removed from the Property, and disposed of at an appropriate Subtitle D Landfill.”

3.2 EcoCon Inc. – Site Characterization Report – July 2016

After the initial FSI and sometime between June 1, 2016, and June 15 -16, 2016, approximately 6 to 7 feet of soil was excavated at site for the stormwater basin. The soils were segregated into two stockpiles. The first stockpile (SP1) was the top 2 to 3 feet of clean imported surface rock and soil over the entire stormwater basin area. This pile was estimated to contain 1,000 cubic yards (1,500 tons) of material was potentially to be reused on the site.

The second stockpile (SP2) was the lower 2 to 4 feet below the top 2 to 3 feet excavated for stockpile SP1. This stockpile was the native soils below the imported fill and was estimated to contain 1,000 cubic yards

(1,500 tons) of material and may have contained the ORO contaminated soils observed during ECI's previous investigation.

Following the stockpiling of the excavated soil by the excavation contractor, ECI returned to the site on June 15 and 16, 2016 to sample the stockpiles. ECI collected 10 samples from each stockpile for analysis. In addition, ECI collected 10 soil samples from the sidewalls and base of the northern portion of the excavation near where ORO contamination had previously been observed (Figure 8, Appendix A).

A total of 30 Samples were analyzed for DRO and ORO. The analytical results revealed that 24 of the samples had detectable concentrations of DRO and/or ORO. However, only one sample from stockpile SP2 (SP2-9) contained a concentration of ORO above the MTCA Method A Cleanup Level. Based on these results, 15 samples, (five from each stockpile and five from the excavation) were analyzed for PCBs and MTCA 5 metals.

The analytical results from the additional analyses revealed that PCBs were present above the MTCA Method A Industrial Cleanup Level in one of the samples from the northern sidewall of the excavation and that cadmium was present above the MTCA Method A Industrial Cleanup Level in six of the stockpile samples and five of the excavation samples.

ECI recommended further excavation within the stormwater basin to remove the area with PCB contaminated soil, as well as removal of the area of stockpile SP2 with ORO contaminated soil. This was performed without ECI presence and placed into a separate stockpile (SP3). In addition, ECI recommended engaging with Ecology on possible cleanup alternatives and closure pathways.

On June 29, 2016, ECI returned to the Property and collected a composite sample from stockpile SP3 for disposal profiling (SP3-Composite). In addition, one sample from the sidewall of the over-excavated PCB area within the stormwater basin excavation was collected for analysis. The analytical results of the sidewall sample were reported as being below the Method A Industrial Cleanup Levels. The composite sample from stockpile SP3 did not detect concentrations of the contaminants of concern above their respective laboratory PQLs and or above their respective MTCA Method A industrial Cleanup Levels.

Based on the analytical results of the sample from stockpile SP3 a special waste profile was completed for disposal of the soil in stockpile SP3 at Republic Services Roosevelt Regional Landfill in Klickitat, Washington via their 3rd and Lander transfer station in Seattle, Washington. Copies of disposal receipts obtained by ECI showed that BLT Trucking transported a total of 175.38 tons of contaminated soil to the transfer facility on July 13 and 18, 2016. It should be noted that the disposal receipts were obtained after the completion of ECI's July 2016 Site Characterization Report. (Disposal receipts are available in Appendix C)

3.3 Stormwater System Installation

Following the excavation, stockpiling, and sampling of potentially contaminated soils and the disposal of the soils in stockpile SP3, the excavation contractor completed excavation of the stormwater basin and the stormwater infiltration pipes were installed and backfilled with pea gravel, and the silty sand with gravel stockpiled soils. Subsequent to ECI's investigations, it is estimated that the depth of the stormwater basin excavation was extended approximately 6 to 8 feet.

Samples of the excavated soils were not collected by the property owner during the excavation and installation of the stormwater management system. Due to samples not being collected, in March 2021, ECI recommended additional investigations which included the advancement of soil borings and groundwater monitoring in and around the stormwater excavation to confirm that the soils in that area are not contaminated from previous activities on the Subject Property.

4.0 REGULATORY COMPLIANCE & CONTAMINANTS OF CONCERN

Regulatory compliance for this project is based on the Washington Administrative Code (WAC) 173-340 – Model Toxic Control Act (MTCA) - RCW Chapter 70.105D (recodified in 2020 as Chapter 70A.305 RCW), implemented by the Washington State Department of Ecology (Ecology). Pursuant to Chapter 70A.305 RCW, Ecology has established procedures for developing cleanup levels and requirements for cleanup actions. The rules establishing these levels and requirements were developed by Ecology in consultation with a Science Advisory Board (established under the Act) and with representatives from local government, citizen, environmental, and business groups. The rules were first published in February 1991, with amendments in January 1996, February 2001, and October 2007.

4.1 Contaminants of Concern (COCs) and Cleanup Levels

Pursuant to Chapter 70.105D RCW, Ecology has established procedures for developing cleanup levels and requirements for cleanup actions. The MTCA regulations provide three approaches for establishing cleanup levels:

- **Method A: ARARs and Tables.** This method is to be used where the cleanup action is routine and involves relatively few hazardous substances. The soil and groundwater cleanup levels are set at concentrations at least as stringent as concentrations specified in applicable state and federal laws (ARARs) and are presented in Tables 720-1, 740-1, and 745-1 of the regulations (WAC 173-340).
- **Method B: Universal Method.** Method B is the “universal method” for determining cleanup levels for all media at all sites. Under Method B, cleanup levels for individual hazardous substances are established using applicable state and federal laws and the risk equations and other requirements specified in WAC 173-340.

Method B has two tiers, a “Standard” tier and a “Modified” tier. The “Standard” Method B tier uses generic default assumptions to calculate cleanup levels. The “Modified” Method B tier provides for the use of chemical-specific or site-specific information to change selected default assumptions. These can be established using a quantitative risk assessment process.

- **Method C: Conditional Method.** When compliance with cleanup levels developed under Method A or B are impossible to achieve or may cause greater environmental harm, Method C cleanup levels for individual hazardous substances may be established for surface water, groundwater, and air. Method C industrial soil and air cleanup levels may also be established at industrial properties that meet specific criteria.

Like Method B, Method C is divided into two tiers, a “Standard” and a “Modified” tier. The “Standard” Method C tier uses generic default assumptions to calculate cleanup levels. The “Modified” Method

C tier provides for the use of chemical-specific or site-specific information to change selected default assumptions. These can be established using a quantitative risk assessment process.

Based upon the results of previous investigations, ECI has determined that Method A cleanup levels are appropriate for this Site. The Contaminants of Concern (COCs) and respective MTCA Method A Cleanup Levels are presented below in Table 1:

Table 1: Contaminants of Concern

Contaminant	Analytical Method	MTCA ¹ Method A Soil Cleanup Levels (mg/kg) ²	MTCA ³ Method A Groundwater Cleanup Levels (µg/l) ⁴
Gasoline-range Organics (GRO)	NWTPH-Gx	100/30	1,000/800 ⁵
Diesel-range Organics (DRO)	NWTPH-Dx	2,000	500
Oil-range Organics (ORO)	NWTPH-Dx	2,000	500
Benzene	EPA Method 8260D	0.03	5
Toluene	EPA Method 8260D	7	1,000
Ethylbenzene	EPA Method 8260D	6	700
Xylenes	EPA Method 8260D	9	1,000
Lead	EPA Method 7010	250	15
Cadmium	EPA Method 7010	2	5
Chromium	EPA Method 7010	19/2,000 ⁶	50
Arsenic	EPA Method 7010	20	5
Polychlorinated biphenyls (PCBs)	EPA Method 8082	1	0.1
Carcinogenic Polyaromatic Hydrocarbons (cPAHs)	EPA Method 8270	Varies	Varies

5.0 FOCUSED SUBSURFACE INVESTIGATION AND WELL INSTALLATION

5.1 Focused Subsurface Investigation – March 2021

On March 16, 2021, ECI oversaw the advancement of ten borings on the Property near where previous investigations had found contamination above cleanup levels in 2016 (Figure 6, Appendix A). During excavation for a stormwater basin, the soil in these areas was excavated, stockpiled, sampled, and those soils above cleanup levels transported for offsite disposal at a permitted landfill. However, subsequent to

¹ MTCA = Model Toxics Control Act

² mg/kg = milligram per kilogram

³ MTCA = Model Toxics Control Act

⁴ µg/l = micrograms per liter

⁵ Gasoline Range Organics in Groundwater: Gasoline mixtures without benzene and the total of ethylbenzene, toluene and xylene are less than 1% of the gasoline mixture has a Groundwater soil CUL = 1000 µg/L. All other gasoline mixtures have a groundwater CUL = 800 µg/L.

⁶ = Chromium VI MTCA Method A Cleanup Level is 19 mg/kg, Chromium III MTCA Method A Cleanup Level is 2,000 mg/kg

the excavation of the contaminated areas, the excavation was extended deeper for the installation of the stormwater infiltration piping. The purpose of the borings was to obtain samples to confirm that the soils around and beneath the stormwater basin excavation have been effectively remediated and/or not affected by previous activities on the Property. In addition, five of the borings were completed as groundwater monitoring wells to confirm that the groundwater has not been affected by the contamination previously found on the Property.

Six of the borings were located around the perimeter of the stormwater basin in areas near where previous investigations had found contamination. Four of the borings were located within the stormwater basin to obtain samples of the native soils beneath the basin excavation. The borings were drilled to an approximate depth of 15 feet bgs using push-probe drilling techniques (Geoprobe®) by Standard Environmental Probe of Tumwater, Washington, a Washington State licensed driller.

During drilling, soil samples were collected continuously using a Macro-Core® sampler for the purpose of logging lithology, determining the location of the groundwater, and screening for contamination. Each 4-foot-long section of soil core was logged for lithology and field screened for evidence of contamination using visual and olfactory screening methods.

5.1.1 Soil Sampling Collection

Relatively undisturbed soil samples were collected directly from the Macro-Core® samplers extracted from each boring. The samples were transferred into laboratory-provided analyte specific sample containers by sampling technicians using disposable single use nitrile gloves and assigned a unique sample identification. Samples collected for GRO and BTEX were collected using the Ecology and EPA recommended EPA 5035 sampling method. The samples were placed in a climate-controlled container and maintained at or below 4° Celsius until they were delivered to an Ecology accredited laboratory, Libby Environmental Inc. in Olympia, Washington under industry standard chain of custody protocol.

5.1.2 Analytical Results

A total of 25 soil samples were collected from the borings and 15 were analyzed for COCs. Based on field screening, nine samples were analyzed for GRO and BTEX, and 10 were analyzed for DRO/ORO. Because PCBs and metals were found in previous investigations, one sample from each boring was analyzed for PCBs, and MTCA-5 Metals (arsenic, cadmium, total chromium, lead, and mercury),

Based on the analytical results from the MTCA 5 analyses, five additional samples were analyzed for arsenic. Because ORO was detected above cleanup levels in several of the samples during previous investigations, samples from the borings near three of the locations were analyzed for cPAHs as required by MTCA Table 830-1. In addition, two of the soil samples analyzed were reported as containing concentrations of total chromium greater than the MTCA Method A Cleanup level for hexavalent chromium, those two samples were analyzed for hexavalent chromium.

The analytical results revealed that except for lead, total chromium, and arsenic, the contaminants of concern were reported as not being present above the respective laboratory PQLs. Lead, total chromium, and arsenic were reported above the respective laboratory PQLs in every sample analyzed. The concentrations of lead were reported as being below the MTCA Method A Cleanup Levels. As previously

mentioned, the concentration of total chromium was greater than The MTCA Method A Cleanup Level for hexavalent chromium and below the cleanup Level for trivalent chromium in the shallow samples from two of the borings (boring B-9 and B-10). Those two samples were analyzed for hexavalent chromium. The analytical results of the hexavalent chromium analyses were reported as being below the laboratory PQL.

Arsenic was reported above the MTCA Method A Cleanup Level of 20 mg/kg in five of the samples collected at a depth of 15 feet bgs. The concentrations were just above the cleanup level and ranged from 20 mg/kg to 26 mg/kg. Because arsenic was not detected above 6.92 mg/kg in shallow samples during the previous investigations or above the cleanup level in the shallow samples from this investigation, it is ECI's opinion that the arsenic found at 15 feet bgs is not a result of activities on the Subject Property. The analytical results for the soil samples are summarized below in Table 2.

Table 2: Soil Analytical Results

Sample Name	Date Sampled	Total Petroleum Hydrocarbons			Select Volatile Organic Constituents				Metals						PCB Mixture ⁷	PAHs (carcinogenic) ⁸
		Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Total Chromium	Hexavalent Chromium	Cadmium	Arsenic	Mercury		
			Sample Reported in Milligrams per Kilogram (mg/Kg)													
B-9:3	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	180	25	<0.53	<1.0	17	<0.5	ND	ND
B-9:15	3/16/21	--	--	--	--	--	--	--	--	--	--	--	20	--	--	--
B-10:4	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	100	31	<0.57	<1.0	14	<0.5	ND	ND
B-10:15	3/16/21	--	--	--	--	--	--	--	--	--	--	--	23	--	--	--
B-11:4	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	8	5.6	--	<1.0	16	<0.5	ND	ND
B-11:15	3/16/21	--	--	--	--	--	--	--	--	--	--	--	26	--	--	--
B-12:15	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	75	11	--	<1.0	22	<0.5	ND	--
B-13:15	3/16/21	--	<50	<250	--	--	--	--	15	5.4	--	<1.0	17	<0.5	ND	--
B-14:16	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	<5.0	<5.0	--	<1.0	12	<0.5	ND	--
B-15:15	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	<5.0	6.9	--	<1.0	18.6	<0.5	ND	--
B-16:5	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	140	7.4	--	<1.0	13	<0.5	ND	--

⁷ **PCB Mixtures.** Cleanup level based on applicable federal law (40 C.F.R. 761.61). This is a total value for all PCBs.

⁸ PAHs (Benzo(a)pyrene). Cleanup level based on direct contact using Equation 740-2. If other carcinogenic PAHs are suspected of being present at the site, test for them and use this value as the total concentration that all carcinogenic PAHs must meet using the toxicity equivalency methodology in WAC 173-340-708(8)

Sample Name	Date Sampled	Total Petroleum Hydrocarbons			Select Volatile Organic Constituents				Metals						PCB Mixture ⁷	PAHs (carcinogenic) ⁸
		Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Total Chromium	Hexavalent Chromium	Cadmium	Arsenic	Mercury		
			Sample Reported in Milligrams per Kilogram (mg/Kg)													
B-17:4	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	7.8	12	--	<1.0	15	<0.5	ND	--
B-17:15	3/16/21	--	--	--	--	--	--	--	--	--	--	--	14	--	--	--
B-18:3	3/16/21	<10	<50	<250	<0.02	<0.10	<0.05	<0.15	10	14	--	<1.0	13	<0.5	ND	--
B-18:15	3/16/21	--	--	--	--	--	--	--	--	--	--	--	25	--	--	--
Laboratory PQL ⁹		10	50	250	1	2	1	2	5.0	5.0	0.534	5.0	3.0	0.5	0.02	0.1
Method A CUL ¹⁰		30/100	2,000	2,000	5	1,000	700	1,000	250	2,000	19	2	20	2	0.1	1

Bold: Analyte reported exceeding the laboratory PQL

⁹ Practical Quantitative Limits

¹⁰ Washington Model Toxic Control Act Method A Cleanup Levels

6.0 GROUNDWATER MONITORING PROGRAM

This groundwater monitoring program was initiated the first quarter of 2021 on the Subject Property following excavation of contaminated soils found during excavation for a stormwater basin and the installation of the infiltration pipes in 2016. It includes:

- Installation of five groundwater-monitoring wells in March 2021;
- Sampling the wells on a quarterly basis for the constituents of concern at the Site, and
- Comparing the analytical results with their respective MTCA Method A Cleanup Levels (CULs).

6.1 Monitoring Well Installation – March 2021

Five out of the ten borings advanced on the Subject Property on March 16, 2021, were completed as monitoring wells. Boring B9, B11, B14, B15, and B18 were all completed as monitoring wells. The wells were constructed pursuant to the Washington State Resource Protection Well Regulations (Chapter 173-160 WAC) with 10 feet of ¾-inch diameter 0.010-incheslotted PVC well screen starting at the base of the boring. The boring logs and well construction details are presented in Appendix C.

To assure that representative samples of the groundwater could be obtained, on March 19, 2021, each well was developed to remove the effects that drilling may have had on the soils adjacent to the boring and to clean the sand-pack of silt that may have been introduced during well construction. This was accomplished by surging the well and pumping the water from the well until the water was clear or as clean as reasonably possible.

The following wells were installed on the Subject Property:

- **MW1:** was installed west of the stormwater basin excavation.
- **MW2:** was installed north of the northwest portion of the stormwater basin excavation.
- **MW3:** was installed in the northeast portion of the stormwater basin excavation.
- **MW4:** was installed in the northeast portion of the stormwater basin excavation east of well MW3.
- **MW5:** was installed outside the southwestern portion of the stormwater basin to the south.

6.2 Groundwater Sampling Activities

Groundwater samples were collected from the five monitoring wells (MW1 through MW5) over four consecutive quarters, in accordance with American Society of Testing and Materials (ASTM) Guideline D6771-02 *“Standard Practice for Low-Flow Purging and Sampling for Wells and Devices used for Ground-Water Quality Investigations”*.

ECI field staff followed the procedures described below when collecting groundwater samples:

- The cap from each monitoring well at the Site was removed and the groundwater level was allowed to equilibrate to atmospheric pressure for a minimum of 20 minutes.

- The depth to groundwater in each monitoring well at the Site was measured relative to the top of the well casing using an electronic water-level meter.
- Each monitoring well that was sampled was then purged at a low-flow rate (100 to 300 milliliters per minute) using a peristaltic pump and dedicated polyethylene tubing. “Field parameters” of temperature, pH, dissolved oxygen (DO), oxygen reduction potential (ORP) and specific conductivity were monitored during purging using a water quality meter and a flow-through cell to determine when these parameters stabilized.

Samples were collected in new laboratory-provided analyte-specific sample containers and assigned a unique sample ID. The samples were placed in a climate-controlled container and maintained at or below 4° Celsius until they were delivered to an Ecology accredited laboratory, Libby Environmental Inc. in Olympia, Washington under industry standard chain of custody protocol.

6.2.1 First Quarter 2021 Groundwater Monitoring – March 2021

The first consecutive groundwater monitoring event was conducted on March 30, 2021, and groundwater samples were collected from the five groundwater monitoring wells (MW1 through MW5) installed on the Subject Property. The samples were collected to confirm that the groundwater has not been affected by the contamination previously found on the Property.

At the time of groundwater sampling the groundwater levels were found to be between 7.08 and 7.50 feet below the top of the casing of each well (Table 9 Appendix B). Based on the depths to water and the professionally surveyed elevations of the well casings, the groundwater flow appeared to be to the north in the western portion of the Site and to the east in the eastern portion of the Site (Figure 2, Appendix A). However, it should be noted that the depths to groundwater are within the elevation of the infiltration pipes of the stormwater basin. It is likely that the groundwater levels and flow are affected by the stormwater basin.

The analytical results of samples collected revealed that the only contaminant of concern reported above the laboratory PQLs was arsenic. Except for the sample from monitoring well MW4, total arsenic was reported above the laboratory PQL in each of the samples from the monitoring wells. Arsenic was not reported above the laboratory PQL in the sample from monitoring well MW4.

Of the samples with total arsenic concentrations reported greater than the laboratory PQL, only the samples from monitoring wells MW1 and MW2 had concentrations that exceeded the MTCA Method A Cleanup Level of 5.0 µg/L.

Because the reported concentration of total arsenic was above MTCA Method A Cleanup Level in the samples from monitoring wells MW1 and MW2, those samples were additionally analyzed for dissolved arsenic. The analytical results for dissolved arsenic for each sample was reported as being below the laboratory PQL which is below the MTCA Method A Cleanup Level.

A summary of the laboratory analytical results for this event is provided in Table 3 below. A summary of the analytical results for all of the monitoring well sampling events is provided in Table 8, Appendix B. The laboratory data sheets are presented in Appendix D.

Table 3: First Quarter 2021 Groundwater Sample Analytical Results

Sample Name	Date Sampled	Total Petroleum Hydrocarbons			Select Volatile Organic Constituents				Total Metals					PC B	Chl ori
		Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic	Dissolved Arsenic		
		Samples Reported in Micrograms per Liter (µg/l)													
MW1	3/30/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	6.4	<3.0	ND	ND
MW2	3/30/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	6.9	<3.0	ND	ND
MW3	3/30/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	3.4	--	ND	ND
MW4	3/30/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	<3.0	--	ND	ND
MW5	3/30/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	4.3	--	ND	ND
Laboratory PQL		100	200	400	1	2	1	2	5.0	5.0	5.0	3.0	0.02		0.1
Method A CULs		800/1,000	500	500	5	1,000	700	1,000	15	50	5	5.0	NE		NE

Bold: Sample Results Exceed the Laboratory PQL

Red: Sample Results Exceed the MTCA Cleanup Level

6.2.2 Second Quarter 2021 Groundwater Monitoring – June 2021

The second consecutive groundwater monitoring event was conducted on June 15, 2021, and groundwater samples were collected from each of the five monitoring wells (MW1 through MW4). At the time of sampling, groundwater levels were found to be between 8.04 and 8.50 feet below the top of the casing of each well (Table 9, Appendix B). Based on the depths to water and the professionally surveyed elevations of the well casings, the groundwater flow appeared to be to the northwest in the western portion of the Site and to the east in the eastern portion of the Site and may be slightly mounded within the stormwater basin (Figure 3, Appendix A). However, it should be noted that the depths to groundwater are within the elevation of the infiltration pipes of the stormwater basin. It is likely that the groundwater levels and flow are affected by the stormwater basin. It should also be noted that there was reportedly 1.10 inches of precipitation the day before the sampling.

The analytical results of samples collected revealed that the only contaminant of concern reported above the laboratory PQLs was arsenic. Except for the sample from monitoring well MW2, total arsenic was reported above the laboratory PQL in each of the samples from the monitoring wells. Arsenic was not reported above the laboratory PQL in the sample from monitoring well MW2.

Of the samples with total arsenic concentrations reported greater than the laboratory PQL, the samples from monitoring wells MW1, MW3, and MW5 had concentrations that exceeded the MTCA Method A Cleanup Level of 5.0 µg/L.

Because the reported concentration of total arsenic was above MTCA Method A Cleanup Levels in samples from monitoring wells MW1, MW3, and MW5, the samples were analyzed for dissolved arsenic. The results of the dissolved arsenic analyses were reported to be above the MTCA Method A Cleanup Levels for each sample.

It should be noted that the concentrations of dissolved arsenic were reported as being greater than the concentration levels of the total arsenic analytical results. This can occasionally occur for a number of reasons. The variation could be caused by laboratory error and/or field sampling errors. However, there are also variations that are a result of the preparation and analytical methods used. According to the EPA analytical method most commonly used, EPA Method 7010 - Graphite Furnace Atomic Absorption Spectrophotometry (GFAA), *“arsenic analysis can suffer from severe nonspecific absorption and light scattering caused by matrix components during atomization.”* When this occurs, the concentrations reported appear higher than may be in the sample.

Another potential reason total metal concentrations can be occasionally reported as being lower than dissolved metals is that water samples for total and dissolved metals are handled and prepared for analyses differently. Samples for dissolved analyses are either filtered in the field to remove particles greater than 0.45 microns and then acidified with nitric acid or the sample is filtered and acidified by the laboratory upon receipt. This acidified sample can then be directly analyzed by the chosen analytical method. Samples for total metals analyses are acidified in the field with nitric acid to prevent the precipitation and changes in the oxidation states of the metals.

Before a sample for total metals is analyzed it needs to be “digested”. According to the EPA Method 7010: *“With the exception of the analyses for dissolved constituents, all samples require digestion prior to Analysis. Samples which are to be analyzed only for dissolved constituents need not be digested if they have been filtered and acidified.”* The digestion method used for GFAA is EPA Method 3015 - Microwave Assisted Acid Digestion of Aqueous Samples and Extracts. This method takes the metals from the solid and colloidal portions of a sample and puts them into solution so that they can be analyzed. One comment that is made in the method is that the *“method is not intended to accomplish total decomposition of the sample, the extracted analyte concentrations may not reflect the total content in the sample”*. When this occurs the concentrations in a sample analyzed for dissolved metals may be higher than the concentration for total metals and will vary from sample to sample depending on the concentrations and the physical and chemical makeup of each sample.

Because the actual reason for the discrepancy between the total and dissolved arsenic in the samples cannot be determined and that the dissolved arsenic analytical results reported during the first and third consecutive groundwater monitoring events conducted on September 23, 2021, and March 30, 2021, reported concentrations below the laboratory PQL for arsenic, ECI does not consider the analytical results

for arsenic from this sampling event to be representative of true concentrations of total and/or dissolved arsenic within the groundwater at the Site.

A summary of the laboratory analytical results for this event is provided in Table 4 below. A summary of the groundwater monitoring well samples is provided in Table 8, Appendix B. The laboratory data sheets are presented in Appendix D.

Table 4: Second Quarter 2021 Groundwater Sample Analytical Results

Sample Name	Date Sampled	Total Petroleum Hydrocarbons			Select Volatile Organic Constituents				Total Metals					PC B	Chl ori
		Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic	Dissolved Arsenic		
		Samples Reported in Micrograms per Liter (µg/l)													
MW1	6/15/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	5.9	18	ND	ND
MW2	6/15/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	<3.0	--	ND	ND
MW3	6/15/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	6.7	9.1	ND	ND
MW4	6/15/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	4.3	--	ND	ND
MW5	6/15/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	17	23	ND	ND
Laboratory PQL		100	200	400	1	2	1	2	5.0	5.0	5.0	3.0	3.0	0.02	0.1
Method A CULs		800/1,000	500	500	5	1,000	700	1,000	15	50	5	5.0	5.0	NE	NE

Bold: Sample Results Exceed PQL

Red: Sample Results Exceed CUL

6.2.3 Third Quarter 2021 Groundwater Monitoring – September 2021

The third consecutive groundwater monitoring event was conducted on September 23, 2021, and groundwater samples were collected from each of the five monitoring wells (MW1 through MW5). At the time of sampling, groundwater levels were found to be between 9.03 and 10.30 feet below the top of the casing of each well (Table 9, Appendix B). Based on the depths to water and the professionally surveyed elevations of the well casings, the groundwater appears to be mounded in the area of the stormwater basin with the primary flow to the east in the eastern portion of the Site and to the west in the western portion of the Site. This mound is likely caused by the infiltration of precipitation that occurred prior to the date of the sampling event. Approximately 1.5 inches of precipitation occurred within the five days preceding the sampling.

The analytical results of samples collected revealed that the only contaminants of concern reported above the laboratory PQLs were DRO and arsenic in the sample from monitoring well MW4 and arsenic in the sample from monitoring well MW1. Except for the concentration of total arsenic in the sample from monitoring well MW4, the concentrations were reported as being below the MTCA Method A Cleanup Levels.

Because the reported concentration of total arsenic was above MTCA Method A Cleanup Level in the samples from monitoring well MW4, the sample from that monitoring well was additionally analyzed for dissolved arsenic. The analytical result for dissolved arsenic was reported as being below the laboratory PQL which is below the MTCA Method A Cleanup Level.

A summary of the laboratory analytical results for this event is provided in Table 5 below. A summary of the groundwater monitoring well samples is provided in Table 8, Appendix B. The laboratory data sheets are presented in Appendix D.

Table 5: Third Quarter 2021 Groundwater Sample Analytical Results

Sample Name	Date Sampled	Total Petroleum Hydrocarbons			Select Volatile Organic Constituents				Total Metals					PCB Mixture	Chlorinated PAHs
		Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic			
		Samples Reported in Micrograms per Liter (µg/l)													
MW1	9/23/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	3.1	--	ND	ND
MW2	9/23/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	<3.0	--	ND	ND
MW3	9/23/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	<3.0	--	ND	ND
MW4	9/23/21	<100	<200	460	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	7.4	<3.0	ND	ND
MW5	9/23/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	<3.0	--	ND	ND
Laboratory PQL		100	200	400	1	2	1	2	5.0	5.0	5.0	3.0	3.0	0.02	0.1
Method A CULs		800/1,000	500	500	5	1,000	700	1,000	15	50	5	5.0	5.0	NE	NE

Bold: Sample Results Exceed PQL

Red: Sample Results Exceed CUL

6.2.4 Fourth Quarter 2021 Groundwater Monitoring – November 2021

The fourth consecutive groundwater monitoring event was conducted on November 17, 2021, and groundwater samples were collected from each of the five monitoring wells (MW1 through MW5). At the time of sampling, groundwater levels were found to be between 5.74 and 7.68 feet below the top of the casing of each well (Table 9, Appendix B). Based on the depths to water and the professionally surveyed elevations of the well casings, the groundwater flow appears to be to the east (Figure 5, Appendix A). However, it should be noted that the depths to groundwater are within the elevation of the infiltration pipes of the stormwater basin. It is likely that the groundwater levels and flow are affected by the stormwater basin.

The analytical results of samples collected from monitoring wells MW1, MW2, and MW4 revealed concentrations of arsenic exceeding the laboratory PQL. However, only the arsenic monitoring wells MW1 and MW4 were at a concentration that exceeded its MTCA Method A Cleanup Level. The concentration of

arsenic in the sample from monitoring well MW2 had an arsenic concentration below the MTCA Method A Cleanup Level.

Due to the previous analytical results indicating that dissolved arsenic was reported as below the laboratory PQL, dissolved arsenic was not analyzed for MW1 and MW4.

A summary of the laboratory analytical results for this event is provided in Table 6 below. A summary of the groundwater monitoring well samples is provided in Table 8, Appendix B. The laboratory data sheets are presented in Appendix D.

Table 6: Fourth Quarter 2021 Groundwater Sample Analytical Results

Sample Name	Date Sampled	Total Petroleum Hydrocarbons			Select Volatile Organic Constituents				Total Metals				PCB Mixture	Chlorinated PAHs
		Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic		
		Samples Reported in Micrograms per Liter (µg/l)												
MW1	11/17/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	6.5	ND	ND
MW2	11/17/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	3.3	ND	ND
MW3	11/17/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	<3.0	ND	ND
MW4	11/17/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	19	ND	ND
MW5	11/17/21	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	<5.0	<5.0	<5.0	<3.0	ND	ND
Laboratory PQL		100	200	400	1	2	1	2	5.0	5.0	5.0	3.0	0.02	0.1
Method A CULs		800/1,000	500	500	5	1,000	700	1,000	15	50	5	5.0	NE	NE

Bold: Sample Results Exceed PQL

Red: Sample Results Exceed CUL

7.0 SUMMARY

In March 2021, ECI oversaw the advancement of ten soil borings and the installation of five groundwater monitoring wells on the Property near where previous investigations had found contamination above cleanup levels during excavation for a stormwater basin in 2016. The contaminated soil was independently remediated in 2016 by the owner of the Property through excavation and off-site disposal (disposal receipts provided by the owner of the Property available in Appendix C). The borings advanced in March 2021 were to confirm that the soils around and beneath the stormwater basin excavation had been effectively remediated and/or not affected by previous activities on the Property.

A total of 25 soil samples were collected from the borings and 15 were analyzed for COCs. The analytical results revealed that except for lead, total chromium, and arsenic, the contaminants of concern were reported as not being present above the respective laboratory PQLs. Lead, total chromium, and arsenic were reported above the respective laboratory PQLs in every sample analyzed. However, arsenic was the

only sample reported to exceed the MTCA Method A Cleanup Levels in five of the samples collected from a depth of 15 feet bgs. The concentrations were just above the cleanup level of 20 mg/kg and ranged from 20 mg/kg to 26 mg/kg. Because arsenic was not detected above 6.92 mg/kg in shallow samples during the previous investigations or above the cleanup level in the shallow samples from this investigation, it is ECI's opinion that the arsenic found at 15 feet bgs is not a result of activities on the Subject Property.

Between May 2021 and November 2021, ECI conducted four groundwater quarterly sampling events, where samples were collected from the five groundwater monitoring wells installed at the Site. The samples were collected to confirm that the groundwater had not been affected by the contamination previously found on the Property.

The analytical results showed total arsenic to be above its MTCA Method A Cleanup Level throughout the four quarters in samples from one or more monitoring wells. The samples reporting concentrations of total arsenic above the MTCA Method A Cleanup Level for the first through third consecutive groundwater monitoring event were further analyzed for dissolved arsenic. With the exception of the second consecutive groundwater monitoring event, the analytical results for all samples were reported below the laboratory PQL for dissolved arsenic. The remaining COCs were reported below their respective laboratory PQLs or below their respective MTCA Method A Cleanup Levels for all of the monitoring wells (MW1 through MW5).

The analytical results from the second quarter sampling event reported the concentrations of dissolved arsenic above the concentration levels of the total arsenic analytical results. This can occasionally occur due to numerous reasons ranging from sampling and/or laboratory errors to the EPA acknowledged limitations with the analytical and sample preparation methods.

Because the actual reason for the discrepancy between the total and dissolved arsenic in the samples cannot be determined and that the dissolved arsenic analytical results reported during the first and third consecutive groundwater monitoring events conducted on September 23, 2021, and March 30, 2021, reported concentrations were below the laboratory PQL for arsenic, ECI does not consider the analytical results for arsenic from this sampling event to be representative of true concentrations of total and/or dissolved arsenic within the groundwater at the Site.

8.0 RECOMMENDATIONS

Based on the consistent analytical results indicating that the soil at Site has been remediated and that the groundwater does not appear to have been affected by activities on the Property, ECI recommends the issuance of a No Further Action determination for the Site.

9.0 REPORT LIMITATIONS AND GUIDELINES FOR USE

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology, and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. EcoCon Inc. includes these explanatory "limitations"

provisions in our reports to help reduce such risks. Please confer with EcoCon if you are unclear how these “Report Limitations and Guidelines for Use” apply to your project or Site.

9.1 Use of this Report by Others

Our report was prepared for the exclusive use of Mr. Preet Chohan/BLT Trucking (Client) and/or his designated parties. This report may be provided to regulatory agencies for review if requested or required. No other party may rely on the product of our services unless we agree in advance to such reliance in writing. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions. Within the limitations of scope, schedule and budget, our services have been executed in accordance with our Agreement with the Client and generally accepted environmental practices in this area at the time this report was prepared.

This report has been prepared for subsurface investigation activities at the Subject Property. ECI considered a number of unique, project-specific factors when establishing the scope of services for this project and report. No one except our Client should rely on this environmental report without first conferring with ECI. This report should not be applied for any purpose or project except the one originally contemplated.

Unless ECI specifically indicates otherwise, do not rely on this report if it was:

- Not prepared for you,
- Not prepared for your project,
- Not prepared for the specific site explored, or
- Completed before important site changes were made.

If important changes are made after the date of this report, ECI should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

9.2 Uncertainty May Remain after Completion of Site Investigation and Remedial Activities

The investigation and remediation activities completed in a portion of a site cannot wholly eliminate uncertainty regarding the potential for contamination in connection with the entire property. Our interpretation of subsurface conditions in this study is based on field observations and chemical analytical data from the locations sampled. It is always possible that contamination exists in areas that were not explored, sampled, or analyzed.

9.3 Subsurface Conditions Can Change

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the Site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability, or groundwater fluctuations. Always contact EcoCon before applying this report to determine if it is still applicable.

9.4 Soil and Groundwater End Use

The cleanup levels referenced in this report are Site- and situation-specific and could change with time due to regulatory or Site changes. The cleanup levels may not be applicable for other sites or for other on-site uses of the affected media (soil and/or groundwater).

Note that hazardous substances may be present in some of the Site soil and/or groundwater at detectable concentrations that are less than the referenced cleanup levels. Because these cleanup levels can change, ECI should be contacted to evaluate the potential for associated environmental liabilities prior to the export of soil or groundwater from the Subject Site or reuse of the affected media on the Site. We cannot be responsible for potential environmental liability arising out of the transfer of soil and/or groundwater from the Subject Site to another location or its reuse on the Site in instances that we were not aware of or could not control.

9.5 Most Environmental Findings Are Professional Opinions

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from the locations sampled at the Site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. EcoCon Inc. reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the Site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

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Figure 5: Q4 2021 Groundwater Analytical and Elevation Map

Figure 6: 2021 Boring Sample Location Map

Figure 7: Historical Groundwater Analytical Map

Figure 8: Historical Boring/Sample Location Map

Appendix B: Project Tables

Table 6: Summary of Historical Soil Analytical Results

Table 7: Summary of Historical Groundwater Analytical Results

Table 8: Summary of Monitoring Well Analytical Results

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Appendix C: Project Documentation

Field Sampling Forms

Boring Logs & Well Construction Details

Soil Disposal Receipts

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Laboratory Analytical Report

Sample Chain of Custody

Appendix A: Project Figures

Figure 1: Site Vicinity Map

Figure 2: Q1 2021 Groundwater Analytical and Elevation Map

Figure 3: Q2 2021 Groundwater Analytical and Elevation Map

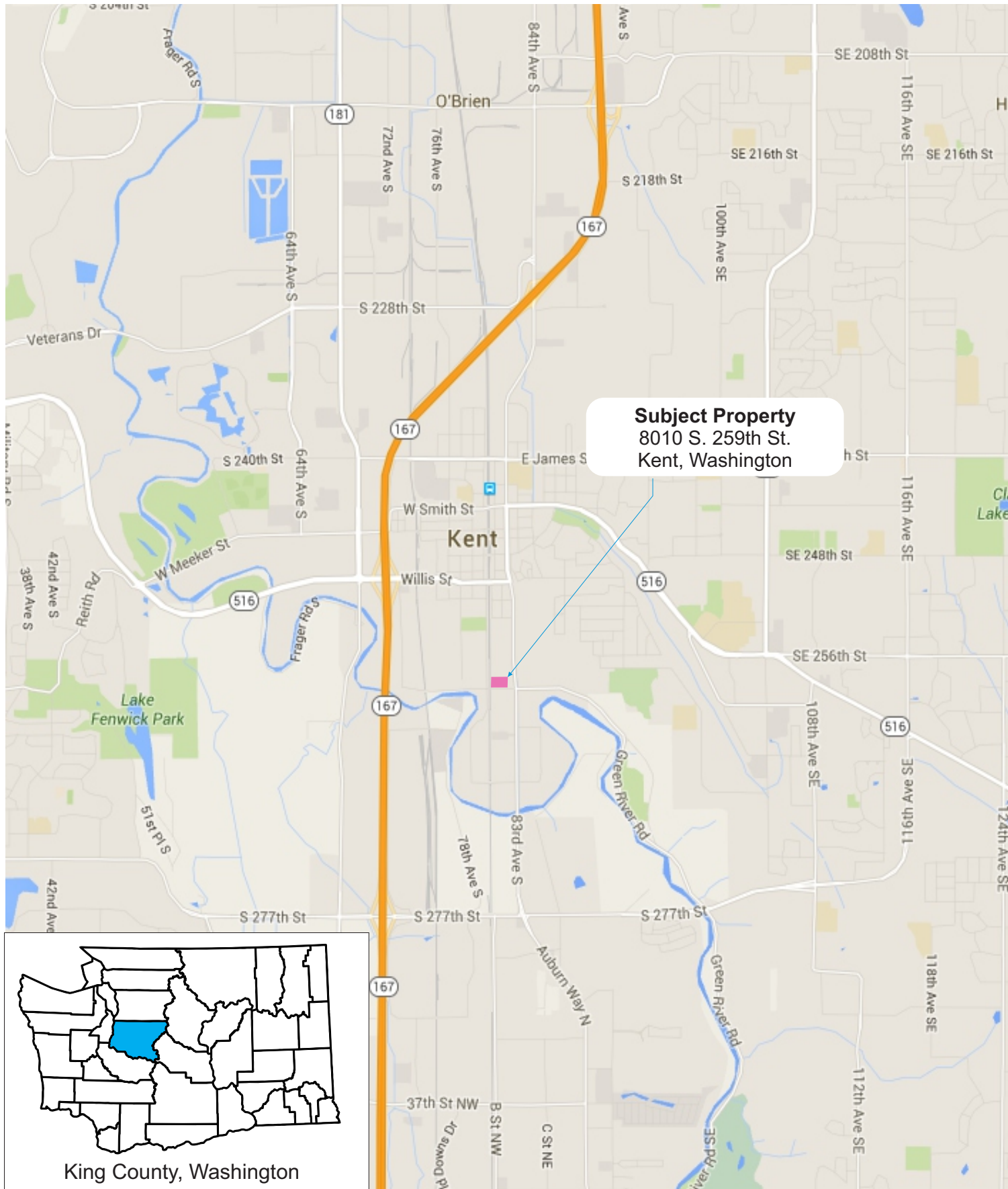
Figure 4: Q3 2021 Groundwater Analytical and Elevation Map

Figure 5: Q4 2021 Groundwater Analytical and Elevation Map

Figure 6: 2021 Boring Sample Location Map

Figure 7: Historical Groundwater Analytical Map

Figure 8: Historical Boring/Sample Location Map



Site Vicinity Map
FSI, Monitoring Well Installation
& Groundwater Monitoring Report
8010 South 259th Street
Kent, Washington

Date: February 10, 2022
Completed By: C.Long
Reviewed By: S.Spencer
Version: ECI-001
Project No.: 0611-01-03-02

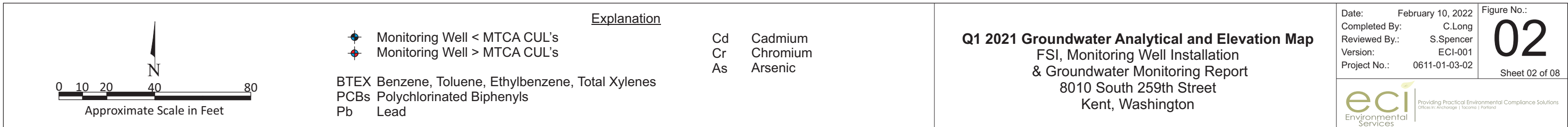
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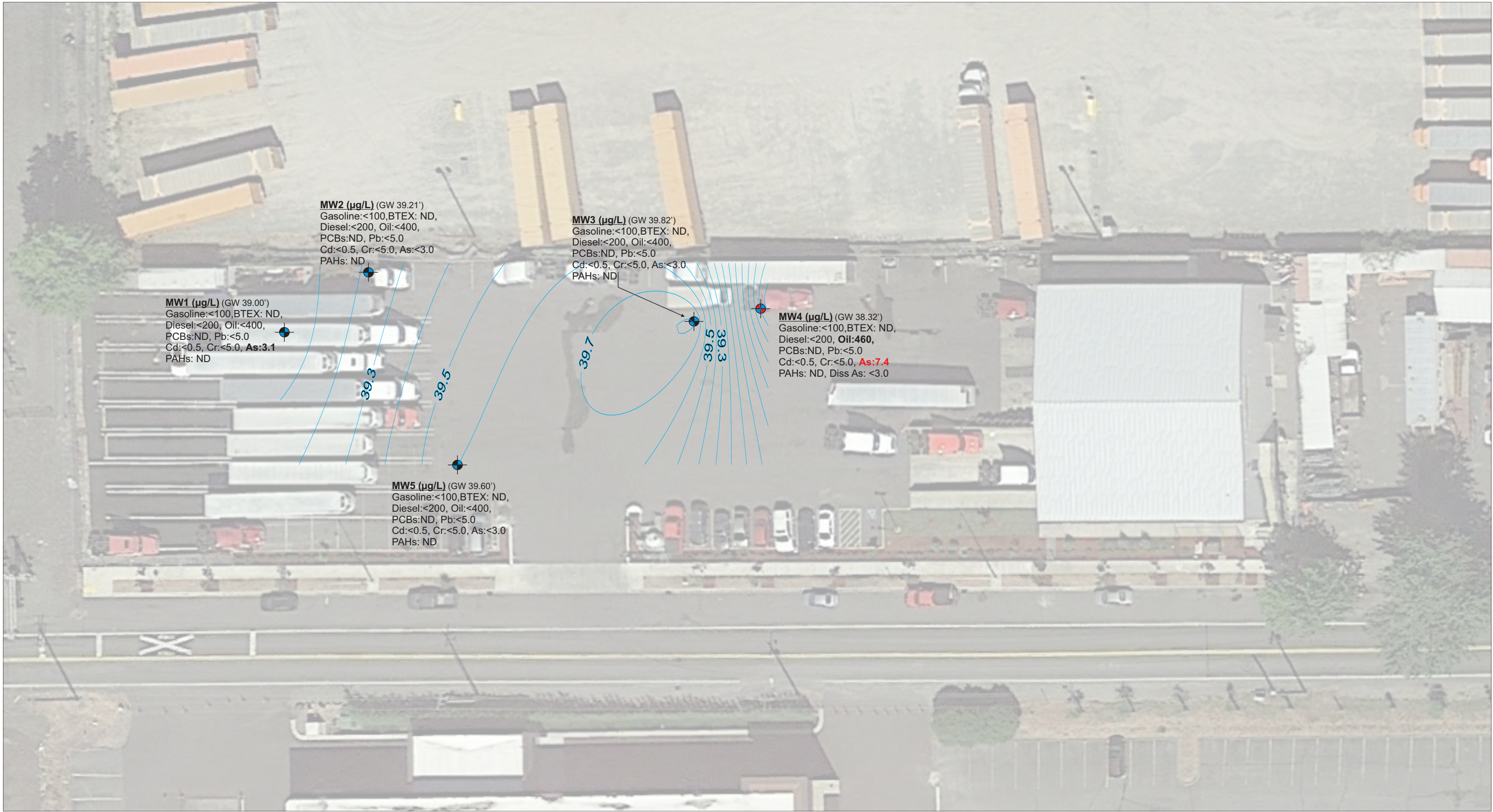
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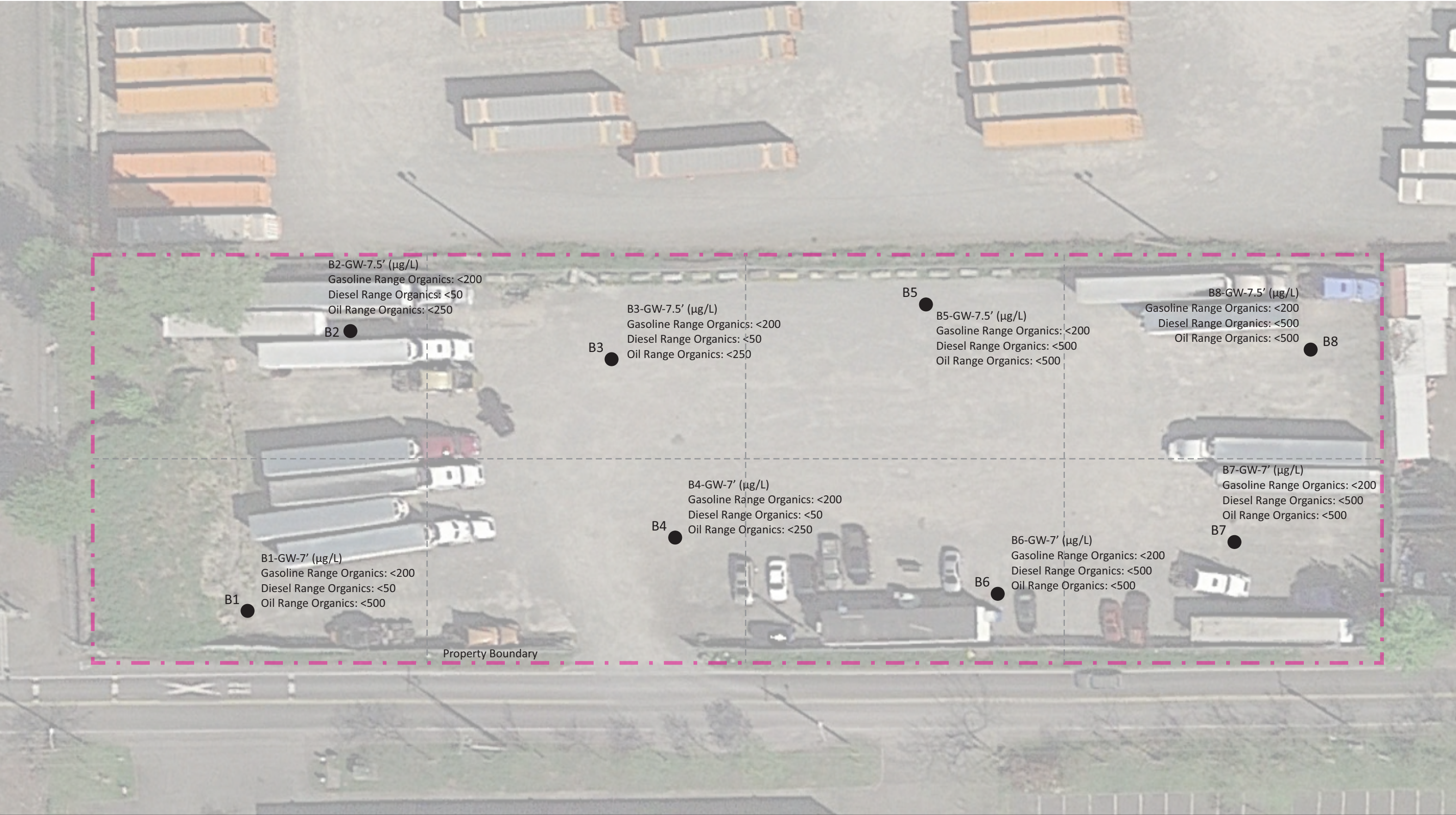
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N

0 15 30 60

Approximate Scale in Feet

Explanation

⊕ : Soil Boring Location	mg/Kg: milligram per kilogram
G: Gasoline Range Organics	ug/L: microgram per liter
D: Diesel Range Organics	ND: Not detected above laboratory reporting limit
HO: Heavy Oil Range Organics	

Historical Boring / Sample Location Map
FSI, Monitoring Well Installation
& Groundwater Monitoring Report
8010 South 259th Street
Kent, Washington

Date:	February 10, 2022	Figure No.:
Completed By:	C.Long	08
Reviewed By:	S.Spencer	
Version:	ECI-001	Sheet 08 of 08
Project No.:	0611-01-03-02	



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Appendix B: Project Tables

Table 6: Summary of Historical Soil Analytical Results

Table 7: Summary of Historical Groundwater Analytical Results

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Table 9: Summary of Groundwater Elevations

Appendix: B Project Tables

Table 1: Summary of Soil Analytical Results

Sample ID	Sample Depth (feet bgs)		Gasoline-Range Organics	Diesel-Range Organics	Oil-Range Organics	cPAHs	PCB Mixtures	cVOCs	Arsenic	Cadmium	Chromium (Total)	Chromium VI	Mercury	Lead
Sample Results in milligrams per kilogram (mg/kg)														
B1-2	2	5/16/2016	<20	<50	<250	--	--	--	--	--	--	--	--	--
B2-3	3	5/16/2016	<20	1,100	2,800	--	5.7	--	5.7	5.17	228	<0.548	<1	470
B3-3	3	5/16/2016	<20	730	2,100	--	--	--	--	--	--	--	--	--
B4-4	4	5/16/2016	<20	<50	<250	--	--	--	--	--	--	--	--	--
B5-3	3	5/16/2016	<20	680	1,900	--	--	--	--	--	--	--	--	--
B6-2	2	5/16/2016	<20	78	350	--	--	--	--	--	--	--	--	--
B7-2.5	2.5	5/16/2016	<20	<50	<250	--	--	--	--	--	--	--	--	--
B8-2	2	5/16/2016	<20	<50	<250	--	--	--	--	--	--	--	--	--
TP9-3	3	6/1/2016	--	<50	<250	--	--	--	6.14	<1	7.12	--	<1	22.7
TP10-3	3	6/1/2016	--	240x	970	--	--	--	--	--	--	--	--	--
TP10-6	6	6/1/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
TP11-3	3	6/1/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
TP12-3	3	6/1/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
TP13-3	3	6/1/2016	--	600x	1,500	--	--	--	--	--	--	--	--	--
TP13-6	6	6/1/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
TP14-3	3	6/1/2016	--	78	350	--	--	--	--	--	--	--	--	--
TP15-3	3	6/1/2016	--	260x	1,000	--	--	--	--	--	--	--	--	--
TP16-2.5	2.5	6/1/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
SP1-1	NA	6/15/2016	--	76	<250	--	--	--	--	--	--	--	--	--
SP1-2	NA	6/15/2016	--	230	800	--	2.1	--	5.71	1.74	188	--	<1	160
SP1-3	NA	6/15/2016	--	250	920	--	3.7	--	6.49	2.62	102	--	<1	262
SP1-4	NA	6/15/2016	--	280	970	--	0.99	--	4.95	<1	33.3	--	<1	85.8
SP1-5	NA	6/15/2016	--	21	660	--	--	--	--	--	--	--	--	--
SP1-6	NA	6/15/2016	--	89	840	--	0.71	--	5.63	1.04	206	--	<1	94.8
SP1-7	NA	6/15/2016	--	150	750	--	1.9	--	5.39	2.19	162	--	<1	224
SP1-8	NA	6/15/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
SP1-9	NA	6/15/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
SP1-10	NA	6/15/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
SP2-1	NA	6/16/2016	--	120	290	--	--	--	--	--	--	--	--	--
SP2-2	NA	6/16/2016	--	240	650	--	0.55	--	6.45	1.05	15.9	--	<1	102
SP2-3	NA	6/16/2016	--	82	<250	--	--	--	--	--	--	--	--	--
SP2-4	NA	6/16/2016	--	140	50	--	--	--	--	--	--	--	--	--
SP2-5	NA	6/16/2016	--	180	610	--	2.4	--	6.02	2.95	460	--	<1	293
SP2-6	NA	6/16/2016	--	440	1,100	--	1.9	--	4.6	2.51	62.2	--	<1	265
SP2-7	NA	6/16/2016	--	490	1,400	--	1	--	7.79	2.13	56.9	--	1.07	152
SP2-8	NA	6/16/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
SP2-9	NA	6/16/2016	--	1,400	3,200	--	--	--	--	--	--	--	--	--
SP2-10	NA	6/16/2016	--	380	1,100	--	5.4	--	5.26	4.23	198	--	1.99	443
SP3-Composite	NA	6/29/2016	--	96	<250	--	1.2	--	2.91	<1	11.8	--	<1	42.3
A1-WSW01-3	3	6/16/2016	--	280	1,100	--	4.9	--	7.2	4.79	253	--	<1	387
A1-NSW01-03	3	6/16/2016	--	640	1,800	--	7.8	--	6.92	4.5	651	--	1.22	393
A1-B04	4	6/16/2016	--	160	450	--	--	--	--	--	--	--	--	--
A2-NSW01-03	3	6/16/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
A2-B04	4	6/16/2016	--	<50	<250	--	--	--	--	--	--	--	--	--
A3-NSW01-03	3	6/16/2016	--	250	870	--	--	--	--	--	--	--	--	--
A3-B04	4	6/16/2016	--	520	1,400	--	3.1	--	5.14	3.64	162	--	1.58	388
A4-NSW01-03	3	6/16/2016	--	360	1,200	--	14	--	5.5	4.5	263	--	<1	604
A4-NSW02-03	3	6/29/2016	--	--	--	--	3.87	--	3.87	1.78	27.8	--	<1	198
A4-ESW01-03	3	6/16/2016	--	23	830	--	--	--	--	--	--	--	--	--
A4-B04	4	6/16/2016	--	360	1,200	--	2.4	--	4.72	3.13	290	--	1.24	297
Laboratory Method Reporting Limit			20	50	250	0.01	0.2	Varies	1	1	5	0.548	1	1
MTCA-A Industrial Cleanup Levels			100/30	2,000	2,000	2 ¹	10	Varies	20	2	2,000	19	2	1,000

Notes:

¹ : Total concentrations using the toxicity equivalency methodology in WAC 173-340-708 (8)

² : Cleanup Level for Chromium III

ND: Not detected above laboratory reporting limit

MTCA = Model Toxics Control Act

-- = not analyzed for this constituent

< = not detected above laboratory detection limits

* Ecology has not designated a MTCA Method A cleanup level for this constituent

Bold indicates a detected concentration that is below Ecology MTCA Method A Cleanup Levels

Bold Red indicates the detected concentration exceeds Ecology MTCA Method A Cleanup Levels

Well Number	Sample Depth (ft)	Date Sampled	Total Petroleum Hydrocarbons (µg/l)		
			Gasoline	Diesel	Heavy Oil
B1-GW-7	7	5/16/2016	<200	<50	<500
B2-GW-7.5	7.5	5/16/2016	<200	<50	<250
B3-GW-7.5	7.5	5/16/2016	<200	<50	<250
B4-GW-7	7	5/16/2016	<200	<50	<250
B5-GW-7.5	7.5	5/16/2016	<200	<500	<500
B6-GW-7	7	5/16/2016	<200	<500	<500
B7-GW-7	7	5/16/2016	<200	<500	<500
B8-GW-7.5	7.5	5/16/2016	<200	<500	<500
Laboratory Reporting Limit			200	50/500	250/500
MTCA Method A Cleanup Levels			800 ¹	500	500

Notes:

(µg/l) = micrograms per liter

-- Not analyzed for constituent

< Not detected above the laboratory reporting limit

Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level

Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

¹ TPH-Gasoline Cleanup Level with the presence of Benzene anywhere at the Site

Table 8 : Summary of Groundwater Analytical Results

BLT Trucking
8010 South 259th Street, Kent, WA 98032

Well Number	Date Sampled	Total Petroleum Hydrocarbons (µg/l)			Select Volatile Organic Compounds (µg/l)											
		Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCB	Lead	Cadmium	Chromium	Total Arsenic	Dissolved Arsenic	Mercury	PAH's
MW-1	3/30/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	6.4	<3.0	<0.1	ND
	6/15/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	5.9	18.0	<0.1	ND
	9/23/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	3.1	--	<0.1	ND
	11/17/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	6.5	--	<0.1	ND
MW-2	3/30/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	6.9	<3.0	<0.1	ND
	6/15/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	<3.0	--	<0.1	ND
	9/23/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	<3.0	--	<0.1	ND
	11/17/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	3.3	--	<0.1	ND
MW-3	3/30/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	3.4	--	<0.1	ND
	6/15/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	6.7	9.1	<0.1	ND
	9/23/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	<3.0	--	<0.1	ND
	11/17/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	<3.0	--	<0.1	ND
MW-4	3/30/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	<3.0	--	<0.1	ND
	6/15/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	4.3	--	<0.1	ND
	9/23/2021	<100	<200	460	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	7.4	<3.0	<0.1	ND
	11/17/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	19.0	--	<0.1	ND
MW-5	3/30/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	4.3	--	<0.1	ND
	6/15/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	17.0	23.0	<0.1	ND
	9/23/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	<3.0	--	<0.1	ND
	11/17/2021	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	ND	<5.0	<0.5	<5.0	<3.0	--	<0.1	ND
Laboratory Reporting Limit		100	200	400	1.0	2.0	1.0	2.0	Varies	5.00	0.5	5.0	3.0	3.0	0.1	Varies
MTCA Method A Cleanup Levels		800 ¹	500	500	5	1,000	700	1,000	Varies	15.000	41		5	5	2	Varies

Notes:

(µg/l) = micrograms per liter

-- Not analyzed for constituent

< Not detected above the laboratory reporting limit

Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level

Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

¹ TPH-Gasoline Cleanup Level with the presence of Benzene anywhere at the Site

Table 9 : Summary of Groundwater Elevations

BLT Trucking

8010 South 259th Street, Kent, WA 98032

Well	Elevation of TOC	Latitude/Longitude		Date of Measurement	Depth to Water (feet)	Groundwater Elevation (feet)	Change in Elevation (feet)
		Latitude	Longitude				
MW1	48.61	47.370435	-122.232376	03/30/21	7.08	41.53	--
				06/15/21	8.14	40.47	1.06
				09/23/21	9.61	39.00	1.47
				11/17/21	5.74	42.87	-3.87
MW2	48.86	47.370499	-122.232244	03/30/21	7.43	41.43	--
				06/15/21	8.41	40.45	0.98
				09/23/21	9.65	39.21	1.24
				11/17/21	6.77	42.09	-2.88
MW3	48.85	47.370440	-122.231744	03/30/21	7.35	41.50	--
				06/15/21	8.04	40.81	0.69
				09/23/21	9.03	39.82	0.99
				11/17/21	6.94	41.91	-2.09
MW4	48.62	47.370461	-122.231631	03/30/21	7.50	41.12	--
				06/15/21	8.50	40.12	1.00
				09/23/21	10.30	38.32	1.80
				11/17/21	7.68	40.94	-2.62
MW5	49.00	47.370296	-122.232105	03/30/21	7.41	41.59	--
				06/15/21	8.20	40.80	0.79
				09/23/21	9.40	39.60	1.20
				11/17/21	6.99	42.01	-2.41

Notes:

TOC = Top of casing elevation relative to assigned benchmark.

-- = Not measured, not available, or not applicable

Appendix C: Project Documentation

Field Sampling Forms

Boring Logs & Well Construction Details

Soil Disposal Receipts

Appendix: C Project Documentation

Date: 3/30/2021

Project Name: BLT Transport		Project No.: 0611-01-02-03		Well No.: MW1		
Field Personnel: SRB/CZL		Static Water Level: 7.08				
Water Level Measurement Method: E-Tape						
Time Start Purge: 10:36		Time End Purge: 10:51		Time Sampled: 10:52		
Measuring Point Description: TOC						
Purge Method: Low-Flow			Purge Depth: 1' from bottom			
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653		Casing Volume (gal)
	14.21	7.08	7.13	.0229		0.16
	Notes:					

Time	10:39	10:42	10:45	10:48	10:51			
Depth to Water (ft)	8.41	8.30	8.30	8.34	8.34			
Volume Purged (mL)	600	1,200	1,800	2,400	3,000			
pH (+/-0.1)	6.65	6.57	6.54	6.55	6.56			
Temperature C. (+/- 1.0)	11.27	11.35	11.30	11.30	11.23			
Conductivity mS/cm (3%)	0.343	0.338	0.337	0.339	0.341			
Turbidity (<10)	47.51	41.61	21.05	9.59	7.71			
DO (+/- 0.3)	2.97	1.76	1.03	0.87	0.75			
ORP (+/- 10)	100.6	98.3	94.8	92.9	92.3			
Color	Clear	Clear	Clear	Clear	Clear			
Odor/Sheen	None	None	None	None	None			

Comments: Stopped sampling @11:10-turbidity (water cloudy). Checked turbidity, 34.87. After 2 minutes turbidity 9.09. Resumed Sampling						
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):		
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____						
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____						
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____						
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)	
Total Discharge (gal):			Disposal Method: Drum Designation(s)/Volume:			
WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)						
Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock): YES / NO Well Casing: YES / NO						
Inside of Well Head and Outer Casing Dry: YES / NO						
Comments:						

Date: 3/30/2021

Project Name: BLT Transport		Project No.: 0611-01-02-03		Well No.: MW2		
Field Personnel: SRB/CZL		Static Water Level: 7.43				
Water Level Measurement Method: E-Tape						
Time Start Purge: 13:04		Time End Purge: 13:22		Time Sampled: 13:23		
Measuring Point Description: TOC						
Purge Method: Low-Flow		Purge Depth: 1' from bottom				
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653		Casing Volume (gal)
	14.19	7.43	6.76	.0229		0.15
	Notes:					

Time	13:07	13:10	13:13	13:16	13:19	13:22		
Depth to Water (ft)	7.80	7.80	7.70	7.70	7.70	7.70		
Volume Purged (mL)	600	1,200	1,800	2,400	3,000	3,600		
pH (+/-0.1)	6.53	6.43	6.47	6.48	6.50	6.50		
Temperature C. (+/- 1.0)	12.13	11.95	11.90	11.90	11.98	11.98		
Conductivity mS/cm (3%)	0.560	0.564	0.564	0.564	0.562	0.562		
Turbidity (<10)	110	58	24.84	14.48	10.97	7.22		
DO (+/- 0.3)	1.27	0.88	0.82	0.76	0.68	0.61		
ORP (+/- 10)	86.5	86.3	85.3	83.4	81.9	81.3		
Color	Cloudy	Cloudy	Cloudy	Clear	Clear	Clear		
Odor/Sheen	None	None	None	None	None	None		

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
Total Discharge (gal):		Disposal Method: Drum Designation(s)/Volume:			
WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)					
Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock): YES / NO Well Casing: YES / NO					
Inside of Well Head and Outer Casing Dry: YES / NO					
Comments:					

Date: 3/30/2021

Project Name: BLT Transport		Project No.: 0611-01-03-02		Well No.: MW3		
Field Personnel: SRB/CZL		Static Water Level: 7.35				
Water Level Measurement Method: E-Tape						
Time Start Purge: 12:27		Time End Purge: 12:45		Time Sampled: 12:46		
Measuring Point Description: TOC						
Purge Method: Low-Flow		Purge Depth: 1' from bottom				
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653		Casing Volume (gal)
	13.67	7.35	6.32	.0229		.15
	Notes:					

Time	12:30	12:33	12:36	12:39	12:42	12:45		
Depth to Water (ft)	7.43	7.45	7.45	7.45	7.45	7.45		
Volume Purged (mL)	600	1,200	1,800	2,400	3,000	3,600		
pH (+/-0.1)	7.16	7.10	7.06	7.05	7.04	7.01		
Temperature C. (+/- 1.0)	10.85	10.56	10.61	10.63	10.57	10.56		
Conductivity mS/cm (3%)	0.464	0.461	0.458	0.457	0.455	0.454		
Turbidity (<10)	2.58	3.41	0.33	2.41	0.01	2.89		
DO (+/- 0.3)	3.30	1.26	0.85	0.77	0.65	0.58		
ORP (+/- 10)	120.1	110.8	102.5	97.7	90.0	88.6		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Odor/Sheen	Odor	Odor	Odor	Odor	Odor	Odor		

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
Total Discharge (gal):		Disposal Method: Drum Designation(s)/Volume:			
WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)					
Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock): YES / NO Well Casing: YES / NO					
Inside of Well Head and Outer Casing Dry: YES / NO					
Comments:					

Date: 3/30/2021

Project Name: BLT Transport		Project No.: 0611-01-03-02		Well No.: MW4		
Field Personnel: SRB/CZL		Static Water Level: 7.50				
Water Level Measurement Method: E-Tape						
Time Start Purge: 11:34		Time End Purge: 11:49		Time Sampled: 11:50		
Measuring Point Description: TOC						
Purge Method: Low-Flow		Purge Depth: 1' from bottom				
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653		Casing Volume (gal)
	14.20	7.50	6.70	.0229		0.15
	Notes:					

Time	11:37	11:40	11:43	11:46	11:49			
Depth to Water (ft)	8.8	8.5	8.5	8.48	8.48			
Volume Purged (mL)	600	1,200	1,800	2,400	3,000			
pH (+/-0.1)	6.92	6.91	6.90	6.91	6.92			
Temperature C. (+/- 1.0)	10.68	10.90	10.92	10.85	10.93			
Conductivity mS/cm (3%)	0.496	0.494	0.495	0.496	0.496			
Turbidity (<10)	5.84	1.86	0.00	0.00	4.25			
DO (+/- 0.3)	1.40	1.05	0.85	0.71	0.67			
ORP (+/- 10)	97.2	95.4	93.1	90.0	87.5			
Color	Clear	Clear	Clear	Clear	Clear			
Odor/Sheen	Odor	Odor	Odor	Odor	Odor			

Comments: Faint Odor.					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
Total Discharge (gal):		Disposal Method:		Drum Designation(s)/Volume:	
WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)					
Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock): YES / NO Well Casing: YES / NO					
Inside of Well Head and Outer Casing Dry: YES / NO					
Comments:					

Date: 3/30/2021

Project Name: BLT Transport		Project No.: 0611-01-03-02		Well No.: MW5		
Field Personnel: SRB/CZL		Static Water Level: 7.41				
Water Level Measurement Method: E-Tape						
Time Start Purge: 09:42		Time End Purge: 10:00		Time Sampled: 10:01		
Measuring Point Description: TOC						
Purge Method: Low-Flow		Purge Depth: 1' from bottom				
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653		Casing Volume (gal)
	13.71	7.41	6.30	.0229		0.14
	Notes:					

Time	09:45	09:48	09:51	09:54	09:57	10:00		
Depth to Water (ft)	7.92	7.95	8.00	8.00	8.00	8.00		
Volume Purged (mL)	600	1,200	1,800	2,400	3,000	3,600		
pH (+/-0.1)	6.09	6.25	6.34	6.39	6.44	6.45		
Temperature C. (+/- 1.0)	11.70	11.81	11.84	11.89	11.90	11.94		
Conductivity mS/cm (3%)	0.488	0.483	0.482	0.481	0.481	0.480		
Turbidity (<10)	3.42	0.00	0.00	0.00	0.00	0.00		
DO (+/- 0.3)	1.49	1.01	0.83	0.73	0.70	0.67		
ORP (+/- 10)	130.8	132.4	129.5	126.6	120.2	119.0		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Odor/Sheen	None	None	None	None	None	None		

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
Total Discharge (gal):		Disposal Method: Drum Designation(s)/Volume:			
WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)					
Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock): YES / NO Well Casing: YES / NO					
Inside of Well Head and Outer Casing Dry: YES / NO					
Comments:					

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW1		Date: 6/15/21	
Field Personnel: SRB/CZL		Static Water Level: 8.14					
Water Level Measurement Method: E-Tape							
Time Start Purge: 11:15		Time End Purge: 11:33		Time Sampled: 11:35			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.36	8.41	5.95	.0229			0.14
	Notes:						

Time	11:18	11:21	11:24	11:27	11:30	11:33		
Depth to Water (ft)	9.95	9.32	9.10	9.40	9.27	9.32		
Volume Purged (mL)	300	600	900	1200	1500	1800		
pH (+/-0.1)	6.80	6.79	6.78	6.78	6.76	6.77		
Temperature C. (+/- 1.0)	13.99	14.10	14.34	14.34	14.14	14.16		
Conductivity uS/cm (3%)	262	265	268	270	275	275		
Turbidity (<10)	69	74	41.62	28.21	7.03	4.94		
DO (+/- 0.3)	2.00	1.08	0.87	0.58	0.40	0.31		
ORP (+/- 10)	-5.6	-3.3	-0.7	2.2	3.6	4.6		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Odor/Sheen	None	None	None	None	None	None		

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW2		Date: 6/15/21	
Field Personnel: SRB/CZL		Static Water Level: 8.41					
Water Level Measurement Method: E-Tape							
Time Start Purge: 12:12		Time End Purge: 12:27		Time Sampled: 12:28			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.25	8.14	6.11	.0229			0.14
	Notes:						

Time	12:15	12:18	12:21	12:24	12:27			
Depth to Water (ft)	8.85	8.89	8.82	8.84	8.85			
Volume Purged (mL)	300	600	900	1200	1500			
pH (+/-0.1)	6.87	6.89	6.88	6.88	6.88			
Temperature C. (+/- 1.0)	13.81	13.88	13.93	13.91	13.90			
Conductivity uS/cm (3%)	271	274	274	274	274			
Turbidity (<10)	55	5.93	3.67	1.98	0.87			
DO (+/- 0.3)	1.29	0.39	0.35	0.37	0.39			
ORP (+/- 10)	66.6	59.1	57.3	56.5	56.2			
Color	Clear	Clear	Clear	Clear	Clear			
Odor/Sheen	None	None	None	None	None			

Comments: This well has poor recharge, did not allow for time for stabilization of parameters.					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW3		Date: 6/15/21	
Field Personnel: SRB/CZL		Static Water Level: 8.04					
Water Level Measurement Method: E-Tape							
Time Start Purge: 10:55		Time End Purge: 11:10		Time Sampled: 11:11			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.45	8.04	6.41	.0229			.15
	Notes:						

Time	10:58	11:01	11:04	11:07	11:10			
Depth to Water (ft)	8.22	8.20	8.20	8.20	8.20			
Volume Purged (mL)	300	600	900	1200	1500			
pH (+/-0.1)	7.15	7.22	7.25	7.26	7.26			
Temperature C. (+/- 1.0)	16.67	16.90	17.04	17.16	17.24			
Conductivity uS/cm (3%)	226	226	228	228	228			
Turbidity (<10)	6.81	4.11	5.84	0.93	0.58			
DO (+/- 0.3)	0.80	0.21	0.11	0.10	0.15			
ORP (+/- 10)	-8.8	-55.3	-69.9	-82.8	-96.6			
Color	Clear	Clear	Clear	Clear	Clear			
Odor/Sheen	Odor	Odor	Odor	Odor	Odor			

Comments: Chemical odor					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW4		Date: 6/15/21	
Field Personnel: SRB/CZL		Static Water Level: 8.50					
Water Level Measurement Method: E-Tape							
Time Start Purge: 10:08		Time End Purge: 10:26		Time Sampled: 10:27			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.39	8.50	5.89	.0229			0.13
	Notes:						

Time	10:11	10:14	10:17	10:20	10:23	10:26		
Depth to Water (ft)	10.08	9.45	9.42	9.43	9.41	9.42		
Volume Purged (mL)	300	600	900	1200	1500	1800		
pH (+/-0.1)	6.91	6.93	6.98	7.06	7.12	7.15		
Temperature C. (+/- 1.0)	16.65	16.43	16.66	16.45	16.34	16.35		
Conductivity uS/cm (3%)	281	280	280	279	279	279		
Turbidity (<10)	10.76	6.25	6.20	3.81	4.35	5.26		
DO (+/- 0.3)	0.67	0.66	0.62	0.83	0.67	0.64		
ORP (+/- 10)	27.6	14.3	3.0	-10.3	-17.9	-24.3		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Odor/Sheen	Odor	Odor	Odor	Odor	Odor	Odor		

Comments: Chemical odor					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW5		Date: 6/15/21	
Field Personnel: SRB/CZL		Static Water Level: 8.20					
Water Level Measurement Method: E-Tape							
Time Start Purge: 09:19		Time End Purge: 09:31		Time Sampled: 09:35			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.41	8.20	6.21	.0229			0.14
	Notes:						

Time	09:22	09:25	09:28	09:31				
Depth to Water (ft)	8.50	8.50	8.50	8.50				
Volume Purged (mL)	300	600	900	1200				
pH (+/-0.1)	6.53	6.67	6.70	6.71				
Temperature C. (+/- 1.0)	16.75	16.80	16.87	16.86				
Conductivity uS/cm (3%)	405	404	405	404				
Turbidity (<10)	9.39	3.71	3.61	2.46				
DO (+/- 0.3)	1.61	0.59	0.50	0.41				
ORP (+/- 10)	153.3	141.4	144.2	140.2				
Color	Clear	Clear	Clear	Clear				
Odor/Sheen	None	None	None	None				

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW1		Date: 9/23/21	
Field Personnel: CZL		Static Water Level: 9.61					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1420		Time End Purge: 1432		Time Sampled: 1435			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.36	9.61	4.75	.0229			0.33
	Notes:						

Time	1423	1426	1429	1432				
Depth to Water (ft)	9.75	9.75	9.75	9.75				
Volume Purged (mL)	300	600	900	1200				
pH (+/-0.1)	6.83	6.82	6.81	6.81				
Temperature C. (+/- 1.0)	20.13	18.81	18.35	18.12				
Conductivity uS/cm (3%)	482	493	494	497				
Turbidity (<10)	78.3	43.6	77.0	47.4				
DO (+/- 0.3)	0.98	0.49	0.27	0.40				
ORP (+/- 10)	8	5	-1	-5				
Color	Clear	Clear	Clear	Clear				
Odor/Sheen	None	None	None	None				

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW1	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW2		Date: 9/23/21	
Field Personnel: CZL		Static Water Level: 9.65					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1240		Time End Purge: 1252		Time Sampled: 1255			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.25	9.65		.0229			
	Notes:						

Time	1243	1246	1249	1252				
Depth to Water (ft)	10.10	10.10	10.10	10.10				
Volume Purged (mL)	300	600	900	1200				
pH (+/-0.1)	6.80	6.79	6.77	6.81				
Temperature C. (+/- 1.0)	19.81	19.59	19.49	19.25				
Conductivity uS/cm (3%)	508	511	541	533				
Turbidity (<10)	41.9	118	31.6	21.8				
DO (+/- 0.3)	0.23	0.06	0.00	0.00				
ORP (+/- 10)	9	6	3	1				
Color	Clear	Clear	Clear	Clear				
Odor/Sheen	None	None	None	None				

Comments: This well has poor recharge, did not allow for time for stabilization of parameters.					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW2	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES	/	NO	Well Casing:	YES	/	NO
Inside of Well Head and Outer Casing Dry:	YES	/	NO				
Comments:							

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW3		Date: 9/23/21	
Field Personnel: SRB/CZL		Static Water Level: 9.03					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1150		Time End Purge: 1202		Time Sampled: 1210			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.45	9.03		.0229			
	Notes:						

Time	1153	1156	1159	1202				
Depth to Water (ft)	9.10	9.10	9.10	9.10				
Volume Purged (mL)	300	600	900	1200				
pH (+/-0.1)	7.18	7.21	7.21	7.21				
Temperature C. (+/- 1.0)	24.54	23.81	23.58	23.31				
Conductivity uS/cm (3%)	197	194	193	195				
Turbidity (<10)	19	15.3	13.7	12.6				
DO (+/- 0.3)	0.40	0.00	0.00	0.00				
ORP (+/- 10)	-23	-76	-90	-101				
Color	Clear	Clear	Clear	Clear				
Odor/Sheen	Odor	Odor	Odor	Odor				

Comments: Chemical odor					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW3	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES	/	NO	Well Casing:	YES	/	NO
Inside of Well Head and Outer Casing Dry:	YES	/	NO				
Comments:							

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW4		Date: 9/23/21	
Field Personnel: SRB/CZL		Static Water Level: 10.30					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1340		Time End Purge: 1352		Time Sampled: 1355			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.39	10.30		.0229			
	Notes:						

Time	1343	1346	1349	1352				
Depth to Water (ft)	10.51	10.51	10.60	10.60				
Volume Purged (mL)	300	600	900	1200				
pH (+/-0.1)	6.90	6.92	6.92	6.92				
Temperature C. (+/- 1.0)	21.22	21.39	21.43	21.55				
Conductivity uS/cm (3%)	392	386	383	390				
Turbidity (<10)	62.5	68.6	57.1	46.7				
DO (+/- 0.3)	0.34	0.00	0.00	0.00				
ORP (+/- 10)	-17	-56	-61	-72				
Color	Clear	Clear	Clear	Clear				
Odor/Sheen	Odor	Odor	Odor	Odor				

Comments: Chemical odor					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW4	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW5		Date: 9/23/21	
Field Personnel: CZL		Static Water Level: 9.40					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1030		Time End Purge: 1048		Time Sampled: 1050			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.41	9.40		.0229			
	Notes:						

Time	1033	1036	1039	1042	1045	1048		
Depth to Water (ft)	9.60	9.60	9.60	9.60	9.60	9.60		
Volume Purged (mL)	300	600	900	1200	1500	1800		
pH (+/-0.1)	6.12	6.71	6.71	6.71	6.71	6.71		
Temperature C. (+/- 1.0)	21.30	21.02	21.03	20.86	21.02	21.13		
Conductivity uS/cm (3%)	692	73	725	741	735	744		
Turbidity (<10)	14.4	8.3	.2	6.0	6.1	6.6		
DO (+/- 0.3)	1.52	0.59	0.42	1.80	1.60	1.51		
ORP (+/- 10)	106	95	87	78	74	68		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Odor/Sheen	None	None	None	None	None	None		

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW5	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW1		Date: 11/17/21	
Field Personnel: CZL		Static Water Level: 5.74					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1230		Time End Purge: 1245		Time Sampled: 1250			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.36	5.74	8.62	.0229			0.20
	Notes:						

Time	1233	1236	1239	1242	1245			
Depth to Water (ft)	--	--	--	--	--			
Volume Purged (mL)	300	600	900	1200	1500			
pH (+/-0.1)	7.63	7.00	6.53	6.48	6.43			
Temperature C. (+/- 1.0)	13.3	14.1	14.3	14.0	13.8			
Conductivity uS/cm (3%)	552	557	556	578	581			
Turbidity (<10)	100.82	101.73	137.12	22.05	12.59			
DO (+/- 0.3)	30.3	13.0	9.8	8.6	7.5			
ORP (+/- 10)	31.2	47.2	43.0	39.5	36.9			
Color	Clear	Clear	Clear	Clear	Clear			
Odor/Sheen	None	None	None	None	None			

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW1	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW2		Date: 11/17/21	
Field Personnel: CZL		Static Water Level: 6.77					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1327		Time End Purge: 1339		Time Sampled: 1340			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.25	6.77	7.48	.0229			0.17
	Notes:						

Time	1330	1333	1336	1339				
Depth to Water (ft)	--	--	--	--				
Volume Purged (mL)	300	600	900	1200				
pH (+/-0.1)	7.72	7.63	7.56	7.53				
Temperature C. (+/- 1.0)	14.2	14.3	14.5	14.6				
Conductivity uS/cm (3%)	127.5	123.0	118.8	120.8				
Turbidity (<10)	52.93	36.45	23.46	16.26				
DO (+/- 0.3)	15.7	11.3	8.9	8.4				
ORP (+/- 10)	25.4	29.3	34.3	35.7				
Color	Clear	Clear	Clear	Clear				
Odor/Sheen	None	None	None	None				

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW2	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW3		Date: 11/17/21	
Field Personnel: CZL		Static Water Level: 6.95					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1017		Time End Purge: 1029		Time Sampled: 1030			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.45	6.95	7.50	.0229			0.17
	Notes:						

Time	1017	1023	1026	1029				
Depth to Water (ft)	--	--	--	--				
Volume Purged (mL)	300	600	900	1200				
pH (+/-0.1)	8.01	7.78	7.70	7.69				
Temperature C. (+/- 1.0)	11.5	12.0	11.9	11.9				
Conductivity uS/cm (3%)	144.4	148.9	149.6	150.1				
Turbidity (<10)	5.86	4.44	3.76	3.51				
DO (+/- 0.3)	24.8	12.0	10.6	9.8				
ORP (+/- 10)	-46.1	-43.7	.52.0	-59.5				
Color	Clear	Clear	Clear	Clear				
Odor/Sheen	None	None	None	None				

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW3	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW4		Date: 11/17/21	
Field Personnel: CZL		Static Water Level: 7.68					
Water Level Measurement Method: E-Tape							
Time Start Purge: 0935		0953		1000			
Measuring Point Description: TOC							
Purge Method: Low-Flow			Purge Depth: 1' from bottom				
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.39	7.68	6.71	.0229			0.15
	Notes:						

Time	0938	0941	0944	0947	0950	0953		
Depth to Water (ft)	--	--	--	--	--	--		
Volume Purged (mL)	300	600	900	1200	1500	1800		
pH (+/-0.1)	7.36	7.33	7.33	7.33	7.31	7.31		
Temperature C. (+/- 1.0)	11.8	12.0	11.7	11.9	12.0	12.4		
Conductivity uS/cm (3%)	186	189.8	190.9	192.3	191.0	192.2		
Turbidity (<10)	11.61	12.68	5..70	5.54	3.68	5.61		
DO (+/- 0.3)	61.5	49.0	26.8	18.9	17.1	16.2		
ORP (+/- 10)	102.7	85.0	43.0	13.8	-1.5	-15.8		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Odor/Sheen	None	None	None	None	None	None		

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW4	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

Project Name: BLT Trucking		Project No.: 0611-01-03-02		Well No.: MW5		Date: 11/17/21	
Field Personnel: CZL		Static Water Level: 6.99					
Water Level Measurement Method: E-Tape							
Time Start Purge: 1128		Time End Purge: 1143		Time Sampled: 1145			
Measuring Point Description: TOC							
Purge Method: Low-Flow		Purge Depth: 1' from bottom					
Well Volume Calculation (Fill in before purging)	Total Depth (ft)	Depth to Water (ft)	Water Column (ft)	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)
	14.41	6.99	7.42	.0229			0.17
	Notes:						

Time	1131	1134	1137	1140	1143			
Depth to Water (ft)	--	--	--	--	--			
Volume Purged (mL)	300	600	900	1200	1500			
pH (+/-0.1)	7.34	7.25	7.18	7.14	7.10			
Temperature C. (+/- 1.0)	14.3	14.3	14.4	14.5	14.6			
Conductivity uS/cm (3%)	393.3	403.0	405.6	403.6	405.0			
Turbidity (<10)	19.41	15.28	8.66	8.22	6.03			
DO (+/- 0.3)	18.6	14.1	10.1	8.9	7.8			
ORP (+/- 10)	11.3	9.6	4.0	0.1	-3.2			
Color	Clear	Clear	Clear	Clear	Clear			
Odor/Sheen	None	None	None	None	None			

Comments:					
Percent Recovery:		Depth to Water at Sampling (ft):		Note(s):	
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sampling / Field Equipment (Manufacture / Model / Last Calibration): _____ / _____ / _____					
Sample No.	Sample Quantity	Container Type 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Poly	Preservative / Field Filtered (FF)	Analysis Request	Visual Observation (Clear, Cloudy, Silty, Etc.)
MW5	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly	NHO3	DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 Metals	Clear

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments)

Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock):	YES / NO	Well Casing:	YES / NO
Inside of Well Head and Outer Casing Dry:	YES / NO		
Comments:			

 Practical Environmental Compliance Solutions Offices in: Anchorage Tacoma Portland		Project: 0611-01-03		Boring ID: B9/MW-1				
		Location: 800 South 259th St Kent, WA		Project Number: 0611-01-03				
		Client: BLT Trucking						
Date Start/Finish:	3/16/2021		Drilling Method:	DPT				
Logged By:	C. McFadden		Auger ID/OD:	--				
Checked By:	C. McFadden		Borehole ID/OD:	3 inches				
Contractor:	Standard Environmental Probe		Sampler:	Macrocore				
Operator:	Russell		Hammer Wt./Fall:	--				
Boring Location:	See Map		Ground Elevation:	--				
Coordinates:	--		Water Depth:	8 feet				
Weather:	Clear - 35 degrees Fahrenheit		Boring Depth:	15 feet				
NON-COHESIVE SOILS GW WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL GP POORLY-GRADED GRAVEL GM SILTY GRAVEL GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND SP POORLY-GRADED SAND SM SILTY SAND SC CLAYEY SAND COHESIVE SOILS ML SILT CL CLAY OL ORGANIC SILT, ORGANIC CLAY MH SILT OF HIGH PLASTICITY, ELASTIC SILT CH CLAY OF HIGH PLASTICITY, FAT CLAY OH ORGANIC CLAY, ORGANIC SILT PT PEAT								
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail	
0					Asphalt Surface			Monument
1			0.0		Silty Sand with gravel; brown; damp, mostly fine sand with some silt and minor gravel; no odor	SM		Bentonite
2								
3	B-9:3	9:36				ML		Sand
4								
5								
6								
7	B-9:8	9:46			Increased Sand content; wet; no odor	ML		
8								
9					Poorly-graded Sand; brown; wet; fine sand; no odor	SP		
10								
11								
12					Silt; gray; medium plasticity; low dilatancy; no odor	MC		
13								
14								
15	B-9:15	9:55						
16					Termination of borehole			
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Notes:

Well Tag ID: BNN691 - MW-1; Screen 5-15'; 0.010" Slot; Sand 3-15', Bentonite 1-3'

 Practical Environmental Compliance Solutions Offices In: Anchorage Tacoma Portland					Project: 0611-01-03		Boring ID: B10																																																																																																																																																																																		
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Date Start/Finish: 3/16/2021		Drilling Method: DPT		Unified Soil Classification System NON-COHESIVE SOILS GW WELL-GRADED GRAVEL, FINE TO COARSE GP POORLY-GRADED GRAVEL GM SILTY GRAVEL GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND SP POORLY-GRADED SAND SM SILTY SAND SC CLAYEY SAND COHESIVE SOILS ML SILT CL CLAY OL ORGANIC SILT, ORGANIC CLAY MH SILT OF HIGH PLASTICITY, ELASTIC SILT CH CLAY OF HIGH PLASTICITY, FAT CLAY OH ORGANIC CLAY, ORGANIC SILT PT PEAT																																																																																																																																																																																					
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Operator: Russell		Hammer Wt./Fall: --																																																																																																																																																																																							
Boring Location: See Map		Ground Elevation: --																																																																																																																																																																																							
Coordinates: --		Water Depth: 8 feet																																																																																																																																																																																							
Weather: Clear - 35 degrees Fahrenheit		Boring Depth: 15 feet																																																																																																																																																																																							
<table border="1"> <thead> <tr> <th>Depth (ft bgs)</th> <th>Sample No.</th> <th>Time</th> <th>PID Reading</th> <th>Remarks: Odor, Sheen, Etc</th> <th>Soil and Rock Description</th> <th>Unified Classification</th> </tr> </thead> <tbody> <tr> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>Asphalt Surface</td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="4">Silty Sand; brown; damp; mostly fine to medium sand with some silt and minor gravel; no odor</td> <td rowspan="4">SM</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>B-10:4</td> <td>10:40</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="3">Poorly-graded Sand with silt; brown; damp; no odor; mostly fine sand with few silt</td> <td rowspan="3">SP-SM</td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>B-10:8</td> <td>10:45</td> <td></td> <td></td> <td rowspan="4">Wet; poorly-graded sand; brown; wet; no odor</td> <td rowspan="4">SP</td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="4">Sandy Silt; gray; wet; no odor</td> <td rowspan="4">ML</td> </tr> <tr> <td>13</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>14</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>15</td> <td>B-10:15</td> <td>10:46</td> <td></td> <td></td> </tr> <tr> <td>16</td> <td></td> <td></td> <td></td> <td></td> <td>Termination of borehole</td> <td rowspan="15"></td> </tr> <tr><td>17</td><td></td><td></td><td></td><td></td></tr> <tr><td>18</td><td></td><td></td><td></td><td></td></tr> <tr><td>19</td><td></td><td></td><td></td><td></td></tr> <tr><td>20</td><td></td><td></td><td></td><td></td></tr> <tr><td>21</td><td></td><td></td><td></td><td></td></tr> <tr><td>22</td><td></td><td></td><td></td><td></td></tr> <tr><td>23</td><td></td><td></td><td></td><td></td></tr> <tr><td>24</td><td></td><td></td><td></td><td></td></tr> <tr><td>25</td><td></td><td></td><td></td><td></td></tr> <tr><td>26</td><td></td><td></td><td></td><td></td></tr> <tr><td>27</td><td></td><td></td><td></td><td></td></tr> <tr><td>28</td><td></td><td></td><td></td><td></td></tr> <tr><td>29</td><td></td><td></td><td></td><td></td></tr> <tr><td>30</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	0					Asphalt Surface		1					Silty Sand; brown; damp; mostly fine to medium sand with some silt and minor gravel; no odor	SM	2					3					4	B-10:4	10:40			5					Poorly-graded Sand with silt; brown; damp; no odor; mostly fine sand with few silt	SP-SM	6					7					8	B-10:8	10:45			Wet; poorly-graded sand; brown; wet; no odor	SP	9					10					11					12					Sandy Silt; gray; wet; no odor	ML	13					14					15	B-10:15	10:46			16					Termination of borehole		17					18					19					20					21					22					23					24					25					26					27					28					29					30								
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 Practical Environmental Compliance Solutions Offices in: Anchorage Tacoma Portland		Project: 0611-01-03		Boring ID: B11/MW2																																		
		Location: 800 South 259th St Kent, WA		Project Number: 0611-01-03																																		
		Client: BLT Trucking																																				
Date Start/Finish: 3/16/2021		Drilling Method: DPT		Unified Soil Classification System <table border="0"> <tr> <td rowspan="5">NON-COHESIVE SOILS</td> <td>GW</td> <td>WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL</td> </tr> <tr> <td>GP</td> <td>POORLY-GRADED GRAVEL</td> </tr> <tr> <td>GM</td> <td>SILTY GRAVEL</td> </tr> <tr> <td>GC</td> <td>CLAYEY GRAVEL</td> </tr> <tr> <td>SW</td> <td>WELL-GRADED SAND, FINE TO COARSE SAND</td> </tr> <tr> <td rowspan="5">COHESIVE SOILS</td> <td>SP</td> <td>POORLY-GRADED SAND</td> </tr> <tr> <td>SM</td> <td>SILTY SAND</td> </tr> <tr> <td>SC</td> <td>CLAYEY SAND</td> </tr> <tr> <td>ML</td> <td>SILT</td> </tr> <tr> <td>CL</td> <td>CLAY</td> </tr> <tr> <td rowspan="5"></td> <td>OL</td> <td>ORGANIC SILT, ORGANIC CLAY</td> </tr> <tr> <td>MH</td> <td>SILT OF HIGH PLASTICITY, ELASTIC SILT</td> </tr> <tr> <td>CH</td> <td>CLAY OF HIGH PLASTICITY, FAT CLAY</td> </tr> <tr> <td>OH</td> <td>ORGANIC CLAY, ORGANIC SILT</td> </tr> <tr> <td>PT</td> <td>PEAT</td> </tr> </table>		NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL	GP	POORLY-GRADED GRAVEL	GM	SILTY GRAVEL	GC	CLAYEY GRAVEL	SW	WELL-GRADED SAND, FINE TO COARSE SAND	COHESIVE SOILS	SP	POORLY-GRADED SAND	SM	SILTY SAND	SC	CLAYEY SAND	ML	SILT	CL	CLAY		OL	ORGANIC SILT, ORGANIC CLAY	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT	CH	CLAY OF HIGH PLASTICITY, FAT CLAY	OH	ORGANIC CLAY, ORGANIC SILT	PT	PEAT
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Logged By: C. McFadden		Auger ID/OD: --																																				
Checked By: C. McFadden		Borehole ID/OD: 3 inches																																				
Contractor: Standard Environmental Probe		Sampler: Macrocore																																				
Operator: Russell		Hammer Wt./Fall: --																																				
Boring Location: See Map		Ground Elevation: --																																				
Coordinates: --		Water Depth: 8 feet																																				
Weather: Clear - 35 degrees Fahrenheit		Boring Depth: 15 feet																																				
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail																															
0					Asphalt Surface 12"			Monument																														
1					Sandy Silt with gravel; brown; damp; no odor	ML		Bentonite																														
2																																						
3																																						
4	B11:4	11:40	0.0																																			
5					Poorly-graded Sand; brown; damp; no odor	SP																																
6																																						
7																																						
8	B-11:8	11:30	0.0		Wet																																	
9																																						
10						ML																																
11																																						
12					Silt; gray; moist; no odor																																	
13																																						
14																																						
15	B-11:15	11:35	0.0																																			
16					Termination of borehole																																	
17																																						
18																																						
19																																						
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Notes:

0-5' minimum recovery 1st attempt. Silty Sand observed, 85% recovery (0-5') on 2nd attempt_Screen 5-15'; 0.010" Slot; Sand 3-15', Bentonite 1-3'

 Practical Environmental Compliance Solutions Offices in: Anchorage Tacoma Portland					Project: 0611-01-03 Location: 800 South 259th St Kent, WA Client: BLT Trucking		Boring ID: B12 Project Number: 0611-01-03	
Date Start/Finish: 3/16/2021		Drilling Method: DPT		Unified Soil Classification System NON-COHESIVE SOILS GW WELL-GRADED GRAVEL, FINE TO COARSE GP POORLY-GRADED GRAVEL GM SILTY GRAVEL GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND SP POORLY-GRADED SAND SM SILTY SAND SC CLAYEY SAND				
Logged By: C. McFadden		Auger ID/OD: --						
Checked By: C. McFadden		Borehole ID/OD: 3 inches		COHESIVE SOILS ML SILT CL CLAY OL ORGANIC SILT, ORGANIC CLAY MH SILT OF HIGH PLASTICITY, ELASTIC SILT CH CLAY OF HIGH PLASTICITY, FAT CLAY OH ORGANIC CLAY, ORGANIC SILT PT PEAT				
Contractor: Standard Environmental Probe		Sampler: Macrocore						
Operator: Russell		Hammer Wt./Fall: --						
Boring Location: See Map		Ground Elevation: --						
Coordinates: --		Water Depth: 8 feet						
Weather: Clear - 48 degrees Fahrenheit		Boring Depth: 15 feet						
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification		
0					Asphalt Surface			
1					Pea Gravel	GW		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14					Sandy Silt; gray; wet; no odor	ML		
15	B-12:15		0.0					
16					Termination of borehole			
17								
18								
19								
20								
21								
22								
23								
24								
25								
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Notes: Well Tag ID: _No recovery 0-5' 1st attempt. 10% recovery 0-5' 2nd attempt, minimum recovery.								

 Practical Environmental Compliance Solutions Offices in: Anchorage Tacoma Portland		Project:	0611-01-03		Boring ID:	B13	
		Location:	800 South 259th St Kent, WA		Project Number:	0611-01-03	
		Client:	BLT Trucking				
Date Start/Finish:	3/16/2021		Drilling Method:	DPT		Unified Soil Classification System NON-COHESIVE SOILS GW WELL-GRADED GRAVEL, FINE TO COARSE GP POORLY-GRADED GRAVEL GM SILTY GRAVEL GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND SP POORLY-GRADED SAND SM SILTY SAND SC CLAYEY SAND COHESIVE SOILS ML SILT CL CLAY OL ORGANIC SILT, ORGANIC CLAY MH SILT OF HIGH PLASTICITY, ELASTIC SILT CH CLAY OF HIGH PLASTICITY, FAT CLAY OH ORGANIC CLAY, ORGANIC SILT PT PEAT	
Logged By:	C. McFadden		Auger ID/OD:	--			
Checked By:	C. McFadden		Borehole ID/OD:	3 inches			
Contractor:	Standard Environmental Probe		Sampler:	Macrocore			
Operator:	Russell		Hammer Wt./Fall:	--			
Boring Location:	See Map		Ground Elevation:	--			
Coordinates:	--		Water Depth:	8 feet			
Weather:	Clear - 50 degrees Fahrenheit		Boring Depth:	15 feet			
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description		Unified Classification
0					Asphalt Surface		
1			0.0		No recovery 0-5'		
2							
3							
4							
5					Silty Sand with gravel; brown; damp; no odor	SM	
6							
7							
8	B-13:8	13:12			Wet	GW	
9					Pea gravel; grey; wet		
10							
11							
12							
13							
14							
15	B-13:15	13:18					
16					Termination of borehole		
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Notes: Well Tag ID: 50% recovery 5-10'

 Practical Environmental Compliance Solutions Offices In: Anchorage Tacoma Portland		Project: 0611-01-03		Boring ID: B14/MW3																																		
		Location: 800 South 259th St Kent, WA		Project Number: 0611-01-03																																		
		Client: BLT Trucking																																				
Date Start/Finish: 3/16/2021	Drilling Method: DPT		Unified Soil Classification System <table border="1"> <tr> <td rowspan="5">NON-COHESIVE SOILS</td> <td>GW</td> <td>WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL</td> </tr> <tr> <td>GP</td> <td>POORLY-GRADED GRAVEL</td> </tr> <tr> <td>GM</td> <td>SILTY GRAVEL</td> </tr> <tr> <td>GC</td> <td>CLAYEY GRAVEL</td> </tr> <tr> <td>SW</td> <td>WELL-GRADED SAND, FINE TO COARSE SAND</td> </tr> <tr> <td rowspan="5">COHESIVE SOILS</td> <td>SP</td> <td>POORLY-GRADED SAND</td> </tr> <tr> <td>SM</td> <td>SILTY SAND</td> </tr> <tr> <td>SC</td> <td>CLAYEY SAND</td> </tr> <tr> <td>ML</td> <td>SILT</td> </tr> <tr> <td>CL</td> <td>CLAY</td> </tr> <tr> <td rowspan="5"></td> <td>OL</td> <td>ORGANIC SILT, ORGANIC CLAY</td> </tr> <tr> <td>MH</td> <td>SILT OF HIGH PLASTICITY, ELASTIC SILT</td> </tr> <tr> <td>CH</td> <td>CLAY OF HIGH PLASTICITY, FAT CLAY</td> </tr> <tr> <td>OH</td> <td>ORGANIC CLAY, ORGANIC SILT</td> </tr> <tr> <td>PT</td> <td>PEAT</td> </tr> </table>			NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL	GP	POORLY-GRADED GRAVEL	GM	SILTY GRAVEL	GC	CLAYEY GRAVEL	SW	WELL-GRADED SAND, FINE TO COARSE SAND	COHESIVE SOILS	SP	POORLY-GRADED SAND	SM	SILTY SAND	SC	CLAYEY SAND	ML	SILT	CL	CLAY		OL	ORGANIC SILT, ORGANIC CLAY	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT	CH	CLAY OF HIGH PLASTICITY, FAT CLAY	OH	ORGANIC CLAY, ORGANIC SILT	PT	PEAT
NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL																																				
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	PT	PEAT																																				
Logged By: C. McFadden	Auger ID/OD: --																																					
Checked By: C. McFadden	Borehole ID/OD: 3 inches																																					
Contractor: Standard Environmental Probe	Sampler: Macrocore																																					
Operator: Russell	Hammer Wt./Fall: --																																					
Boring Location: See Map	Ground Elevation: --																																					
Coordinates: --	Water Depth: 8 feet																																					
Weather: Clear - 50 degrees Fahrenheit	Boring Depth: 20 feet																																					
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail																															
0					Asphalt Surface			Monument																														
1			0.0		fill; Silty sand with gravel; dark brown; damp; 50% recovery	SM		Bentonite																														
2																																						
3																																						
4																																						
5	B-14:5	13:53			5-10'; no recovery				Sand																													
6																																						
7																																						
8																																						
9																																						
10																																						
11					10-15'; minimum recovery; no native soil encountered																																	
12																																						
13																																						
14																																						
15																																						
16	B-14:16	14:02			Native observed in 15-20' core. Native at 15'. Sandy Silt; grey; wet	ML																																
17																																						
18																																						
19																																						
20																																						
21					Termination of borehole																																	
22																																						
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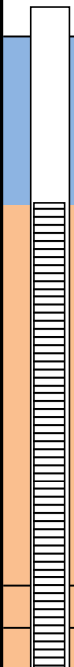
Notes:

Well Tag ID: B-14:16 collected 1' into native soil. Screen 5-15', 1" - 0.010" slot screen, bentonite 1-4', boring collapsed 15-20'

 eci Environmental Services Practical Environmental Compliance Solutions Offices In: Anchorage Tacoma Portland					Project: 0611-01-03		Boring ID: B15/MW4	
					Location: 800 South 259th St Kent, WA		Project Number: 0611-01-03	
					Client: BLT Trucking			
Date Start/Finish: 3/16/2021		Drilling Method: DPT		Unified Soil Classification System				
Logged By: C. McFadden		Auger ID/OD: --						
Checked By: C. McFadden		Borehole ID/OD: 3 inches		NON-COHESIVE SOILS GW WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL GP POORLY-GRADED GRAVEL GM SILTY GRAVEL GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND SP POORLY-GRADED SAND SM SILTY SAND SC CLAYEY SAND				
Contractor: Standard Environmental Probe		Sampler: Macrocore						
Operator: Russell		Hammer Wt./Fall: --						
Boring Location: See Map		Ground Elevation: --						
Coordinates: --		Water Depth: 8 feet						
Weather: Clear - 52 degrees Fahrenheit		Boring Depth: 15 feet		COHESIVE SOILS ML SILT CL CLAY OL ORGANIC SILT, ORGANIC CLAY MH SILT OF HIGH PLASTICITY, ELASTIC SILT CH CLAY OF HIGH PLASTICITY, FAT CLAY OH ORGANIC CLAY, ORGANIC SILT PT PEAT				
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail	
0					Asphalt Surface		Monument	
1					fill; Silty Sand; no odor	SM	Bentonite	
2								
3								
4								
5	B15:5		0.0					
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	B15:15		0.0					
16					Termination of borehole			
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Notes: Well Tag ID: Screen 5-15' 1" 0.010" Slot, Sand 4-15', Bentonite 1-4'								

 Practical Environmental Compliance Solutions Offices In: Anchorage Tacoma Portland				Project: 0611-01-03 Location: 800 South 259th St Kent, WA Client: BLT Trucking		Boring ID: B16 Project Number: 0611-01-03	
Date Start/Finish: 3/16/2021		Drilling Method: DPT		Unified Soil Classification System NON-COHESIVE SOILS GW WELL-GRADED GRAVEL, FINE TO COARSE GP POORLY-GRADED GRAVEL GM SILTY GRAVEL GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND SP POORLY-GRADED SAND SM SILTY SAND SC CLAYEY SAND COHESIVE SOILS ML SILT CL CLAY OL ORGANIC SILT, ORGANIC CLAY MH SILT OF HIGH PLASTICITY, ELASTIC SILT CH CLAY OF HIGH PLASTICITY, FAT CLAY OH ORGANIC CLAY, ORGANIC SILT PT PEAT			
Logged By: C. McFadden		Auger ID/OD: --					
Checked By: C. McFadden		Borehole ID/OD: 3 inches					
Contractor: Standard Environmental Probe		Sampler: Macrocore					
Operator: Russell		Hammer Wt./Fall: --					
Boring Location: See Map		Ground Elevation: --					
Coordinates: --		Water Depth: 8 feet					
Weather: Clear - 52 degrees Farenheit		Boring Depth: 15 feet					
Depth (ft bgs)	Sample No.	Time	PID Reading				
0					Asphalt	SM	
1			0.0				
2							
3							
4							
5	B16:5	16:18					
6							
7							
8	B16:8	16:23			wet	ML	
9							
10							
11					Sandy Silt; wet gray		
12							
13					wood chunk		
14							
15	B16:15	16:30	0.0				
16					Termination of borehole		
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
Notes: Well Tag ID:							

 Practical Environmental Compliance Solutions Offices In: Anchorage Tacoma Portland		Project: 0611-01-03		Boring ID: B17																																					
		Location: 800 South 259th St Kent, WA																																							
		Client: BLT Trucking		Project Number: 0611-01-03																																					
Date Start/Finish: 3/16/2021		Drilling Method: DPT		<table border="1"> <tr> <th colspan="3">Unified Soil Classification System</th> </tr> <tr> <td rowspan="5">NON-COHESIVE SOILS</td> <td>GW</td> <td>WELL-GRADED GRAVEL, FINE TO COARSE</td> </tr> <tr> <td>GP</td> <td>POORLY-GRADED GRAVEL</td> </tr> <tr> <td>GM</td> <td>SILTY GRAVEL</td> </tr> <tr> <td>GC</td> <td>CLAYEY GRAVEL</td> </tr> <tr> <td>SW</td> <td>WELL-GRADED SAND, FINE TO COARSE SAND</td> </tr> <tr> <td rowspan="5">COHESIVE SOILS</td> <td>SP</td> <td>POORLY-GRADED SAND</td> </tr> <tr> <td>SM</td> <td>SILTY SAND</td> </tr> <tr> <td>SC</td> <td>CLAYEY SAND</td> </tr> <tr> <td>ML</td> <td>SILT</td> </tr> <tr> <td>CL</td> <td>CLAY</td> </tr> <tr> <td rowspan="5"></td> <td>OL</td> <td>ORGANIC SILT, ORGANIC CLAY</td> </tr> <tr> <td>MH</td> <td>SILT OF HIGH PLASTICITY, ELASTIC SILT</td> </tr> <tr> <td>CH</td> <td>CLAY OF HIGH PLASTICITY, FAT CLAY</td> </tr> <tr> <td>OH</td> <td>ORGANIC CLAY, ORGANIC SILT</td> </tr> <tr> <td>PT</td> <td>PEAT</td> </tr> </table>		Unified Soil Classification System			NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE	GP	POORLY-GRADED GRAVEL	GM	SILTY GRAVEL	GC	CLAYEY GRAVEL	SW	WELL-GRADED SAND, FINE TO COARSE SAND	COHESIVE SOILS	SP	POORLY-GRADED SAND	SM	SILTY SAND	SC	CLAYEY SAND	ML	SILT	CL	CLAY		OL	ORGANIC SILT, ORGANIC CLAY	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT	CH	CLAY OF HIGH PLASTICITY, FAT CLAY	OH	ORGANIC CLAY, ORGANIC SILT	PT	PEAT
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	PT	PEAT																																							
Logged By: C. McFadden		Auger ID/OD: --																																							
Checked By: C. McFadden		Borehole ID/OD: 3 inches																																							
Contractor: Standard Environmental Probe		Sampler: Macrocore																																							
Operator: Russell		Hammer Wt./Fall: --																																							
Boring Location: See Map		Ground Elevation: --																																							
Coordinates: --		Water Depth: 8 feet																																							
Weather: Clear - 55 degrees Fahrenheit		Boring Depth: 15 feet																																							
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification																																			
0					Asphalt Surface																																				
1						SM																																			
2																																									
3																																									
4	B17:4	16:45																																							
5																																									
6						SP																																			
7	B17:7.5	16:50			wet at 7.5'																																				
8																																									
9																																									
10																																									
11						ML																																			
12					Sandy Silt																																				
13																																									
14																																									
15	B17:15	16:55																																							
16					Termination of borehole																																				
17																																									
18																																									
19																																									
20																																									
21																																									
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25																																									
26																																									
27																																									
28																																									
29																																									
30																																									
Notes: Well Tag ID:																																									

 Practical Environmental Compliance Solutions Offices in: Anchorage Tacoma Portland		Project: 0611-01-03		Boring ID: B18/MW5				
		Location: 800 South 259th St Kent, WA		Project Number: 0611-01-03				
		Client: BLT Trucking						
Date Start/Finish:	3/16/2021		Drilling Method:	DPT				
Logged By:	C. McFadden		Auger ID/OD:	--				
Checked By:	C. McFadden		Borehole ID/OD:	3 inches				
Contractor:	Standard Environmental Probe		Sampler:	Macrocore				
Operator:	Russell		Hammer Wt./Fall:	--				
Boring Location:	See Map		Ground Elevation:	--				
Coordinates:	--		Water Depth:	8 feet				
Weather:	Clear - 35 degrees Fahrenheit		Boring Depth:	15 feet				
NON-COHESIVE SOILS GW WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL GP POORLY-GRADED GRAVEL GM SILTY GRAVEL GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND SP POORLY-GRADED SAND SM SILTY SAND SC CLAYEY SAND COHESIVE SOILS ML SILT CL CLAY OL ORGANIC SILT, ORGANIC CLAY MH SILT OF HIGH PLASTICITY, ELASTIC SILT CH CLAY OF HIGH PLASTICITY, FAT CLAY OH ORGANIC CLAY, ORGANIC SILT PT PEAT								
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail	
0					Asphalt Surface			Monument
1					Sandy Silt; grey; damp; no odor	ML		Bentonite
2								
3	B18:3	17:35	0.0					
4								
5								Sand
6								
7								
8	B18:8	17:40			Wet; poorly-graded Sand; wet; brown; no odor	SP		
9								
10								
11								
12								
13					Sandy Silt; grey; wet; no odor	ML		
14								
15	B18:15	17:50						
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Notes: Well Tag ID: Screen 5-15' 1" 0.010" Slot, Sand 4-15', Bentonite 1-4'								

SITE	REGIONAL DISPOSAL INTERMODAL -- 3rd and lander -Seattle, WA
CUSTOMER	333410 BLT Transport LLC 11910 SE 277th St. Kent, WA 98030 Contract: LW-16161

SITE	01	TICKET #	939567	CELL	
WEIGHMASTER		IN - Drinda L. OUT - Kim L.			
DATE/TIME IN		7/18/16	8:43 am	DATE/TIME OUT	7/18/16 8:55 am
VEHICLE		COBUN		CONTAINER	
REFERENCE					
BILL OF LADING					

SCALE IN GROSS WEIGHT	101,640	NET TONS	32.44
SCALE OUT TARE WEIGHT	36,760	NET WEIGHT	64,880

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.44	tn	SW-CONT SOIL W/FUEL Origin: KENT/KING 100%				



The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

[Handwritten Signature]

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE	REGIONAL DISPOSAL INTERMODAL -- 3rd and lander -Seattle, WA
CUSTOMER	333410 BLT Transport LLC 11910 SE 277th St. Kent, WA 98030 Contract:LW-16161

SITE	01	TICKET #	939580	CELL	V
WEIGHMASTER		IN - Drinda L. OUT - Kim L.			
DATE/TIME IN		7/18/16	10:32 am	DATE/TIME OUT	7/18/16 10:43 am
VEHICLE		COBUN		CONTAINER	
REFERENCE					
BILL OF LADING					

SCALE IN GROSS WEIGHT	91,600	NET TONS	27.30
SCALE OUT TARE WEIGHT	37,000	NET WEIGHT	54,600

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.30	tn	SW-CONT SOIL W/FUEL				
		Origin:KENT/KING 100%				



The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

[Handwritten Signature]

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER

333410
BLT Transport LLC
11910 SE 277th St.
Kent, WA 98030
Contract:LW-16161

SITE

01

TICKET #

939595

CELL

WEIGHMASTER

IN - Drinda L. OUT - Kim L.

DATE/TIME IN

7/18/16 12:56 pm

DATE/TIME OUT

7/18/16 1:10 pm

VEHICLE

COBUN

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 92,640 NET TONS 27.88
SCALE OUT TARE WEIGHT 36,880 NET WEIGHT 55,760

INBOUND

INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.88	tn	SW-CONT SOIL W/FUEL				
		Origin:KENT/KING 100%				



The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK#

SITE	REGIONAL DISPOSAL INTERMODAL -- 3rd and 'lander -Seattle, WA
CUSTOMER	333410 BLT Transport LLC 11910 SE 277th St. Kent, WA 98030 Contract:LW-16161

SITE 01	TICKET # 939471	CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.		
DATE/TIME IN 7/13/16 8:56 am	DATE/TIME OUT 7/13/16 9:12 am	
VEHICLE 1 COBUN	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	95,560	NET TONS	29.09
SCALE OUT TARE WEIGHT	37,380	NET WEIGHT	58,180

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.09	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				



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NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE	REGIONAL DISPOSAL INTERMODAL -- 3rd and lander--Seattle, WA
CUSTOMER	333410 BLT Transport LLC 11910 SE 277th St. Kent, WA 98030 Contract:LW-16161

SITE 01	TICKET # 939479	CELL
WEIGHMASTER IN - Kim L. OUT - JAMIE B.		
DATE/TIME IN 7/13/16 12:41 pm		DATE/TIME OUT 7/13/16 12:52 pm
VEHICLE 1 COBUN		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	97,660	NET TONS	30.27
SCALE OUT TARE WEIGHT	37,120	NET WEIGHT	60,540

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.27	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				



The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333410
BLT Transport LLC
11910 SE 277th St.
Kent, WA 98030
Contract:LW-16161

SITE

TICKET #

CELL

01

939476

WEIGHMASTER

DATE/TIME IN

IN Kim L.

DATE/TIME OUT

OUT JAMES B.

VEHICLE

7/13/16 10:56 am

CONTAINER

7/13/16 11:08 am

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 93,860 NET TONS 28.40
SCALE OUT TARE WEIGHT 37,060 NET WEIGHT 56,800

INBOUND

INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.40	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				



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SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK#

REGIONAL DISPOSAL COMPANY INTERMODA
PO BOX 677839
DALLAS, TX 75267-7839
(206) 332-7731

INVOICE

TO:

BLT Transport LLC
11910 SE 277th St.
Kent, WA 98030

INVOICE NO. 0000049829
PAGE 1
DATE Jul-15-16
CUSTOMER NO. 333410
SITE NO. LW-16161
REFERENCE NO.

SERVICE DATE	CODE	DESCRIPTION	REFERENCE	QTY.	AMOUNT
13 - Jul	VH	Vehicle: 1 COBUN SW-CONT SOIL W/FUEL	01-939471	29.09 TN	\$1,309.05
13 - Jul	VH	Vehicle: 1 COBUN SW-CONT SOIL W/FUEL	01-939476	28.40 TN	\$1,278.00
13 - Jul	VH	Vehicle: 1 COBUN SW-CONT SOIL W/FUEL	01-939479	30.27 TN	\$1,362.15
Material Summary					
	VH	SW-CONT SOIL W/FUEL		87.76 TN	

Account Status

Payment due upon receipt of this invoice. 1.5% per month (18% per annum) late charge on balances over 30 days from date of invoice.
Payments received after invoice date are not reflected.
To ensure proper credit, please include your account number on your check and include the bottom portion of this invoice. When making payment on multiple accounts, please include the account numbers and the amounts of payment.

CURRENT

\$ 3,949.20

31 - 60 DAYS

\$ 0.00

61 - 90 DAYS

\$ 0.00

OVER 90 DAYS

\$ 0.00

TOTAL
THIS INVOICE

\$3,949.20

**PLEASE PAY THIS
AMOUNT**

\$3,949.20

We reserve the right to suspend service without notice on any past due account.

Please remit to:

INVOICE NO. 0000049829

PAGE 1

DATE Jul-15-16

CUSTOMER NO. 333410

SITE NO.

REFERENCE NO.

REGIONAL DISPOSAL COMPANY INTERMODA
PO BOX 677839
DALLAS, TX 75267-7839
(206) 332-7731

AMOUNT OF
REMITTANCE

PLEASE RETURN THIS PORTION WITH REMITTANCE

REMARKS

*** Please reference your invoice number on each check stub ***

For Billing Inquiries: Call (206)332-7731 or email:
chartje@republicservices.com

REGIONAL DISPOSAL COMPANY INTERMODA
PO BOX 677839
DALLAS, TX 75267-7839
(206) 332-7731

INVOICE

TO: -

BLT Transport LLC
11910 SE 277th St.
Kent, WA 98030

INVOICE NO. 0000049872
PAGE 1
DATE Jul-31-16
CUSTOMER NO. 333410
SITE NO. LW-16161
REFERENCE NO.

SERVICE DATE	CODE	DESCRIPTION	REFERENCE	QTY.	AMOUNT
18 - Jul	VH	Vehicle: COBUN SW-CONT SOIL W/FUEL	\$45.00 01-939567	32.44 TN	\$1,459.80
18 - Jul	VH	Vehicle: COBUN SW-CONT SOIL W/FUEL	\$45.00 01-939580	27.30 TN	\$1,228.50
18 - Jul	VH	Vehicle: COBUN SW-CONT SOIL W/FUEL	\$45.00 01-939595	27.88 TN	\$1,254.60
		Material Summary			
	VH	SW-CONT SOIL W/FUEL		87.62 TN	

Account Status

Payment due upon receipt of this invoice. 1.5% per month (18% per annum) late charge on balances over 30 days from date of invoice.
Payments received after invoice date are not reflected.
To ensure proper credit, please include your account number on your check and include the bottom portion of this invoice. When making payment on multiple accounts, please include the account numbers and the amounts of payment.

CURRENT

\$ 7,892.10

31 - 60 DAYS

\$ 0.00

61 - 90 DAYS

\$ 0.00

OVER 90 DAYS

\$ 0.00

TOTAL

THIS INVOICE

\$3,942.90

**PLEASE PAY THIS
AMOUNT**

\$7,892.10

We reserve the right to suspend service without notice on any past due account.

Please remit to:

INVOICE NO. 0000049872
PAGE 1
DATE Jul-31-16
CUSTOMER NO. 333410
SITE NO.
REFERENCE NO.

REGIONAL DISPOSAL COMPANY INTERMODA
PO BOX 677839
DALLAS, TX 75267-7839
(206) 332-7731

AMOUNT OF
REMITTANCE

PLEASE RETURN THIS PORTION WITH REMITTANCE

REMARKS

*** Please reference your invoice number on each check stub ***

For Billing Inquiries: Call (206)332-7731 or email:
chartje@republicservices.com

Appendix D: Project Analytical Results

Laboratory Analytical Report

Chain of Custody

Appendix: D Project Analytical Results



Libby Environmental, Inc.

3322 South Bay Road NE • Olympia, WA 98506-2957

April 14, 2021

Charles McFadden
ECI
P.O. Box 153
Fox Island, WA 98333

Dear Mr. McFadden:

Please find enclosed the analytical data report for the BLT Trucking 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 in 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,

A handwritten signature in black ink, appearing to read "Sherry L. Chilcutt".

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Road NE

Ph: 360-352-2110

Olympia, WA 98506

Fax: 360-352-4154

Date: 3/30/21

Page: 1 of 1

Client: ECI

Project Manager: Charles McFadden

Address: 15 South Oregon St Ste 311

Project Name: BLT Trucking

City: Tacoma

State: WA Zip:

Location: Kent

City, State: WA

Phone: 253-318-3864

Fax:

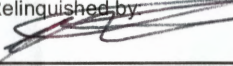
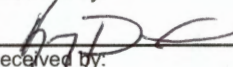
Collector: SRB + CZL

Date of Collection: 3/30/21

Client Project # 0611-01-03-02

Email:

Sample Number	Depth	Time	Sample Type	Container Type														Field Notes
					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	DISSOLVED As	
1	MW5	1001		2 1-L amber glass bottles		X	X		X	X	X		X					
2	MW1	1052				X	X		X	X	X		X				⊗	
3	MW4	1150				X	X		X	X	X		X					
4	MW3	1246				X	X		X	X	X		X					
5	MW2	1323				X	X		X	X	X		X				⊗	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		

Relinquished by: 	Date / Time: 3/31/21 11:28	Received by: 	Date / Time: 3/31/21 11:28	Sample Receipt Good Condition? Y N Cooler Temp. °C Sample Temp. °C Total Number of Containers	Remarks: Run Dissolved MTCA 5 if any total detections exceed cals. Poly bottle field filtered. Bottle marked TAT: 24HR 48HR 5-DAY
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

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.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210331-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Sample Description		Method Blank	MW5	MW1	MW4	MW3	MW2
Date Sampled		N/A	3/30/2021	3/30/2021	3/30/2021	3/30/2021	3/30/2021
Date Analyzed	PQL (µg/L)	4/2/2021 (µg/L)	4/2/2021 (µg/L)	4/2/2021 (µg/L)	4/2/2021 (µg/L)	4/2/2021 (µg/L)	4/2/2021 (µg/L)
Benzene	1.0	nd	nd	nd	nd	nd	nd
Toluene	2.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd	nd
Total Xylenes	2.0	nd	nd	nd	nd	nd	nd
Gasoline	100	nd	nd	nd	nd	nd	nd

Surrogate Recovery							
Dibromofluoromethane		104	110	103	102	93	100
1,2-Dichloroethane-d4		101	104	93	99	98	102
Toluene-d8		90	3	90	89	93	93
4-Bromofluorobenzene		85	82	85	81	89	78

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210331-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

QA/QC for Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Matrix Spike Sample Identification: L210331-3								
Date Analyzed: 4/2/2021								
	Spiked Conc. (µg/L)	MS Response (µg/L)	MSD Response (µg/L)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Benzene	4.0	3.5	3.7	88	93	5.6	65-135	
Toluene	4.0	4.4	4.5	110	113	2.2	65-135	
Ethylbenzene	4.0	3.8	4.1	95	103	7.6	65-135	
Total Xylenes	12.0	10.4	10.3	87	86	1.0	65-135	
Surrogate Recovery (%)								
				MS	MSD			
Dibromofluoromethane				98	102		65-135	
1,2-Dichloroethane-d4				96	96		65-135	
Toluene-d8				94	97		65-135	
4-Bromofluorobenzene				91	87		65-135	

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Melissa Harrington

Laboratory Control Sample

Date Analyzed: 4/2/2021					
	Spiked Conc. (µg/L)	LCS Response (µg/L)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Benzene	4.0	3.7	93	80-120	
Toluene	4.0	4.8	120	80-120	
Ethylbenzene	4.0	4.5	113	80-120	
Total Xylenes	12.0	11.4	95	80-120	
Surrogate Recovery					
Dibromofluoromethane			96	65-135	
1,2-Dichloroethane-d4			96	65-135	
Toluene-d8			95	65-135	
4-Bromofluorobenzene			89	65-135	

ANALYSES PERFORMED BY: Melissa Harrington

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210331-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (µg/L)	Oil (µg/L)
Method Blank	4/2/2021	108	nd	nd
MW5	4/2/2021	110	nd	nd
MW5 Dup	4/2/2021	109	nd	nd
MW1	4/2/2021	112	nd	nd
MW4	4/2/2021	115	nd	nd
MW3	4/2/2021	113	nd	nd
MW2	4/2/2021	116	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

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210331-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	Method	LCS	LCSD	MW5	MW1	MW4
		Blank					
Date Sampled		N/A	N/A	N/A	3/30/2021	3/30/2021	3/30/2021
Date Analyzed		4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	91%	84%	nd	nd	nd
Aroclor 1221	0.02	nd			nd	nd	nd
Aroclor 1232	0.02	nd			nd	nd	nd
Aroclor 1242	0.02	nd			nd	nd	nd
Aroclor 1248	0.02	nd			nd	nd	nd
Aroclor 1254	0.02	nd			nd	nd	nd
Aroclor 1260	0.02	nd	110%	98%	nd	nd	nd
Surrogate Recovery							
TCMX		122	117	127	124	121	127
DCBP		124	94	107	113	124	125

"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: Paul Burke

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210331-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	MW3	MW2
Date Sampled		3/30/2021	3/30/2021
Date Analyzed		4/6/2021	4/6/2021
	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	nd
Aroclor 1221	0.02	nd	nd
Aroclor 1232	0.02	nd	nd
Aroclor 1242	0.02	nd	nd
Aroclor 1248	0.02	nd	nd
Aroclor 1254	0.02	nd	nd
Aroclor 1260	0.02	nd	nd
Surrogate Recovery			
TCMX		123	121
DCBP		115	115

"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: Paul Burke

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210331-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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	4/1/2021	nd	nd	nd	nd
MW5	4/1/2021	nd	nd	nd	4.3
MW5 Dup	4/1/2021	nd	nd	nd	3.9
MW1	4/1/2021	nd	nd	nd	6.4
MW4	4/1/2021	nd	nd	nd	nd
MW3	4/1/2021	nd	nd	nd	3.4
MW2	4/1/2021	nd	nd	nd	6.9
Practical Quantitation Limit		5.0	0.5	5.0	3.0

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

ANALYSES PERFORMED BY: Sherry Chilcutt

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	4/1/2021	91%	107%	99%	96%
MW5 MS	4/1/2021	89%	116%	87%	79%
MW5 MSD	4/1/2021	90%	115%	94%	88%
RPD	4/1/2021	1%	1%	8%	11%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210331-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

Analyses of Dissolved Arsenic in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Arsenic (µg/L)
Method Blank	4/13/2021	nd
MW1	4/13/2021	nd
MW2	4/13/2021	nd
MW2 Dup	4/13/2021	nd
Practical Quantitation Limit		3.0

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

ANALYSES PERFORMED BY: Sherry Chilcutt

QA/QC for Dissolved Arsenic in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Arsenic (% Recovery)
LCS	4/13/2021	112%
MW2 MS	4/13/2021	118%
MW2 MSD	4/13/2021	112%
RPD	4/13/2021	5%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

BLT TRUCKING PROJECT

ECI

Libby Project # L210331-3

Date Received 3/31/21 11:28

Received By KD

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) | <u>2.5 °C</u> | | |
| 8. Temperature of sample(s) (0°C to 8°C recommended) | <u>4.4 °C</u> | | |
| 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.



Fremont
Analytical

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: BLT Trucking
Work Order Number: 2104008

April 12, 2021

Attention Kodey Eley:

Fremont Analytical, Inc. received 5 sample(s) on 4/1/2021 for the analyses presented in the following report.

Mercury by EPA Method 245.1

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

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

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Revision v1

www.fremontanalytical.com

CLIENT: Libby Environmental
Project: BLT Trucking
Work Order: 2104008

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2104008-001	MW 5	03/30/2021 10:01 AM	04/01/2021 9:45 AM
2104008-002	MW 1	03/30/2021 10:52 AM	04/01/2021 9:45 AM
2104008-003	MW 4	03/30/2021 11:50 AM	04/01/2021 9:45 AM
2104008-004	MW 3	03/30/2021 12:46 PM	04/01/2021 9:45 AM
2104008-005	MW 2	03/30/2021 1:23 PM	04/01/2021 9:45 AM

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

CLIENT: Libby Environmental
Project: BLT Trucking

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.

Notations:

During the original PAH extraction, samples were incorrectly spiked leading to false detections. Samples were re-extracted out of hold.

4/14/2021: Revision 1 includes additional language in the Case Narrative.

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
- 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
- MCL - Maximum Contaminant Level
- 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: 2104008

Date Reported: 4/12/2021

Client: Libby Environmental

Collection Date: 3/30/2021 10:01:00 AM

Project: BLT Trucking

Lab ID: 2104008-001

Matrix: Water

Client Sample ID: MW 5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 31939

Analyst: SB

Benz(a)anthracene	ND	0.134	H	µg/L	1	4/12/2021 2:22:00 PM
Chrysene	ND	0.134	H	µg/L	1	4/12/2021 2:22:00 PM
Benzo(b)fluoranthene	ND	0.134	H	µg/L	1	4/12/2021 2:22:00 PM
Benzo(k)fluoranthene	ND	0.134	H	µg/L	1	4/12/2021 2:22:00 PM
Benzo(a)pyrene	ND	0.134	H	µg/L	1	4/12/2021 2:22:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.134	H	µg/L	1	4/12/2021 2:22:00 PM
Dibenz(a,h)anthracene	ND	0.134	H	µg/L	1	4/12/2021 2:22:00 PM
Surr: 2-Fluorobiphenyl	80.6	47.6 - 142	H	%Rec	1	4/12/2021 2:22:00 PM
Surr: Terphenyl-d14	96.9	15.9 - 137	H	%Rec	1	4/12/2021 2:22:00 PM

Mercury by EPA Method 245.1

Batch ID: 31914

Analyst: LB

Mercury	ND	0.100		µg/L	1	4/8/2021 12:24:52 PM
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Analytical Report

Work Order: 2104008

Date Reported: 4/12/2021

Client: Libby Environmental

Collection Date: 3/30/2021 10:52:00 AM

Project: BLT Trucking

Lab ID: 2104008-002

Matrix: Water

Client Sample ID: MW 1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 31898

Analyst: IH

Benz(a)anthracene	ND	0.102	H	µg/L	1	4/8/2021 3:18:03 PM
Chrysene	ND	0.102	H	µg/L	1	4/8/2021 3:18:03 PM
Benzo(b)fluoranthene	ND	0.102	H	µg/L	1	4/8/2021 3:18:03 PM
Benzo(k)fluoranthene	ND	0.102	H	µg/L	1	4/8/2021 3:18:03 PM
Benzo(a)pyrene	ND	0.102	H	µg/L	1	4/8/2021 3:18:03 PM
Indeno(1,2,3-cd)pyrene	ND	0.102	H	µg/L	1	4/8/2021 3:18:03 PM
Dibenz(a,h)anthracene	ND	0.102	H	µg/L	1	4/8/2021 3:18:03 PM
Surr: 2-Fluorobiphenyl	74.4	47.6 - 142	H	%Rec	1	4/8/2021 3:18:03 PM
Surr: Terphenyl-d14	86.0	15.9 - 137	H	%Rec	1	4/8/2021 3:18:03 PM

Mercury by EPA Method 245.1

Batch ID: 31914

Analyst: LB

Mercury	ND	0.100		µg/L	1	4/8/2021 12:29:57 PM
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Analytical Report

Work Order: 2104008

Date Reported: 4/12/2021

Client: Libby Environmental

Collection Date: 3/30/2021 11:50:00 AM

Project: BLT Trucking

Lab ID: 2104008-003

Matrix: Water

Client Sample ID: MW 4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 31898

Analyst: IH

Benz(a)anthracene	ND	0.103	H	µg/L	1	4/8/2021 3:39:24 PM
Chrysene	ND	0.103	H	µg/L	1	4/8/2021 3:39:24 PM
Benzo(b)fluoranthene	ND	0.103	H	µg/L	1	4/8/2021 3:39:24 PM
Benzo(k)fluoranthene	ND	0.103	H	µg/L	1	4/8/2021 3:39:24 PM
Benzo(a)pyrene	ND	0.103	H	µg/L	1	4/8/2021 3:39:24 PM
Indeno(1,2,3-cd)pyrene	ND	0.103	H	µg/L	1	4/8/2021 3:39:24 PM
Dibenz(a,h)anthracene	ND	0.103	H	µg/L	1	4/8/2021 3:39:24 PM
Surr: 2-Fluorobiphenyl	77.2	47.6 - 142	H	%Rec	1	4/8/2021 3:39:24 PM
Surr: Terphenyl-d14	81.3	15.9 - 137	H	%Rec	1	4/8/2021 3:39:24 PM

Mercury by EPA Method 245.1

Batch ID: 31914

Analyst: LB

Mercury	ND	0.100		µg/L	1	4/8/2021 12:31:39 PM
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Analytical Report

Work Order: 2104008

Date Reported: 4/12/2021

Client: Libby Environmental

Collection Date: 3/30/2021 12:46:00 PM

Project: BLT Trucking

Lab ID: 2104008-004

Matrix: Water

Client Sample ID: MW 3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 31898

Analyst: IH

Benz(a)anthracene	ND	0.102	H	µg/L	1	4/8/2021 4:00:44 PM
Chrysene	ND	0.102	H	µg/L	1	4/8/2021 4:00:44 PM
Benzo(b)fluoranthene	ND	0.102	H	µg/L	1	4/8/2021 4:00:44 PM
Benzo(k)fluoranthene	ND	0.102	H	µg/L	1	4/8/2021 4:00:44 PM
Benzo(a)pyrene	ND	0.102	H	µg/L	1	4/8/2021 4:00:44 PM
Indeno(1,2,3-cd)pyrene	ND	0.102	H	µg/L	1	4/8/2021 4:00:44 PM
Dibenz(a,h)anthracene	ND	0.102	H	µg/L	1	4/8/2021 4:00:44 PM
Surr: 2-Fluorobiphenyl	74.4	47.6 - 142	H	%Rec	1	4/8/2021 4:00:44 PM
Surr: Terphenyl-d14	77.2	15.9 - 137	H	%Rec	1	4/8/2021 4:00:44 PM

Mercury by EPA Method 245.1

Batch ID: 31914

Analyst: LB

Mercury	ND	0.100		µg/L	1	4/8/2021 12:33:22 PM
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Analytical Report

Work Order: 2104008

Date Reported: 4/12/2021

Client: Libby Environmental

Collection Date: 3/30/2021 1:23:00 PM

Project: BLT Trucking

Lab ID: 2104008-005

Matrix: Water

Client Sample ID: MW 2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 31898

Analyst: IH

Benz(a)anthracene	ND	0.103	H	µg/L	1	4/8/2021 4:22:10 PM
Chrysene	ND	0.103	H	µg/L	1	4/8/2021 4:22:10 PM
Benzo(b)fluoranthene	ND	0.103	H	µg/L	1	4/8/2021 4:22:10 PM
Benzo(k)fluoranthene	ND	0.103	H	µg/L	1	4/8/2021 4:22:10 PM
Benzo(a)pyrene	ND	0.103	H	µg/L	1	4/8/2021 4:22:10 PM
Indeno(1,2,3-cd)pyrene	ND	0.103	H	µg/L	1	4/8/2021 4:22:10 PM
Dibenz(a,h)anthracene	ND	0.103	H	µg/L	1	4/8/2021 4:22:10 PM
Surr: 2-Fluorobiphenyl	81.0	47.6 - 142	H	%Rec	1	4/8/2021 4:22:10 PM
Surr: Terphenyl-d14	84.4	15.9 - 137	H	%Rec	1	4/8/2021 4:22:10 PM

Mercury by EPA Method 245.1

Batch ID: 31914

Analyst: LB

Mercury	ND	0.100		µg/L	1	4/8/2021 12:35:04 PM
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Work Order: 2104008
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: MB-31914	SampType: MBLK	Units: µg/L			Prep Date: 4/8/2021				RunNo: 66421		
Client ID: MBLKW	Batch ID: 31914	Analysis Date: 4/8/2021							SeqNo: 1336394		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.100

Sample ID: LCS-31914		SampType: LCS			Units: µg/L		Prep Date: 4/8/2021			RunNo: 66421		
Client ID: LCSW		Batch ID: 31914			Analysis Date: 4/8/2021			SeqNo: 1336395				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.13 0.100 2.500 0 85.2 85 115

Sample ID: 2104016-001ADUP		SampType: DUP			Units: µg/L		Prep Date: 4/8/2021			RunNo: 66421		
Client ID: BATCH		Batch ID: 31914			Analysis Date: 4/8/2021			SeqNo: 1336397				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury ND 1.00 0 20

Sample ID: 2104016-001AMS		SampType: MS			Units: µg/L		Prep Date: 4/8/2021			RunNo: 66421		
Client ID: BATCH		Batch ID: 31914			Analysis Date: 4/8/2021			SeqNo: 1336398				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 21.5 1.00 25.00 0 86.0 70 130

Sample ID: 2104016-001AMSD		SampType: MSD			Units: µg/L		Prep Date: 4/8/2021			RunNo: 66421		
Client ID: BATCH		Batch ID: 31914			Analysis Date: 4/8/2021			SeqNo: 1336399				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 22.8 1.00 25.00 0 91.2 70 130 21.50 5.87 20

Work Order: 2104008
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-31898		SampType: MBLK		Units: µg/L		Prep Date: 4/7/2021			RunNo: 66433		
Client ID: MBLKW		Batch ID: 31898					Analysis Date: 4/8/2021			SeqNo: 1336520	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benz(a)anthracene	ND	0.0983									
Chrysene	ND	0.0983									
Benzo(b)fluoranthene	ND	0.0983									
Benzo(k)fluoranthene	ND	0.0983									
Benzo(a)pyrene	ND	0.0983									
Indeno(1,2,3-cd)pyrene	ND	0.0983									
Dibenz(a,h)anthracene	ND	0.0983									
Surr: 2-Fluorobiphenyl	1.71		1.967		86.7	47.6	142				
Surr: Terphenyl-d14	1.86		1.967		94.4	15.9	137				

Sample ID: LCS-31898		SampType: LCS			Units: µg/L		Prep Date: 4/7/2021			RunNo: 66433		
Client ID: LCSW		Batch ID: 31898			Analysis Date: 4/8/2021			SeqNo: 1336521				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	3.06	0.0996	3.984	0	76.8	37.6	130				
Chrysene	2.86	0.0996	3.984	0	71.9	36.3	112				
Benzo(b)fluoranthene	2.92	0.0996	3.984	0	73.2	26.7	120				
Benzo(k)fluoranthene	3.13	0.0996	3.984	0	78.5	16.4	121				
Benzo(a)pyrene	3.22	0.0996	3.984	0	80.9	20.1	127				
Indeno(1,2,3-cd)pyrene	2.85	0.0996	3.984	0	71.4	14.6	106				
Dibenz(a,h)anthracene	2.89	0.0996	3.984	0	72.6	12.5	106				
Surr: 2-Fluorobiphenyl	1.59		1.992		79.9	47.6	142				
Surr: Terphenyl-d14	1.71		1.992		86.0	15.9	137				

Sample ID: LCS-31898		SampType: LCS			Units: µg/L		Prep Date: 4/7/2021			RunNo: 66433		
Client ID: LCSW02		Batch ID: 31898			Analysis Date: 4/8/2021			SeqNo: 1336522				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	3.29	0.0994	3.978	0	82.7	37.6	130	3.060	7.27	30	
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Work Order: 2104008
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCSD-31898		SampType: LCSD		Units: µg/L		Prep Date: 4/7/2021			RunNo: 66433		
Client ID: LCSW02		Batch ID: 31898		Analysis Date: 4/8/2021					SeqNo: 1336522		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	3.07	0.0994	3.978	0	77.2	36.3	112	2.864	6.95	30	
Benzo(b)fluoranthene	3.51	0.0994	3.978	0	88.2	26.7	120	2.915	18.4	30	
Benzo(k)fluoranthene	2.94	0.0994	3.978	0	74.0	16.4	121	3.128	6.12	30	
Benzo(a)pyrene	3.49	0.0994	3.978	0	87.7	20.1	127	3.223	7.86	30	
Indeno(1,2,3-cd)pyrene	3.11	0.0994	3.978	0	78.1	14.6	106	2.846	8.78	30	
Dibenz(a,h)anthracene	3.17	0.0994	3.978	0	79.6	12.5	106	2.892	9.01	30	
Surr: 2-Fluorobiphenyl	1.63		1.989		81.9	47.6	142		0	0	
Surr: Terphenyl-d14	1.81		1.989		91.1	15.9	137		0	0	

Sample ID: 2103065-006IMS		SampType: MS		Units: µg/L		Prep Date: 4/7/2021			RunNo: 66433		
Client ID: BATCH		Batch ID: 31898		Analysis Date: 4/8/2021					SeqNo: 1337277		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2.95	0.0992	3.969	0	74.2	28.5	109				H
Chrysene	2.89	0.0992	3.969	0	72.8	25.8	96.9				H
Benzo(b)fluoranthene	3.02	0.0992	3.969	0	76.2	10.3	99.5				H
Benzo(k)fluoranthene	3.15	0.0992	3.969	0	79.3	6.1	98.9				H
Benzo(a)pyrene	3.44	0.0992	3.969	0	86.6	6.94	99.7				H
Indeno(1,2,3-cd)pyrene	2.71	0.0992	3.969	0	68.3	2.48	78.2				H
Dibenz(a,h)anthracene	2.75	0.0992	3.969	0	69.2	5	75				H
Surr: 2-Fluorobiphenyl	1.59		1.984		80.2	47.6	142				H
Surr: Terphenyl-d14	1.61		1.984		81.0	15.9	137				H

Sample ID: MB-31939		SampType: MBLK		Units: µg/L		Prep Date: 4/9/2021			RunNo: 66497		
Client ID: MBLKW		Batch ID: 31939					Analysis Date: 4/12/2021			SeqNo: 1337947	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	0.0991									
Chrysene	ND	0.0991									

Work Order: 2104008
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-31939		SampType: MBLK		Units: µg/L		Prep Date: 4/9/2021			RunNo: 66497		
Client ID: MBLKW		Batch ID: 31939				Analysis Date: 4/12/2021			SeqNo: 1337947		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	ND	0.0991									
Benzo(k)fluoranthene	ND	0.0991									
Benzo(a)pyrene	ND	0.0991									
Indeno(1,2,3-cd)pyrene	ND	0.0991									
Dibenz(a,h)anthracene	ND	0.0991									
Surr: 2-Fluorobiphenyl	1.77		1.981		89.5	47.6	142				
Surr: Terphenyl-d14	2.45		1.981		124	15.9	137				

Sample ID: LCS-31939		SampType: LCS		Units: µg/L		Prep Date: 4/9/2021			RunNo: 66497		
Client ID: LCSW		Batch ID: 31939					Analysis Date: 4/12/2021			SeqNo: 1337948	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.61	0.0992	3.969	0	91.0	37.6	130				
Chrysene	3.45	0.0992	3.969	0	87.0	36.3	112				
Benzo(b)fluoranthene	3.91	0.0992	3.969	0	98.6	26.7	120				
Benzo(k)fluoranthene	3.50	0.0992	3.969	0	88.3	16.4	121				
Benzo(a)pyrene	3.88	0.0992	3.969	0	97.7	20.1	127				
Indeno(1,2,3-cd)pyrene	3.63	0.0992	3.969	0	91.5	14.6	106				
Dibenz(a,h)anthracene	3.68	0.0992	3.969	0	92.8	12.5	106				
Surr: 2-Fluorobiphenyl	1.56		1.984		78.5	47.6	142				
Surr: Terphenyl-d14	1.97		1.984		99.2	15.9	137				

Sample ID: LCS-31939		SampType: LCS		Units: µg/L		Prep Date: 4/9/2021			RunNo: 66497		
Client ID: LCSW02		Batch ID: 31939					Analysis Date: 4/12/2021			SeqNo: 1337949	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.66	0.0994	3.976	0	92.0	37.6	130	3.611	1.24	30	
Chrysene	3.63	0.0994	3.976	0	91.3	36.3	112	3.454	4.95	30	
Benzo(b)fluoranthene	3.70	0.0994	3.976	0	93.0	26.7	120	3.911	5.59	30	

Work Order: 2104008
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCSD-31939	SampType: LCSD	Units: µg/L				Prep Date: 4/9/2021			RunNo: 66497		
Client ID: LCSW02	Batch ID: 31939	Analysis Date: 4/12/2021							SeqNo: 1337949		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	4.05	0.0994	3.976	0	102	16.4	121	3.504	14.5	30	
Benzo(a)pyrene	4.07	0.0994	3.976	0	102	20.1	127	3.876	4.99	30	
Indeno(1,2,3-cd)pyrene	3.79	0.0994	3.976	0	95.4	14.6	106	3.630	4.44	30	
Dibenz(a,h)anthracene	3.90	0.0994	3.976	0	98.0	12.5	106	3.681	5.71	30	
Surr: 2-Fluorobiphenyl	1.56		1.988		78.3	47.6	142		0	0	
Surr: Terphenyl-d14	2.02		1.988		102	15.9	137		0	0	

Sample ID: 2104129-001BMS		SampType: MS		Units: µg/L		Prep Date: 4/9/2021			RunNo: 66497		
Client ID: BATCH		Batch ID: 31939		Analysis Date: 4/12/2021					SeqNo: 1337953		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.11	0.0990	3.961	0	78.6	28.5	109				
Chrysene	3.08	0.0990	3.961	0	77.9	25.8	96.9				
Benzo(b)fluoranthene	3.48	0.0990	3.961	0	87.8	10.3	99.5				
Benzo(k)fluoranthene	3.03	0.0990	3.961	0	76.5	6.1	98.9				
Benzo(a)pyrene	3.26	0.0990	3.961	0	82.2	6.94	99.7				
Indeno(1,2,3-cd)pyrene	3.19	0.0990	3.961	0	80.5	2.48	78.2				S
Dibenz(a,h)anthracene	3.26	0.0990	3.961	0	82.2	5	75				S
Surr: 2-Fluorobiphenyl	1.06		1.980		53.6	47.6	142				
Surr: Terphenyl-d14	1.76		1.980		88.9	15.9	137				

NOTES:

S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS).

Client Name: **LIBBY**
 Logged by: **Gabrielle Coeulle**

Work Order Number: **2104008**
 Date Received: **4/1/2021 9:45:00 AM**

Chain of Custody

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

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:	<u>Sherrv Chilcutt</u>	Date:	<u>4/7/2021</u>
By Whom:	<u>Brianna Barnes</u>	Via:	☒ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	<u>PAH extraction error in original run. Requesting authorization to re-extract out of hold.</u>		
Client Instructions:	<u>See additional remarks</u>		

19. Additional remarks:

OK to re-extract out of hold. Will provide additional volume for MW5 (volume was consumed in first extraction).

Item Information

Item #	Temp °C
Sample 1	3.4

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

Client Name: **LIBBY**
 Logged by: **Brianna Barnes**

Work Order Number: **2104008**
 Date Received: **4/1/2021 9:45:00 AM**

Chain of Custody

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

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:

Additional volume for "MW5" received 4/8/2021 @ 0918.

Item Information

Item #	Temp °C
Sample	5.9

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

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Ph: 360-352-2110

Fax: 360-352-4154

Chain of Custody Record

2104008

www.LibbyEnvironmental.com

Client: Libby Environmental, Inc.

Address: See Above

City: State: Zip:

Phone: Fax:

Client Project # L210331-3

Date: 3/31/21

Page: 1 of 1

Project Manager: Kaley Eley

Project Name: BLT Trucking

Location:

City, State: Kent, WA

Collector: SRB

Date of Collection: 3/30/21

Email: Libbyenv@gmail.com

Page 17 of 17

	Sample Number	Depth	Time	Sample Type	Container Type															Field Notes			
						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	Hg Total					
1	MW 5	—	1001	H2O	11 Lamber + Poly x 2											X			X				
2	MW 1	—	1052	I	I												X		X				
3	MW 4	—	1150	I	I												X		X				
4	MW 3	—	1246	I	I												X		X				
5	MW 2	—	1323	I	I												X		X				
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							

Relinquished by: <i>KPK</i>	Date / Time 3/31/21 1030	Received by: <i>URS</i>	Date / Time	Sample Receipt Good Condition? Y N Cooler Temp. °C Sample Temp. °C Total Number of Containers	Remarks: Standard 5 Day TAT * Hold Filtered Bottles for possible Diss Hg TAT: 24HR 48HR 5-DAY
Relinquished by: <i>URS</i>	Date / Time	Received by:	Date / Time 4/1/21 9:45		
Relinquished by:	Date / Time	Received by:	Date / Time		



Libby Environmental, Inc.

3322 South Bay Road NE • Olympia, WA 98506-2957

June 24, 2021

Charles McFadden
ECI
P.O. Box 153
Fox Island, WA 98333

Dear Mr. McFadden:

Please find enclosed the analytical data report for the BLT Trucking 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.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Road NE

Ph: 360-352-2110

Olympia, WA 98506

Fax: 360-352-4154

Client: ECI

Date: 6/15/2012

Page: 1

of 1

Address: P.O. BOX 153

Project Manager: CHARLES MCFADDEN

City: FOX ISLAND

State: WA Zip: 98333

Project Name: BLT TRUCKING

Phone: 253-318-3864

Fax:

Location: KENT WA

City, State:

Client Project # 0611-01-03-02

Collector: SRB/CEL

Date of Collection: 6/15/2012

Email: CHARLES@AUECI.COM



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	PAH 8270	Semi Vol 8270	Field Notes
1		0935	WATER	① ILAMBER	X	X	X	X	X	X	X	X				
2		1027		② POLY												
3		1111		③ VOAS												
4		1135														
5		1228														
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																

Relinquished by: <u>[Signature]</u>	Date / Time: <u>6/15/21 1434</u>	Received by: <u>[Signature]</u>	Date / Time: <u>6/15/21 1434</u>	Sample Receipt		Remarks: <u>RUN DISOLVED MTCA 5 IF ANY TOTAL DETECTIONS EXCEED CML'S</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:	Good Condition?	Y N	
				Cooler Temp.	°C	
				Sample Temp.	°C	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Total Number of Containers		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.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210615-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Sample Description		Method Blank	MW5	MW5 Dup	MW4	MW3	MW1
Date Sampled		N/A	6/15/2021	6/15/2021	6/15/2021	6/15/2021	6/15/2021
Date Analyzed	PQL (µg/L)	6/16/2021 (µg/L)	6/16/2021 (µg/L)	6/16/2021 (µg/L)	6/16/2021 (µg/L)	6/16/2021 (µg/L)	6/16/2021 (µg/L)
Benzene	1.0	nd	nd	nd	nd	nd	nd
Toluene	2.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd	nd
Total Xylenes	2.0	nd	nd	nd	nd	nd	nd
Gasoline	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		122	126	131	128	119	127
1,2-Dichloroethane-d4		111	112	115	117	116	112
Toluene-d8		97	98	97	97	96	97
4-Bromofluorobenzene		93	92	93	91	95	93

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210615-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Sample Description		MW2
Date Sampled		6/15/2021
Date Analyzed	PQL	6/16/2021
	(µg/L)	(µg/L)
Benzene	1.0	nd
Toluene	2.0	nd
Ethylbenzene	1.0	nd
Total Xylenes	2.0	nd
Gasoline	100	nd
Surrogate Recovery		
Dibromofluoromethane		123
1,2-Dichloroethane-d4		114
Toluene-d8		97
4-Bromofluorobenzene		93

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210615-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

QA/QC for Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Matrix Spike Sample Identification: MW5								
Date Analyzed: 6/16/2021								
	Spiked Conc. (µg/L)	MS Response (µg/L)	MSD Response (µg/L)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Benzene	5.0	6.0	6.1	120	122	1.8	65-135	
Toluene	5.0	5.6	5.9	112	119	6.3	65-135	
Ethylbenzene	5.0	5.7	5.8	113	115	2.1	65-135	
Total Xylenes	15.0	17.1	17.3	114	115	1.2	65-135	
Surrogate Recovery (%)								
				MS	MSD			
Dibromofluoromethane				131	129		65-135	
1,2-Dichloroethane-d4				115	114		65-135	
Toluene-d8				98	97		65-135	
4-Bromofluorobenzene				93	93		65-135	

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Laboratory Control Sample

Date Analyzed: 6/16/2021					
	Spiked Conc. (µg/L)	LCS Response (µg/L)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Benzene	5.0	5.9	117	80-120	
Toluene	5.0	5.8	116	80-120	
Ethylbenzene	5.0	5.7	115	80-120	
Total Xylenes	15.0	17.6	117	80-120	
Surrogate Recovery					
Dibromofluoromethane			115	65-135	
1,2-Dichloroethane-d4			109	65-135	
Toluene-d8			98	65-135	
4-Bromofluorobenzene			97	65-135	

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210331-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (µg/L)	Oil (µg/L)
Method Blank	6/16/2021	84	nd	nd
MW5	6/16/2021	91	nd	nd
MW5 Dup	6/16/2021	81	nd	nd
MW4	6/16/2021	92	nd	nd
MW3	6/16/2021	87	nd	nd
MW1	6/16/2021	92	nd	nd
MW2	6/16/2021	80	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

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210615-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	Method	LCS	LCSD	MW5	MW4	MW3
		Blank					
Date Sampled		N/A	N/A	N/A	6/15/2021	6/15/2021	6/15/2021
Date Analyzed		6/15/2021	6/15/2021	6/15/2021	6/15/2021	6/15/2021	6/15/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	95%	114%	nd	nd	nd
Aroclor 1221	0.02	nd			nd	nd	nd
Aroclor 1232	0.02	nd			nd	nd	nd
Aroclor 1242	0.02	nd			nd	nd	nd
Aroclor 1248	0.02	nd			nd	nd	nd
Aroclor 1254	0.02	nd			nd	nd	nd
Aroclor 1260	0.02	nd	96%	83%	nd	nd	nd
Surrogate Recovery							
TCMX		83	80	121	127	134	131
DCBP		90	116	127	111	118	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

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210615-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	MW1	MW2
Date Sampled		6/15/2021	6/15/2021
Date Analyzed		6/15/2021	6/15/2021
	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	nd
Aroclor 1221	0.02	nd	nd
Aroclor 1232	0.02	nd	nd
Aroclor 1242	0.02	nd	nd
Aroclor 1248	0.02	nd	nd
Aroclor 1254	0.02	nd	nd
Aroclor 1260	0.02	nd	nd
Surrogate Recovery			
TCMX		133	77
DCBP		108	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: Paul Burke

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210615-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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	6/18/2021	nd	nd	nd	nd
MW5	6/18/2021	nd	nd	nd	13
MW5 Dup	6/18/2021	nd	nd	nd	17
MW4	6/18/2021	nd	nd	nd	4.3
MW3	6/18/2021	nd	nd	nd	6.7
MW1	6/18/2021	nd	nd	nd	5.9
MW2	6/18/2021	nd	nd	nd	nd
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

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	6/18/2021	110%	113%	103%	103%
MW5 MS	6/18/2021	108%	93%	108%	99%
MW5 MSD	6/18/2021	107%	91%	105%	98%
RPD	6/18/2021	1%	2%	3%	1%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Kodey Eley

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

BLT TRUCKING PROJECT

ECI

Libby Project # L210615-3

Date Received 6/15/21 14:34

Received By KD

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) | <u>6.0 °C</u> | | |
| 8. Temperature of sample(s) (0°C to 8°C recommended) | <u>14.8 °C</u> | | |
| 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. _____



Fremont
Analytical

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

Libby Environmental
Sherry Chilcutt
3322 South Bay Road NE
Olympia, WA 98506

RE: BLT Trucking
Work Order Number: 2106291

June 23, 2021

Attention Sherry Chilcutt:

Fremont Analytical, Inc. received 5 sample(s) on 6/16/2021 for the analyses presented in the following report.

Mercury by EPA Method 245.1

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

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

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

www.fremontanalytical.com

CLIENT: Libby Environmental
Project: BLT Trucking
Work Order: 2106291

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106291-001	MW1	06/15/2021 11:35 AM	06/16/2021 9:04 AM
2106291-002	MW2	06/15/2021 12:28 PM	06/16/2021 9:04 AM
2106291-003	MW3	06/15/2021 11:11 AM	06/16/2021 9:04 AM
2106291-004	MW4	06/15/2021 10:27 AM	06/16/2021 9:04 AM
2106291-005	MW5	06/15/2021 9:35 AM	06/16/2021 9:04 AM

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

CLIENT: Libby Environmental
Project: BLT Trucking

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
- 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
- MCL - Maximum Contaminant Level
- 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: 2106291

Date Reported: 6/23/2021

Client: Libby Environmental

Collection Date: 6/15/2021 11:35:00 AM

Project: BLT Trucking

Lab ID: 2106291-001

Matrix: Water

Client Sample ID: MW1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32680

Analyst: SB

Benz(a)anthracene	ND	0.0984		µg/L	1	6/17/2021 8:31:08 PM
Chrysene	ND	0.0984		µg/L	1	6/17/2021 8:31:08 PM
Benzo(b)fluoranthene	ND	0.0984		µg/L	1	6/17/2021 8:31:08 PM
Benzo(k)fluoranthene	ND	0.0984		µg/L	1	6/17/2021 8:31:08 PM
Benzo(a)pyrene	ND	0.0984		µg/L	1	6/17/2021 8:31:08 PM
Indeno(1,2,3-cd)pyrene	ND	0.0984		µg/L	1	6/17/2021 8:31:08 PM
Dibenz(a,h)anthracene	ND	0.0984		µg/L	1	6/17/2021 8:31:08 PM
Surr: 2-Fluorobiphenyl	108	33.2 - 139		%Rec	1	6/17/2021 8:31:08 PM
Surr: Terphenyl-d14	121	24.6 - 136		%Rec	1	6/17/2021 8:31:08 PM

Mercury by EPA Method 245.1

Batch ID: 32754

Analyst: LB

Mercury	ND	0.100		µg/L	1	6/23/2021 4:58:30 PM
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Analytical Report

Work Order: 2106291

Date Reported: 6/23/2021

Client: Libby Environmental

Collection Date: 6/15/2021 12:28:00 PM

Project: BLT Trucking

Lab ID: 2106291-002

Matrix: Water

Client Sample ID: MW2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32680

Analyst: SB

Benz(a)anthracene	ND	0.0986		µg/L	1	6/17/2021 8:52:34 PM
Chrysene	ND	0.0986		µg/L	1	6/17/2021 8:52:34 PM
Benzo(b)fluoranthene	ND	0.0986		µg/L	1	6/17/2021 8:52:34 PM
Benzo(k)fluoranthene	ND	0.0986		µg/L	1	6/17/2021 8:52:34 PM
Benzo(a)pyrene	ND	0.0986		µg/L	1	6/17/2021 8:52:34 PM
Indeno(1,2,3-cd)pyrene	ND	0.0986		µg/L	1	6/17/2021 8:52:34 PM
Dibenz(a,h)anthracene	ND	0.0986		µg/L	1	6/17/2021 8:52:34 PM
Surr: 2-Fluorobiphenyl	112	33.2 - 139		%Rec	1	6/17/2021 8:52:34 PM
Surr: Terphenyl-d14	123	24.6 - 136		%Rec	1	6/17/2021 8:52:34 PM

Mercury by EPA Method 245.1

Batch ID: 32754

Analyst: LB

Mercury	ND	0.100		µg/L	1	6/23/2021 5:05:44 PM
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Client: Libby Environmental

Collection Date: 6/15/2021 11:11:00 AM

Project: BLT Trucking

Lab ID: 2106291-003

Matrix: Water

Client Sample ID: MW3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32680

Analyst: SB

Benz(a)anthracene	ND	0.0998		µg/L	1	6/17/2021 9:14:05 PM
Chrysene	ND	0.0998		µg/L	1	6/17/2021 9:14:05 PM
Benzo(b)fluoranthene	ND	0.0998		µg/L	1	6/17/2021 9:14:05 PM
Benzo(k)fluoranthene	ND	0.0998		µg/L	1	6/17/2021 9:14:05 PM
Benzo(a)pyrene	ND	0.0998		µg/L	1	6/17/2021 9:14:05 PM
Indeno(1,2,3-cd)pyrene	ND	0.0998		µg/L	1	6/17/2021 9:14:05 PM
Dibenz(a,h)anthracene	ND	0.0998		µg/L	1	6/17/2021 9:14:05 PM
Surr: 2-Fluorobiphenyl	103	33.2 - 139		%Rec	1	6/17/2021 9:14:05 PM
Surr: Terphenyl-d14	88.3	24.6 - 136		%Rec	1	6/17/2021 9:14:05 PM

Mercury by EPA Method 245.1

Batch ID: 32754

Analyst: LB

Mercury	ND	0.100		µg/L	1	6/23/2021 5:07:26 PM
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Analytical Report

Work Order: 2106291
Date Reported: 6/23/2021

Client: Libby Environmental

Collection Date: 6/15/2021 10:27:00 AM

Project: BLT Trucking

Lab ID: 2106291-004

Matrix: Water

Client Sample ID: MW4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32680

Analyst: SB

Benz(a)anthracene	ND	0.0990		µg/L	1	6/17/2021 9:35:35 PM
Chrysene	ND	0.0990		µg/L	1	6/17/2021 9:35:35 PM
Benzo(b)fluoranthene	ND	0.0990		µg/L	1	6/17/2021 9:35:35 PM
Benzo(k)fluoranthene	ND	0.0990		µg/L	1	6/17/2021 9:35:35 PM
Benzo(a)pyrene	ND	0.0990		µg/L	1	6/17/2021 9:35:35 PM
Indeno(1,2,3-cd)pyrene	ND	0.0990		µg/L	1	6/17/2021 9:35:35 PM
Dibenz(a,h)anthracene	ND	0.0990		µg/L	1	6/17/2021 9:35:35 PM
Surr: 2-Fluorobiphenyl	107	33.2 - 139		%Rec	1	6/17/2021 9:35:35 PM
Surr: Terphenyl-d14	76.9	24.6 - 136		%Rec	1	6/17/2021 9:35:35 PM

Mercury by EPA Method 245.1

Batch ID: 32754

Analyst: LB

Mercury	ND	0.100		µg/L	1	6/23/2021 5:09:09 PM
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Analytical Report

Work Order: 2106291
Date Reported: 6/23/2021

Client: Libby Environmental

Collection Date: 6/15/2021 9:35:00 AM

Project: BLT Trucking

Lab ID: 2106291-005

Matrix: Water

Client Sample ID: MW5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32709

Analyst: SB

Benz(a)anthracene	ND	0.0982		µg/L	1	6/22/2021 1:12:11 PM
Chrysene	ND	0.0982		µg/L	1	6/22/2021 1:12:11 PM
Benzo(b)fluoranthene	ND	0.0982		µg/L	1	6/22/2021 1:12:11 PM
Benzo(k)fluoranthene	ND	0.0982		µg/L	1	6/22/2021 1:12:11 PM
Benzo(a)pyrene	ND	0.0982		µg/L	1	6/22/2021 1:12:11 PM
Indeno(1,2,3-cd)pyrene	ND	0.0982		µg/L	1	6/22/2021 1:12:11 PM
Dibenz(a,h)anthracene	ND	0.0982		µg/L	1	6/22/2021 1:12:11 PM
Surr: 2-Fluorobiphenyl	82.0	33.2 - 139		%Rec	1	6/22/2021 1:12:11 PM
Surr: Terphenyl-d14	105	24.6 - 136		%Rec	1	6/22/2021 1:12:11 PM

Mercury by EPA Method 245.1

Batch ID: 32754

Analyst: LB

Mercury	ND	0.100		µg/L	1	6/23/2021 5:10:50 PM
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Work Order: 2106291
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: MB-32754		SampType: MBLK			Units: µg/L		Prep Date: 6/23/2021			RunNo: 68167		
Client ID: MBLKW		Batch ID: 32754			Analysis Date: 6/23/2021					SeqNo: 1376033		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury ND 0.100

Sample ID: LCS-32754		SampType: LCS			Units: µg/L		Prep Date: 6/23/2021			RunNo: 68167		
Client ID: LCSW		Batch ID: 32754			Analysis Date: 6/23/2021			SeqNo: 1376034				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.74 0.100 2.500 0 110 85 115

Sample ID: 2106281-025CDUP		SampType: DUP			Units: µg/L		Prep Date: 6/23/2021			RunNo: 68167		
Client ID: BATCH		Batch ID: 32754			Analysis Date: 6/23/2021			SeqNo: 1376036				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 0.196 0.100 0.1740 11.9 20

Sample ID: 2106281-025CMS		SampType: MS			Units: µg/L		Prep Date: 6/23/2021			RunNo: 68167		
Client ID: BATCH		Batch ID: 32754			Analysis Date: 6/23/2021			SeqNo: 1376037				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.80 0.100 2.500 0.1740 105 70 130

Sample ID: 2106281-025CMSD		SampType: MSD			Units: µg/L		Prep Date: 6/23/2021			RunNo: 68167		
Client ID: BATCH		Batch ID: 32754			Analysis Date: 6/23/2021			SeqNo: 1376038				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.82 0.100 2.500 0.1740 106 70 130 2.800 0.712 20

Work Order: 2106291
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-32680		SampType: MBLK		Units: µg/L		Prep Date: 6/16/2021			RunNo: 68043			
Client ID: MBLKW		Batch ID: 32680					Analysis Date: 6/17/2021			SeqNo: 1373215		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	ND	0.0988									
Chrysene	ND	0.0988									
Benzo(b)fluoranthene	ND	0.0988									
Benzo(k)fluoranthene	ND	0.0988									
Benzo(a)pyrene	ND	0.0988									
Indeno(1,2,3-cd)pyrene	ND	0.0988									
Dibenz(a,h)anthracene	ND	0.0988									
Surr: 2-Fluorobiphenyl	1.88		1.975		95.2	33.2	139				
Surr: Terphenyl-d14	2.22		1.975		112	24.6	136				

Sample ID: LCS-32680		SampType: LCS			Units: µg/L		Prep Date: 6/16/2021			RunNo: 68043		
Client ID: LCSW		Batch ID: 32680			Analysis Date: 6/17/2021			SeqNo: 1373216				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	2.99	0.0981	3.926	0	76.1	33.1	130				
Chrysene	2.69	0.0981	3.926	0	68.5	34.7	113				
Benzo(b)fluoranthene	2.54	0.0981	3.926	0	64.8	24.9	128				
Benzo(k)fluoranthene	2.54	0.0981	3.926	0	64.8	21.3	131				
Benzo(a)pyrene	2.69	0.0981	3.926	0	68.6	23.2	139				
Indeno(1,2,3-cd)pyrene	2.27	0.0981	3.926	0	57.9	14.9	123				
Dibenz(a,h)anthracene	2.34	0.0981	3.926	0	59.6	12.2	125				
Surr: 2-Fluorobiphenyl	1.92		1.963		97.7	33.2	139				
Surr: Terphenyl-d14	1.98		1.963		101	24.6	136				

Sample ID: LCS-32680		SampType: LCS			Units: µg/L		Prep Date: 6/16/2021			RunNo: 68043		
Client ID: LCSW02		Batch ID: 32680						Analysis Date: 6/17/2021			SeqNo: 1373217	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	3.11	0.0981	3.925	0	79.2	33.1	130	2.987	3.98	30	
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Work Order: 2106291
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCSD-32680		SampType: LCSD		Units: µg/L		Prep Date: 6/16/2021			RunNo: 68043		
Client ID: LCSW02		Batch ID: 32680		Analysis Date: 6/17/2021					SeqNo: 1373217		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	2.87	0.0981	3.925	0	73.1	34.7	113	2.688	6.47	30	
Benzo(b)fluoranthene	2.77	0.0981	3.925	0	70.6	24.9	128	2.542	8.63	30	
Benzo(k)fluoranthene	2.72	0.0981	3.925	0	69.2	21.3	131	2.543	6.60	30	
Benzo(a)pyrene	2.93	0.0981	3.925	0	74.6	23.2	139	2.694	8.25	30	
Indeno(1,2,3-cd)pyrene	2.32	0.0981	3.925	0	59.1	14.9	123	2.274	2.04	30	
Dibenz(a,h)anthracene	2.38	0.0981	3.925	0	60.7	12.2	125	2.338	1.80	30	
Surr: 2-Fluorobiphenyl	1.89		1.962		96.5	33.2	139		0	0	
Surr: Terphenyl-d14	2.17		1.962		110	24.6	136		0	0	

Sample ID: 2106223-001CMS		SampType: MS		Units: µg/L		Prep Date: 6/16/2021			RunNo: 68043		
Client ID: BATCH		Batch ID: 32680					Analysis Date: 6/17/2021			SeqNo: 1373235	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.02	0.0992	3.968	0	76.2	25.3	122				
Chrysene	2.71	0.0992	3.968	0	68.3	22.8	111				
Benzo(b)fluoranthene	2.63	0.0992	3.968	0	66.2	8.57	125				
Benzo(k)fluoranthene	2.55	0.0992	3.968	0	64.2	7.05	124				
Benzo(a)pyrene	2.87	0.0992	3.968	0	72.3	9.61	130				
Indeno(1,2,3-cd)pyrene	2.04	0.0992	3.968	0	51.5	5	120				
Dibenz(a,h)anthracene	2.09	0.0992	3.968	0	52.6	5	122				
Surr: 2-Fluorobiphenyl	2.16		1.984		109	33.2	139				
Surr: Terphenyl-d14	2.01		1.984		101	24.6	136				

Sample ID: MB-32709		SampType: MBLK		Units: µg/L		Prep Date: 6/18/2021			RunNo: 68136		
Client ID: MBLKW		Batch ID: 32709					Analysis Date: 6/22/2021			SeqNo: 1375210	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	0.0994									
Chrysene	ND	0.0994									

Work Order: 2106291
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-32709	SampType: MBLK	Units: µg/L				Prep Date: 6/18/2021				RunNo: 68136		
Client ID: MBLKW	Batch ID: 32709					Analysis Date: 6/22/2021				SeqNo: 1375210		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzo(b)fluoranthene	ND	0.0994										
Benzo(k)fluoranthene	ND	0.0994										
Benzo(a)pyrene	ND	0.0994										
Indeno(1,2,3-cd)pyrene	ND	0.0994										
Dibenz(a,h)anthracene	ND	0.0994										
Surr: 2-Fluorobiphenyl	1.64		1.988		82.6	33.2	139					
Surr: Terphenyl-d14	2.15		1.988		108	24.6	136					

Sample ID: LCS-32709	SampType: LCS	Units: µg/L				Prep Date: 6/18/2021			RunNo: 68136		
Client ID: LCSW	Batch ID: 32709	Analysis Date: 6/22/2021						SeqNo: 1375211			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.21	0.0997	3.986	0	80.5	33.1	130				
Chrysene	2.78	0.0997	3.986	0	69.9	34.7	113				
Benzo(b)fluoranthene	3.13	0.0997	3.986	0	78.6	24.9	128				
Benzo(k)fluoranthene	2.92	0.0997	3.986	0	73.2	21.3	131				
Benzo(a)pyrene	3.24	0.0997	3.986	0	81.3	23.2	139				
Indeno(1,2,3-cd)pyrene	2.96	0.0997	3.986	0	74.3	14.9	123				
Dibenz(a,h)anthracene	3.05	0.0997	3.986	0	76.5	12.2	125				
Surr: 2-Fluorobiphenyl	1.55		1.993		78.0	33.2	139				
Surr: Terphenyl-d14	2.10		1.993		105	24.6	136				

Sample ID: LCS-32709		SampType: LCS		Units: µg/L		Prep Date: 6/18/2021			RunNo: 68136		
Client ID: LCSW02		Batch ID: 32709		Analysis Date: 6/22/2021						SeqNo: 1375212	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.39	0.0992	3.966	0	85.5	33.1	130	3.208	5.52	30	
Chrysene	3.03	0.0992	3.966	0	76.4	34.7	113	2.785	8.45	30	
Benzo(b)fluoranthene	3.13	0.0992	3.966	0	79.0	24.9	128	3.135	0.0227	30	

Work Order: 2106291
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCSD-32709		SampType: LCSD		Units: µg/L		Prep Date: 6/18/2021			RunNo: 68136		
Client ID: LCSW02		Batch ID: 32709				Analysis Date: 6/22/2021			SeqNo: 1375212		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	3.42	0.0992	3.966	0	86.2	21.3	131	2.918	15.8	30	
Benzo(a)pyrene	3.52	0.0992	3.966	0	88.7	23.2	139	3.242	8.13	30	
Indeno(1,2,3-cd)pyrene	3.19	0.0992	3.966	0	80.5	14.9	123	2.963	7.52	30	
Dibenz(a,h)anthracene	3.29	0.0992	3.966	0	82.8	12.2	125	3.048	7.52	30	
Surr: 2-Fluorobiphenyl	1.79		1.983		90.1	33.2	139		0	0	
Surr: Terphenyl-d14	2.24		1.983		113	24.6	136		0	0	

Sample ID: 2106291-005AMS		SampType: MS		Units: µg/L		Prep Date: 6/18/2021			RunNo: 68136		
Client ID: MW5		Batch ID: 32709					Analysis Date: 6/22/2021			SeqNo: 1375214	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2.99	0.112	4.498	0	66.4	25.3	122				
Chrysene	2.70	0.112	4.498	0	59.9	22.8	111				
Benzo(b)fluoranthene	2.90	0.112	4.498	0	64.4	8.57	125				
Benzo(k)fluoranthene	2.83	0.112	4.498	0	63.0	7.05	124				
Benzo(a)pyrene	3.14	0.112	4.498	0	69.8	9.61	130				
Indeno(1,2,3-cd)pyrene	2.75	0.112	4.498	0	61.1	5	120				
Dibenz(a,h)anthracene	2.84	0.112	4.498	0	63.0	5	122				
Surr: 2-Fluorobiphenyl	1.79		2.249		79.8	33.2	139				
Surr: Terphenyl-d14	1.97		2.249		87.6	24.6	136				

Client Name: **LIBBY**

Work Order Number: **2106291**

Logged by: **Gabrielle Coeuille**

Date Received: **6/16/2021 9:04:00 AM**

Chain of Custody

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

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 °C
Sample 1	3.8

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



Libby Environmental, Inc.

3322 South Bay Road NE • Olympia, WA 98506-2957

July 1, 2021

Charles McFadden
ECI
P.O. Box 153
Fox Island, WA 98333

Dear Mr. McFadden:

Please find enclosed the analytical data report for the BLT Trucking 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,

A handwritten signature in black ink, appearing to read "Sherry L. Chilcutt".

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

3322 South Bay Road NE

Ph: 360-352-2110

Olympia, WA 98506

Fax: 360-352-4154

Client: ECI

Address: P.O. BOX 153

City: FOX ISLAND

State: WA Zip: 98333

Phone: 253-318-3864

Fax:

Client Project # 0611-01-03-02

Chain of Custody Record

www.LibbyEnvironmental.com

Date: 6/15/2012

Page: 1 of 1

Project Manager: CHARLES MCFADDEN

Project Name: BLT TRUCKING

Location: KENT, WA

City, State:

Collector: SRB/CEL

Date of Collection: 6/15/2012

Email: CHARLES@AUECT.COM



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	DISSOLVED AS	Field Notes
1		0935	WATER	① ILAMBER	X	X	X	X	X	X	X	X	X	X	X	X	X	6-24-21 ADD-ON
2		1027		② SPANLAMBER	X	X	X	X	X	X	X	X	X	X	X	X	X	REQUEST PER
3		1111		③ POLY	X	X	X	X	X	X	X	X	X	X	X	X	X	CHARLES VIA EMAIL.
4		1135		④ VOAS	X	X	X	X	X	X	X	X	X	X	X	X	X	STD TAT
5		1228			X	X	X	X	X	X	X	X	X	X	X	X	X	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>6/15/21 1434</u>	Received by: <u>[Signature]</u>	Date / Time: <u>6/15/21 1434</u>	Sample Receipt Good Condition? Y N Cooler Temp. °C Sample Temp. °C		Remarks: <u>RUN DISSOLVED MTCA 5 IF ANY TOTAL DETECTIONS EXCEED CUL'S</u> TAT: 24HR 48HR 5-DAY
Relinquished by:	Date / Time:	Received by:	Date / Time:	Total Number of Containers		
Relinquished by:	Date / Time:	Received by:	Date / Time:			

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.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210615-3B

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

Analyses of Dissolved Arsenic in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Arsenic (µg/L)
Method Blank	6/30/2021	nd
MW5	6/30/2021	23
MW3	6/30/2021	9.1
MW1	6/30/2021	18
MW1 Dup	6/30/2021	14
Practical Quantitation Limit		3.0
"nd" Indicates not detected at the listed detection limits.		

ANALYSES PERFORMED BY: Kodey Eley

QA/QC for Dissolved Arsenic in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Arsenic (% Recovery)
LCS	6/30/2021	110%
MW1 MS	6/30/2021	81%
MW1 MSD	6/30/2021	81%
RPD	6/30/2021	0%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Kodey Eley

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

BLT TRUCKING PROJECT

ECI

Libby Project # L210615-3B

Date Received 6/15/21 14:34

Received By KD

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) | <u>6.0 °C</u> | | |
| 8. Temperature of sample(s) (0°C to 8°C recommended) | <u>14.8 °C</u> | | |
| 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. _____

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4130 Libby Road NE

Ph: 360-352-2110

Olympia, WA 98506

Fax: 360-352-4154

Client: Libby Environmental, IncAddress: See Above

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Client Project # L210615-3Date: 6/15/20Page: 1 of 1Project Manager: Kodey Eley

Project Name: _____

Location: _____

City, State: Kent, WACollector: SRB/CZLDate of Collection: 6/15/21Email: Libbyenv@gmail.com

Page 16 of 16



Sample Number	Depth	Time	Sample Type	Container Type	pH	Turbidity	Oil & Grease	Zinc, Copper	Zinc, Copper, Lead	TSS	BOD 5	Nitrate/Nitrite	Total Phosphorus	COD	TPH	CPAH	Total Hg	Field Notes
1 MW1	—	1135	H2O	Poly											X	X		
2 MW2	—	1228													X	X		
3 MW3	—	1111													X	X		
4 MW4	—	1027													X	X		
5 MW5	—	0935													X	X		
6																		
7																		
8																		
9																		
10																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>6/15/21 1630</u>	Received by: <u>UPS</u>	Date / Time: _____	Sample Receipt		Remarks:
Relinquished by: <u>UPS</u>	Date / Time: _____	Received by: <u>[Signature]</u>	Date / Time: <u>6/15/21 0904</u>	Good Condition?	Y N	Record pH here:
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____	Temp.	°C	Standard TAT
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____	Seals Intact?	Y N N/A	
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____	Total Number of Containers		



Libby Environmental, Inc.

3322 South Bay Road NE • Olympia, WA 98506-2957

October 5, 2021

Kaden Reed
ECI
P.O. Box 153
Fox Island, WA 98333

Dear Mr. Reed:

Please find enclosed the analytical data report for the BLT Trucking 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,

A handwritten signature in black ink, appearing to read "Sherry L. Chilcutt".

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/23/21

Page: 1 of 1

Client: ECI

Project Manager: Kadir Reed

Address: PO Box 153

Project Name: BLT Touching

City: Fox Island State: WA Zip: 98333

Location: Kent, WA City, State: Kent, WA

Phone: Fax:

Collector: Charrel Long Date of Collection: 9/23/21

Client Project # 0611-01-03-02

Email: Kadir@Allcity.com



Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	NWTPH-Gx	BTEX 8021	NWTPH-HCID	NWTPH-Dx	c PAH 8270	PAH 8270	Semi Vol 8270	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	Field Notes
1 MW1	—	1435	W	24 Amber 1500ml	X	X		X	X			X	X			Dissolved metals on hold
2 MW2	—	1250		3 Vol												
3 MW3	—	1210		1 Hvos Poly												pending analysis
4 MW4	—	1355		1 unp. Poly												
5 MW5	—	1050														
6																MW1 Time: 1435
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																

Relinquished by: Charrel Long	Date / Time: 9/23/21 1610	Received by: [Signature]	Date / Time: 9/24/21 1657	Sample Receipt Good Condition? Y N Temp. °C Seals Intact? Y N N/A Total Number of Containers	Remarks: TAT: 24HR 48HR 5-DAY
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210924-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Sample Description		Method Blank	MW1	MW2	MW3	MW4	MW5
Date Sampled		N/A	9/23/2021	9/23/2021	9/23/2021	9/23/2021	9/23/2021
Date Analyzed	PQL (µg/L)	9/26/2021 (µg/L)	9/26/2021 (µg/L)	9/26/2021 (µg/L)	9/26/2021 (µg/L)	9/26/2021 (µg/L)	9/26/2021 (µg/L)
Benzene	1.0	nd	nd	nd	nd	nd	nd
Toluene	2.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd	nd
Total Xylenes	2.0	nd	nd	nd	nd	nd	nd
Gasoline	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		119	104	106	107	107	108
1,2-Dichloroethane-d4		117	101	104	105	98	103
Toluene-d8		96	92	90	92	92	92
4-Bromofluorobenzene		96	92	88	95	86	87

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210924-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Sample Description		MW5 Dup
Date Sampled		9/23/2021
Date Analyzed	PQL	9/26/2021
	(µg/L)	(µg/L)
Benzene	1.0	nd
Toluene	2.0	nd
Ethylbenzene	1.0	nd
Total Xylenes	2.0	nd
Gasoline	100	nd
Surrogate Recovery		
Dibromofluoromethane		109
1,2-Dichloroethane-d4		101
Toluene-d8		92
4-Bromofluorobenzene		87

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210924-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

QA/QC for Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Matrix Spike Sample Identification: MW5

Date Analyzed: 9/26/2021

	Spiked Conc. (µg/L)	MS Response (µg/L)	MSD Response (µg/L)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Benzene	5.0	4.5	5.0	90	100	10.5	65-135	
Toluene	5.0	4.6	5.0	92	100	8.3	65-135	
Ethylbenzene	5.0	4.3	4.8	86	96	11.0	65-135	
Total Xylenes	15.0	12.8	14.1	85	94	9.7	65-135	

Surrogate Recovery (%)

	MS	MSD	
Dibromofluoromethane	108	107	65-135
1,2-Dichloroethane-d4	101	104	65-135
Toluene-d8	96	94	65-135
4-Bromofluorobenzene	99	95	65-135

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Laboratory Control Sample

Date Analyzed: 9/26/2021

	Spiked Conc. (µg/L)	LCS Response (µg/L)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Benzene	5.0	5.9	117	80-120	
Toluene	5.0	6.0	120	80-120	
Ethylbenzene	5.0	5.5	109	80-120	
Total Xylenes	15.0	16.4	109	80-120	

Surrogate Recovery

Dibromofluoromethane	116	65-135
1,2-Dichloroethane-d4	110	65-135
Toluene-d8	97	65-135
4-Bromofluorobenzene	102	65-135

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210331-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (µg/L)	Oil (µg/L)
Method Blank	9/28/2021	71	nd	nd
MW1	9/28/2021	81	nd	nd
MW2	9/28/2021	65	nd	nd
MW3	9/28/2021	45	nd	nd
MW4	9/28/2021	110	nd	460
MW5	9/28/2021	94	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): 42% TO 150%

ANALYSES PERFORMED BY: Randolph Kraus

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210924-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	Method	LCS	LCSD	MW1	MW2	MW3
		Blank					
Date Sampled		N/A	N/A	N/A	9/23/2021	9/23/2021	9/23/2021
Date Analyzed		10/2/2021	10/2/2021	10/2/2021	10/2/2021	10/2/2021	10/2/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	106%	105%	nd	nd	nd
Aroclor 1221	0.02	nd			nd	nd	nd
Aroclor 1232	0.02	nd			nd	nd	nd
Aroclor 1242	0.02	nd			nd	nd	nd
Aroclor 1248	0.02	nd			nd	nd	nd
Aroclor 1254	0.02	nd			nd	nd	nd
Aroclor 1260	0.02	nd	106%	124%	nd	nd	nd
Surrogate Recovery							
TCMX		123	132	127	131	126	128
DCBP		126	124	126	114	122	126

"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

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210924-3
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	MW4	MW5
Date Sampled		9/23/2021	9/23/2021
Date Analyzed		10/2/2021	10/2/2021
	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	nd
Aroclor 1221	0.02	nd	nd
Aroclor 1232	0.02	nd	nd
Aroclor 1242	0.02	nd	nd
Aroclor 1248	0.02	nd	nd
Aroclor 1254	0.02	nd	nd
Aroclor 1260	0.02	nd	nd
Surrogate Recovery			
TCMX		112	130
DCBP		112	111

"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: Paul Burke

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L210924-3

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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	9/27/2021	nd	nd	nd	nd
MW1	9/27/2021	nd	nd	nd	3.1
MW1 Dup	9/27/2021	nd	nd	nd	3.0
MW2	9/27/2021	nd	nd	nd	nd
MW3	9/27/2021	nd	nd	nd	nd
MW4	9/27/2021	nd	nd	nd	7.4
MW5	9/27/2021	nd	nd	nd	nd
Practical Quantitation Limit		5.0	0.5	5.0	3.0
"nd" Indicates not detected at the listed detection limits.					

ANALYSES PERFORMED BY: Eric Welte

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	9/27/2021	115%	91%	92%	112%
MW5 MS	9/27/2021	116%	83%	116%	107%
MW5 MSD	9/27/2021	116%	85%	107%	117%
RPD	9/27/2021	0%	2%	8%	9%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Eric Welte

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

BLT TRUCKING PROJECT

ECI

Libby Project # L210924-3

Date Received 9/22/21 12:05

Received By KD

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) | <u>2.1 °C</u> | | |
| 8. Temperature of sample(s) (0°C to 8°C recommended) | <u>4.5 °C</u> | | |
| 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.



Fremont
Analytical

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: BLT Trucking
Work Order Number: 2109477

October 05, 2021

Attention Kodey Eley:

Fremont Analytical, Inc. received 5 sample(s) on 9/28/2021 for the analyses presented in the following report.

Mercury by EPA Method 245.1

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

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

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com

CLIENT: Libby Environmental
Project: BLT Trucking
Work Order: 2109477

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109477-001	MW1	09/23/2021 2:35 PM	09/28/2021 11:00 AM
2109477-002	MW2	09/23/2021 12:50 PM	09/28/2021 11:00 AM
2109477-003	MW3	09/23/2021 12:10 PM	09/28/2021 11:00 AM
2109477-004	MW4	09/23/2021 1:55 PM	09/28/2021 11:00 AM
2109477-005	MW5	09/23/2021 10:50 AM	09/28/2021 11:00 AM

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

CLIENT: Libby Environmental
Project: BLT Trucking

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
- 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
- MCL - Maximum Contaminant Level
- 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: 2109477

Date Reported: 10/5/2021

Client: Libby Environmental

Collection Date: 9/23/2021 2:35:00 PM

Project: BLT Trucking

Lab ID: 2109477-001

Matrix: Water

Client Sample ID: MW1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 33880

Analyst: SB

Benz(a)anthracene	ND	0.0994		µg/L	1	10/1/2021 1:23:11 PM
Chrysene	ND	0.0994		µg/L	1	10/1/2021 1:23:11 PM
Benzo(b)fluoranthene	ND	0.0994		µg/L	1	10/1/2021 1:23:11 PM
Benzo(k)fluoranthene	ND	0.0994		µg/L	1	10/1/2021 1:23:11 PM
Benzo(a)pyrene	ND	0.0994		µg/L	1	10/1/2021 1:23:11 PM
Indeno(1,2,3-cd)pyrene	ND	0.0994		µg/L	1	10/1/2021 1:23:11 PM
Dibenz(a,h)anthracene	ND	0.0994		µg/L	1	10/1/2021 1:23:11 PM
Surr: 2-Fluorobiphenyl	65.2	34.2 - 137		%Rec	1	10/1/2021 1:23:11 PM
Surr: Terphenyl-d14	79.1	37.3 - 150		%Rec	1	10/1/2021 1:23:11 PM

Mercury by EPA Method 245.1

Batch ID: 33869

Analyst: CH

Mercury	ND	0.100		µg/L	1	9/29/2021 3:41:18 PM
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Analytical Report

Work Order: 2109477
Date Reported: 10/5/2021

Client: Libby Environmental

Collection Date: 9/23/2021 12:50:00 PM

Project: BLT Trucking

Lab ID: 2109477-002

Matrix: Water

Client Sample ID: MW2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 33880

Analyst: SB

Benz(a)anthracene	ND	0.0992		µg/L	1	10/1/2021 1:44:48 PM
Chrysene	ND	0.0992		µg/L	1	10/1/2021 1:44:48 PM
Benzo(b)fluoranthene	ND	0.0992		µg/L	1	10/1/2021 1:44:48 PM
Benzo(k)fluoranthene	ND	0.0992		µg/L	1	10/1/2021 1:44:48 PM
Benzo(a)pyrene	ND	0.0992		µg/L	1	10/1/2021 1:44:48 PM
Indeno(1,2,3-cd)pyrene	ND	0.0992		µg/L	1	10/1/2021 1:44:48 PM
Dibenz(a,h)anthracene	ND	0.0992		µg/L	1	10/1/2021 1:44:48 PM
Surr: 2-Fluorobiphenyl	67.1	34.2 - 137		%Rec	1	10/1/2021 1:44:48 PM
Surr: Terphenyl-d14	79.7	37.3 - 150		%Rec	1	10/1/2021 1:44:48 PM

Mercury by EPA Method 245.1

Batch ID: 33869

Analyst: CH

Mercury	ND	0.100		µg/L	1	9/29/2021 3:42:59 PM
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Client: Libby Environmental

Collection Date: 9/23/2021 12:10:00 PM

Project: BLT Trucking

Lab ID: 2109477-003

Matrix: Water

Client Sample ID: MW3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 33880

Analyst: SB

Benz(a)anthracene	ND	0.0994		µg/L	1	10/1/2021 2:49:41 PM
Chrysene	ND	0.0994		µg/L	1	10/1/2021 2:49:41 PM
Benzo(b)fluoranthene	ND	0.0994		µg/L	1	10/1/2021 2:49:41 PM
Benzo(k)fluoranthene	ND	0.0994		µg/L	1	10/1/2021 2:49:41 PM
Benzo(a)pyrene	ND	0.0994		µg/L	1	10/1/2021 2:49:41 PM
Indeno(1,2,3-cd)pyrene	ND	0.0994		µg/L	1	10/1/2021 2:49:41 PM
Dibenz(a,h)anthracene	ND	0.0994		µg/L	1	10/1/2021 2:49:41 PM
Surr: 2-Fluorobiphenyl	66.2	34.2 - 137		%Rec	1	10/1/2021 2:49:41 PM
Surr: Terphenyl-d14	73.1	37.3 - 150		%Rec	1	10/1/2021 2:49:41 PM

Mercury by EPA Method 245.1

Batch ID: 33869

Analyst: CH

Mercury	ND	0.100		µg/L	1	9/29/2021 3:44:40 PM
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Analytical Report

Work Order: 2109477

Date Reported: 10/5/2021

Client: Libby Environmental

Collection Date: 9/23/2021 1:55:00 PM

Project: BLT Trucking

Lab ID: 2109477-004

Matrix: Water

Client Sample ID: MW4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 33880

Analyst: SB

Benz(a)anthracene	ND	0.0990		µg/L	1	10/1/2021 3:11:23 PM
Chrysene	ND	0.0990		µg/L	1	10/1/2021 3:11:23 PM
Benzo(b)fluoranthene	ND	0.0990		µg/L	1	10/1/2021 3:11:23 PM
Benzo(k)fluoranthene	ND	0.0990		µg/L	1	10/1/2021 3:11:23 PM
Benzo(a)pyrene	ND	0.0990		µg/L	1	10/1/2021 3:11:23 PM
Indeno(1,2,3-cd)pyrene	ND	0.0990		µg/L	1	10/1/2021 3:11:23 PM
Dibenz(a,h)anthracene	ND	0.0990		µg/L	1	10/1/2021 3:11:23 PM
Surr: 2-Fluorobiphenyl	59.4	34.2 - 137		%Rec	1	10/1/2021 3:11:23 PM
Surr: Terphenyl-d14	62.0	37.3 - 150		%Rec	1	10/1/2021 3:11:23 PM

Mercury by EPA Method 245.1

Batch ID: 33869

Analyst: CH

Mercury	ND	0.100		µg/L	1	9/29/2021 3:46:22 PM
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Analytical Report

Work Order: 2109477
Date Reported: 10/5/2021

Client: Libby Environmental

Collection Date: 9/23/2021 10:50:00 AM

Project: BLT Trucking

Lab ID: 2109477-005

Matrix: Water

Client Sample ID: MW5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 33880

Analyst: SB

Benz(a)anthracene	ND	0.0991		µg/L	1	10/1/2021 3:33:03 PM
Chrysene	ND	0.0991		µg/L	1	10/1/2021 3:33:03 PM
Benzo(b)fluoranthene	ND	0.0991		µg/L	1	10/1/2021 3:33:03 PM
Benzo(k)fluoranthene	ND	0.0991		µg/L	1	10/1/2021 3:33:03 PM
Benzo(a)pyrene	ND	0.0991		µg/L	1	10/1/2021 3:33:03 PM
Indeno(1,2,3-cd)pyrene	ND	0.0991		µg/L	1	10/1/2021 3:33:03 PM
Dibenz(a,h)anthracene	ND	0.0991		µg/L	1	10/1/2021 3:33:03 PM
Surr: 2-Fluorobiphenyl	66.8	34.2 - 137		%Rec	1	10/1/2021 3:33:03 PM
Surr: Terphenyl-d14	77.5	37.3 - 150		%Rec	1	10/1/2021 3:33:03 PM

Mercury by EPA Method 245.1

Batch ID: 33869

Analyst: CH

Mercury	ND	0.100		µg/L	1	9/29/2021 3:51:27 PM
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Work Order: 2109477
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: MB-33869		SampType: MBLK			Units: µg/L		Prep Date: 9/29/2021			RunNo: 70213		
Client ID: MBLKW		Batch ID: 33869			Analysis Date: 9/29/2021					SeqNo: 1424870		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury ND 0.100

Sample ID: LCS-33869		SampType: LCS			Units: µg/L		Prep Date: 9/29/2021			RunNo: 70213		
Client ID: LCSW		Batch ID: 33869			Analysis Date: 9/29/2021			SeqNo: 1424871				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.44 0.100 2.500 0 97.6 85 115

Sample ID: 2109474-001CDUP		SampType: DUP			Units: µg/L		Prep Date: 9/29/2021			RunNo: 70213		
Client ID: BATCH		Batch ID: 33869			Analysis Date: 9/29/2021			SeqNo: 1424873				
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: 2109474-001CMS		SampType: MS			Units: µg/L		Prep Date: 9/29/2021			RunNo: 70213		
Client ID: BATCH		Batch ID: 33869			Analysis Date: 9/29/2021			SeqNo: 1424874				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.33 0.100 2.500 0 93.2 70 130

Sample ID: 2109474-001CMSD		SampType: MSD			Units: µg/L		Prep Date: 9/29/2021			RunNo: 70213		
Client ID: BATCH		Batch ID: 33869			Analysis Date: 9/29/2021			SeqNo: 1424875				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.45 0.100 2.500 0 98.0 70 130 2.330 5.02 20

Work Order: 2109477
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCSD-33880	SampType: LCS	Units: µg/L			Prep Date: 9/29/2021			RunNo: 70297			
Client ID: LCSW	Batch ID: 33880				Analysis Date: 10/1/2021			SeqNo: 1426762			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.40	0.0998	3.990	0	85.3	52.2	108				
Chrysene	3.22	0.0998	3.990	0	80.7	44.5	106				
Benzo(b)fluoranthene	3.55	0.0998	3.990	0	88.9	41.3	109				
Benzo(k)fluoranthene	3.11	0.0998	3.990	0	77.9	38.8	112				
Benzo(a)pyrene	3.53	0.0998	3.990	0	88.4	48.2	115				
Indeno(1,2,3-cd)pyrene	3.27	0.0998	3.990	0	82.0	35	111				
Dibenz(a,h)anthracene	3.39	0.0998	3.990	0	84.8	36.4	113				
Surr: 2-Fluorobiphenyl	1.26		1.995		62.9	34.2	137				
Surr: Terphenyl-d14	1.63		1.995		81.5	37.3	150				

Sample ID: MB-33880	SampType: MBLK	Units: µg/L			Prep Date: 9/29/2021			RunNo: 70297			
Client ID: MBLKW	Batch ID: 33880	Analysis Date: 10/1/2021						SeqNo: 1426765			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	0.0996									
Chrysene	ND	0.0996									
Benzo(b)fluoranthene	ND	0.0996									
Benzo(k)fluoranthene	ND	0.0996									
Benzo(a)pyrene	ND	0.0996									
Indeno(1,2,3-cd)pyrene	ND	0.0996									
Dibenz(a,h)anthracene	ND	0.0996									
Surr: 2-Fluorobiphenyl	1.33		1.993		66.7	34.2	137				
Surr: Terphenyl-d14	1.66		1.993		83.4	37.3	150				

Sample ID: 2109425-001CMS		SampType: MS		Units: µg/L		Prep Date: 9/29/2021		RunNo: 70297			
Client ID: BATCH		Batch ID: 33880				Analysis Date: 10/1/2021		SeqNo: 1426926			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.36	0.100	3.999	0	84.0	48.3	104				

Work Order: 2109477

CLIENT: Libby Environmental

Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2109425-001CMS		SampType: MS		Units: µg/L		Prep Date: 9/29/2021			RunNo: 70297		
Client ID: BATCH		Batch ID: 33880					Analysis Date: 10/1/2021			SeqNo: 1426926	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	3.18	0.100	3.999	0	79.5	41.7	105				
Benzo(b)fluoranthene	3.45	0.100	3.999	0	86.4	34.4	109				
Benzo(k)fluoranthene	3.01	0.100	3.999	0	75.2	29.2	111				
Benzo(a)pyrene	3.42	0.100	3.999	0	85.5	34.8	114				
Indeno(1,2,3-cd)pyrene	3.08	0.100	3.999	0	77.1	8.88	117				
Dibenz(a,h)anthracene	3.21	0.100	3.999	0	80.3	9.16	119				
Surr: 2-Fluorobiphenyl	1.28		1.999		64.1	34.2	137				
Surr: Terphenyl-d14	1.59		1.999		79.7	37.3	150				

Client Name: **LIBBY**

Work Order Number: **2109477**

Logged by: **Gabrielle Coeuille**

Date Received: **9/28/2021 11:00:21 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 °C
Sample 1	4.2

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

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

210924-3
1 of 1

Client: Libby Env

Address:

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Client Project # 0210924-3

Date: 9-27-21

Page: _____

Project Manager: Kodey Eley

Project Name: BLT Trucking

Location: _____ City, State: Rent, WA

Collector: CL Date of Collection: 9-23-21

Email: Libbyenv@gmail.com

Page 14 of 14

Sample Number	Depth	Time	Sample Type	Container Type													Field Notes
					VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	PAH 8270	Semi Vol 8270	Total Hg	
1 MW1	—	1435	H ₂ O	Poly									X			X	
2 MW2	—	1250	I										X			X	
3 MW3	—	1210											X			X	
4 MW4	—	1355											X			X	
5 MW5	—	1050	I										X			X	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	

Relinquished by: <u>MA</u>	Date / Time: <u>9-28-21 1050</u>	Received by: <u>CL</u>	Date / Time: <u>9/28/21 1100</u>	Sample Receipt		Remarks: <u>Std TAT</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:	Good Condition?	Y N	
				Cooler Temp.	°C	
				Sample Temp.	°C	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Total Number of Containers		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 98506-2957

October 8, 2021

Kaden Reed
ECI
P.O. Box 153
Fox Island, WA 98333

Dear Mr. Reed:

Please find enclosed the analytical data report for the BLT Trucking 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,

A handwritten signature in black ink, appearing to read "Sherry L. Chilcutt".

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/23/21 Page: 1 of 1

Client: ECI

Project Manager: Kader Reed

Address: PO Box 153

Project Name: BLT Touching

City: Fox Island State: WA Zip: 98333

Location: Kent, WA City, State: Kent, WA

Phone: Fax:

Collector: Chanel Long Date of Collection: 9/23/21

Client Project # 0611-01-03-02

Email: Kader@Allcity.com

																		
Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	NWTPH-Gx	BTEX 8021	NWTPH-HCID	NWTPH-Dx	c PAH 8270	PAH 8270	Semi Vol 8270	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	Dissolved As	Field Notes	
1	Mw1	1435	W	2L Amber 1500ml	X	X			X	X		X	X					Dissolved metals on hold
2	Mw2	1250		3 VOA														pending analysis
3	Mw3	1210		1 HVO3 poly														
4	Mw4	1355		1 unp. poly														
5	Mw5	1050																
6																		Mw1 Time: 1435
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		

Relinquished by: <i>Chanel Long</i>	Date / Time: 9/23/21 1610	Received by: <i>[Signature]</i>	Date / Time: 9/24/21 1657	Sample Receipt Good Condition? Y N Temp. °C Seals Intact? Y N N/A Total Number of Containers	Remarks: 10-5-21 ANALYSIS ADDED PER DAVID VIA EMAIL. STD TAT. TAT: 24HR 48HR 5-DAY
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L210924-3B
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Dissolved Metals in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Arsenic (µg/L)
Method Blank	10/7/2021	nd
MW4	10/7/2021	nd
MW4 Dup	10/7/2021	nd
Practical Quantitation Limit		3.0
"nd" Indicates not detected at the listed detection limits.		

ANALYSES PERFORMED BY: Eric Welte

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

Sample Number	Date Analyzed	Arsenic (% Recovery)
LCS	10/7/2021	108%
L211005-5 MS	10/7/2021	100%
L211005-5 MSD	10/7/2021	96%
RPD	10/7/2021	4%

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

ANALYSES PERFORMED BY: Eric Welte

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

BLT TRUCKING PROJECT

ECI

Libby Project # L210924-3B

Date Received 9/22/21 12:05

Received By KD

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) | <u>2.1 °C</u> | | |
| 8. Temperature of sample(s) (0°C to 8°C recommended) | <u>4.5 °C</u> | | |
| 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. _____



Libby Environmental, Inc.

3322 South Bay Road NE • Olympia, WA 98506-2957

November 24, 2021

Kaden Reed
ECI
P.O. Box 153
Fox Island, WA 98333

Dear Mr. Reed:

Please find enclosed the analytical data report for the BLT Trucking 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.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Road NE

Ph: 360-352-2110

Olympia, WA 98506

Fax: 360-352-4154

Client: **ECI**

Address: **P.O. Box 153**

City: **FOX Island** State: **WA** Zip: **98333**

Phone: Fax:

Client Project # **0611-01-03-02**

Date: **11/17/21**

Page: **1** of **1**

Project Manager: **Kaden Reed**

Project Name: **BLT Trucking**

Location: **8010 S. 259th St.** City, State: **Kent, WA**

Collector: **Chanel** Date of Collection:

Email: **Chanel@alleci.com** ; **Kaden@alleci.com**

	Sample Number	Depth	Time	Sample Type	Container Type													Field Notes
						VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) (802)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Semi Vol 8270	
1	MW1	—	12:50	H ₂ O	(2) 12 amber		X	X	X	X	X	X						Dissolved metals
2	MW2	—	13:40	↓	(1) 50ml amber		↓	↓	↓	↓	↓	↓						on hold pending
3	MW3	—	10:30	↓	(2) 250mL poly		↓	↓	↓	↓	↓	↓						analysis
4	MW4	—	10:00	↓	(3) VOAs		↓	↓	↓	↓	↓	↓						
5	MW5	—	11:45	↓			↓	↓	↓	↓	↓	↓						
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		

Relinquished by: **Chanel** Date / Time: **11/17/21 15:45**

Received by: **Melissa Hgt** Date / Time: **11/18/21 11:18**

Sample Receipt

Remarks:

Relinquished by: Date / Time:

Received by: Date / Time:

Good Condition? Y N

Cooler Temp. °C

Sample Temp. °C

Relinquished by: Date / Time:

Received by: Date / Time:

Total Number of Containers

TAT: 24HR 48HR **5-DAY**

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L211118-5
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Sample Description		Method Blank	MW1	MW2	MW3	MW4	MW4 Dup
Date Sampled		N/A	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021
Date Analyzed	PQL	11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Benzene	1.0	nd	nd	nd	nd	nd	nd
Toluene	2.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd	nd
Total Xylenes	2.0	nd	nd	nd	nd	nd	nd
Gasoline	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		118	115	118	120	122	110
1,2-Dichloroethane-d4		106	98	111	101	99	98
Toluene-d8		93	96	96	96	99	93
4-Bromofluorobenzene		83	83	84	81	86	84

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L211118-5
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Sample Description		MW5
Date Sampled		11/17/2021
Date Analyzed	PQL (µg/L)	11/19/2021 (µg/L)
Benzene	1.0	nd
Toluene	2.0	nd
Ethylbenzene	1.0	nd
Total Xylenes	2.0	nd
Gasoline	100	nd
Surrogate Recovery		
Dibromofluoromethane		119
1,2-Dichloroethane-d4		101
Toluene-d8		95
4-Bromofluorobenzene		78
"nd" Indicates not detected at listed detection limit.		
"int" Indicates that interference prevents determination.		
ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%		

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L211118-5

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

QA/QC for Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260D) in Water

Matrix Spike Sample Identification: MW4								
Date Analyzed: 11/19/2021								
	Spiked Conc. (µg/L)	MS Response (µg/L)	MSD Response (µg/L)	MS Recovery (%)	MSD Recovery (%)	RPD (%)	Limits Recovery (%)	Data Flag
Benzene	5.0	5.1	5.4	102	107	5.0	65-135	
Toluene	5.0	5.8	5.5	117	109	6.5	65-135	
Ethylbenzene	5.0	5.2	5.3	103	106	2.7	65-135	
Total Xylenes	15.0	14.4	14.9	96	99	3.3	65-135	
Surrogate Recovery (%)								
Dibromofluoromethane				111	103		65-135	
1,2-Dichloroethane-d4				100	97		65-135	
Toluene-d8				93	93		65-135	
4-Bromofluorobenzene				94	90		65-135	

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Laboratory Control Sample

Date Analyzed: 11/19/2021					
	Spiked Conc. (µg/L)	LCS Response (µg/L)	LCS Recovery (%)	LCS Recovery Limits (%)	Data Flag
Benzene	5.0	5.5	110	80-120	
Toluene	5.0	5.7	114	80-120	
Ethylbenzene	5.0	5.1	103	80-120	
Total Xylenes	15.0	14.9	99	80-120	
Surrogate Recovery					
Dibromofluoromethane			117	65-135	
1,2-Dichloroethane-d4			99	65-135	
Toluene-d8			95	65-135	
4-Bromofluorobenzene			85	65-135	

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L211118-5

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (µg/L)	Oil (µg/L)
Method Blank	11/22/2021	77	nd	nd
MW1	11/22/2021	74	nd	nd
MW2	11/22/2021	82	nd	nd
MW3	11/22/2021	62	nd	nd
MW4	11/22/2021	59	nd	nd
MW5	11/22/2021	82	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): 42% TO 150%

ANALYSES PERFORMED BY: Randolph Kraus

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L211118-5
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	Method	LCS	LCSD	MW1	MW2	MW3
		Blank					
Date Sampled		N/A	N/A	N/A	11/17/2021	11/17/2021	11/17/2021
Date Analyzed		11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	86%	106%	nd	nd	nd
Aroclor 1221	0.02	nd			nd	nd	nd
Aroclor 1232	0.02	nd			nd	nd	nd
Aroclor 1242	0.02	nd			nd	nd	nd
Aroclor 1248	0.02	nd			nd	nd	nd
Aroclor 1254	0.02	nd			nd	nd	nd
Aroclor 1260	0.02	nd	117%	102%	nd	nd	nd
Surrogate Recovery							
TCMX		119	72	113	102	119	104
DCBP		126	73	117	103	101	102

"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

Libby Environmental, Inc.

BLT TRUCKING PROJECT
ECI
Kent, Washington
Libby Project # L211118-5
Client Project # 0611-01-03-02

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

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

Sample Description	PQL	MW4	MW5
Date Sampled		11/17/2021	11/17/2021
Date Analyzed		11/19/2021	11/19/2021
	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016	0.02	nd	nd
Aroclor 1221	0.02	nd	nd
Aroclor 1232	0.02	nd	nd
Aroclor 1242	0.02	nd	nd
Aroclor 1248	0.02	nd	nd
Aroclor 1254	0.02	nd	nd
Aroclor 1260	0.02	nd	nd
Surrogate Recovery			
TCMX		133	98
DCBP		127	102

"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

Libby Environmental, Inc.

BLT TRUCKING PROJECT

ECI

Kent, Washington

Libby Project # L211118-5

Client Project # 0611-01-03-02

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

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	11/19/2021	nd	nd	nd	nd
MW1	11/19/2021	nd	nd	nd	6.5
MW2	11/19/2021	nd	nd	nd	3.3
MW3	11/19/2021	nd	nd	nd	nd
MW4	11/19/2021	nd	nd	nd	19
MW5	11/19/2021	nd	nd	nd	nd
Practical Quantitation Limit		5.0	0.5	5.0	3.0

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

ANALYSES PERFORMED BY: Eric Welte

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	11/19/2021	101%	108%	115%	115%
L211118-5 MS	11/19/2021	111%	86%	101%	108%
L211118-5 MSD	11/19/2021	103%	88%	101%	107%
RPD	11/19/2021	7%	2%	0%	1%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Eric Welte

Libby Environmental, Inc.

3322 South Bay Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@gmail.com

BLT TRUCKING PROJECT

ECI

Libby Project # L211118-5

Date Received 11/18/21 11:18

Received By MH

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) | <u>-0.3 °C</u> | | |
| 8. Temperature of sample(s) (0°C to 8°C recommended) | <u>6.8 °C</u> | | |
| 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. _____



Fremont
Analytical

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: BLT Trucking
Work Order Number: 2111434

November 24, 2021

Attention Kodey Eley:

Fremont Analytical, Inc. received 5 sample(s) on 11/19/2021 for the analyses presented in the following report.

Mercury by EPA Method 245.1

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

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

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com

CLIENT: Libby Environmental
Project: BLT Trucking
Work Order: 2111434

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111434-001	MW1	11/17/2021 12:50 PM	11/19/2021 11:51 AM
2111434-002	MW2	11/17/2021 1:40 PM	11/19/2021 11:51 AM
2111434-003	MW3	11/17/2021 10:30 AM	11/19/2021 11:51 AM
2111434-004	MW4	11/17/2021 10:00 AM	11/19/2021 11:51 AM
2111434-005	MW5	11/17/2021 11:45 AM	11/19/2021 11:51 AM

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

CLIENT: Libby Environmental
Project: BLT Trucking

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
- 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
- MCL - Maximum Contaminant Level
- 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: 2111434

Date Reported: 11/24/2021

Client: Libby Environmental

Collection Date: 11/17/2021 12:50:00 PM

Project: BLT Trucking

Lab ID: 2111434-001

Matrix: Water

Client Sample ID: MW1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 34530

Analyst: SB

Benz(a)anthracene	ND	0.0991		µg/L	1	11/23/2021 4:00:51 PM
Chrysene	ND	0.0991		µg/L	1	11/23/2021 4:00:51 PM
Benzo(b)fluoranthene	ND	0.0991		µg/L	1	11/23/2021 4:00:51 PM
Benzo(k)fluoranthene	ND	0.0991		µg/L	1	11/23/2021 4:00:51 PM
Benzo(a)pyrene	ND	0.0991		µg/L	1	11/23/2021 4:00:51 PM
Indeno(1,2,3-cd)pyrene	ND	0.0991		µg/L	1	11/23/2021 4:00:51 PM
Dibenz(a,h)anthracene	ND	0.0991		µg/L	1	11/23/2021 4:00:51 PM
Surr: 2-Fluorobiphenyl	102	49.6 - 128		%Rec	1	11/23/2021 4:00:51 PM
Surr: Terphenyl-d14	95.5	38.2 - 138		%Rec	1	11/23/2021 4:00:51 PM

Mercury by EPA Method 245.1

Batch ID: 34538

Analyst: CH

Mercury	ND	0.100		µg/L	1	11/23/2021 2:46:57 PM
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Analytical Report

Work Order: 2111434

Date Reported: 11/24/2021

Client: Libby Environmental

Collection Date: 11/17/2021 1:40:00 PM

Project: BLT Trucking

Lab ID: 2111434-002

Matrix: Water

Client Sample ID: MW2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 34530

Analyst: SB

Benz(a)anthracene	ND	0.0999		µg/L	1	11/23/2021 4:22:21 PM
Chrysene	ND	0.0999		µg/L	1	11/23/2021 4:22:21 PM
Benzo(b)fluoranthene	ND	0.0999		µg/L	1	11/23/2021 4:22:21 PM
Benzo(k)fluoranthene	ND	0.0999		µg/L	1	11/23/2021 4:22:21 PM
Benzo(a)pyrene	ND	0.0999		µg/L	1	11/23/2021 4:22:21 PM
Indeno(1,2,3-cd)pyrene	ND	0.0999		µg/L	1	11/23/2021 4:22:21 PM
Dibenz(a,h)anthracene	ND	0.0999		µg/L	1	11/23/2021 4:22:21 PM
Surr: 2-Fluorobiphenyl	80.5	49.6 - 128		%Rec	1	11/23/2021 4:22:21 PM
Surr: Terphenyl-d14	85.5	38.2 - 138		%Rec	1	11/23/2021 4:22:21 PM

Mercury by EPA Method 245.1

Batch ID: 34538

Analyst: CH

Mercury	ND	0.100		µg/L	1	11/23/2021 2:48:38 PM
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Analytical Report

Work Order: 2111434

Date Reported: 11/24/2021

Client: Libby Environmental

Collection Date: 11/17/2021 10:30:00 AM

Project: BLT Trucking

Lab ID: 2111434-003

Matrix: Water

Client Sample ID: MW3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 34530

Analyst: SB

Benz(a)anthracene	ND	0.0995		µg/L	1	11/23/2021 4:43:50 PM
Chrysene	ND	0.0995		µg/L	1	11/23/2021 4:43:50 PM
Benzo(b)fluoranthene	ND	0.0995		µg/L	1	11/23/2021 4:43:50 PM
Benzo(k)fluoranthene	ND	0.0995		µg/L	1	11/23/2021 4:43:50 PM
Benzo(a)pyrene	ND	0.0995		µg/L	1	11/23/2021 4:43:50 PM
Indeno(1,2,3-cd)pyrene	ND	0.0995		µg/L	1	11/23/2021 4:43:50 PM
Dibenz(a,h)anthracene	ND	0.0995		µg/L	1	11/23/2021 4:43:50 PM
Surr: 2-Fluorobiphenyl	92.3	49.6 - 128		%Rec	1	11/23/2021 4:43:50 PM
Surr: Terphenyl-d14	94.1	38.2 - 138		%Rec	1	11/23/2021 4:43:50 PM

Mercury by EPA Method 245.1

Batch ID: 34538

Analyst: CH

Mercury	ND	0.100		µg/L	1	11/23/2021 2:50:19 PM
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Analytical Report

Work Order: 2111434

Date Reported: 11/24/2021

Client: Libby Environmental

Collection Date: 11/17/2021 10:00:00 AM

Project: BLT Trucking

Lab ID: 2111434-004

Matrix: Water

Client Sample ID: MW4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 34530

Analyst: SB

Benz(a)anthracene	ND	0.0999		µg/L	1	11/23/2021 5:05:31 PM
Chrysene	ND	0.0999		µg/L	1	11/23/2021 5:05:31 PM
Benzo(b)fluoranthene	ND	0.0999		µg/L	1	11/23/2021 5:05:31 PM
Benzo(k)fluoranthene	ND	0.0999		µg/L	1	11/23/2021 5:05:31 PM
Benzo(a)pyrene	ND	0.0999		µg/L	1	11/23/2021 5:05:31 PM
Indeno(1,2,3-cd)pyrene	ND	0.0999		µg/L	1	11/23/2021 5:05:31 PM
Dibenz(a,h)anthracene	ND	0.0999		µg/L	1	11/23/2021 5:05:31 PM
Surr: 2-Fluorobiphenyl	95.0	49.6 - 128		%Rec	1	11/23/2021 5:05:31 PM
Surr: Terphenyl-d14	97.2	38.2 - 138		%Rec	1	11/23/2021 5:05:31 PM

Mercury by EPA Method 245.1

Batch ID: 34538

Analyst: CH

Mercury	ND	0.100		µg/L	1	11/23/2021 2:52:01 PM
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Analytical Report

Work Order: 2111434

Date Reported: 11/24/2021

Client: Libby Environmental

Collection Date: 11/17/2021 11:45:00 AM

Project: BLT Trucking

Lab ID: 2111434-005

Matrix: Water

Client Sample ID: MW5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 34530

Analyst: SB

Benz(a)anthracene	ND	0.0994		µg/L	1	11/23/2021 5:26:58 PM
Chrysene	ND	0.0994		µg/L	1	11/23/2021 5:26:58 PM
Benzo(b)fluoranthene	ND	0.0994		µg/L	1	11/23/2021 5:26:58 PM
Benzo(k)fluoranthene	ND	0.0994		µg/L	1	11/23/2021 5:26:58 PM
Benzo(a)pyrene	ND	0.0994		µg/L	1	11/23/2021 5:26:58 PM
Indeno(1,2,3-cd)pyrene	ND	0.0994		µg/L	1	11/23/2021 5:26:58 PM
Dibenz(a,h)anthracene	ND	0.0994		µg/L	1	11/23/2021 5:26:58 PM
Surr: 2-Fluorobiphenyl	104	49.6 - 128		%Rec	1	11/23/2021 5:26:58 PM
Surr: Terphenyl-d14	101	38.2 - 138		%Rec	1	11/23/2021 5:26:58 PM

Mercury by EPA Method 245.1

Batch ID: 34538

Analyst: CH

Mercury	ND	0.100		µg/L	1	11/23/2021 2:57:06 PM
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Work Order: 2111434
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: MB-34538		SampType: MBLK			Units: µg/L		Prep Date: 11/23/2021			RunNo: 71515		
Client ID: MBLKW		Batch ID: 34538			Analysis Date: 11/23/2021			SeqNo: 1456843				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury ND 0.100

Sample ID: LCS-34538		SampType: LCS			Units: µg/L		Prep Date: 11/23/2021			RunNo: 71515		
Client ID: LCSW		Batch ID: 34538			Analysis Date: 11/23/2021					SeqNo: 1456844		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.28 0.100 2.500 0 91.2 85 115

Sample ID: 2111424-001EDUP		SampType: DUP			Units: µg/L		Prep Date: 11/23/2021			RunNo: 71515		
Client ID: BATCH		Batch ID: 34538			Analysis Date: 11/23/2021					SeqNo: 1456846		
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: 2111424-001EMS		SampType: MS			Units: µg/L		Prep Date: 11/23/2021			RunNo: 71515		
Client ID: BATCH		Batch ID: 34538			Analysis Date: 11/23/2021					SeqNo: 1456847		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.48 0.100 2.500 0 99.2 70 130

Sample ID: 2111424-001EMSD		SampType: MSD			Units: µg/L		Prep Date: 11/23/2021			RunNo: 71515		
Client ID: BATCH		Batch ID: 34538			Analysis Date: 11/23/2021			SeqNo: 1456848				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Mercury 2.34 0.100 2.500 0 93.6 70 130 2.480 5.81 20

Work Order: 2111434
CLIENT: Libby Environmental
Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-34530		SampType: MBLK			Units: µg/L		Prep Date: 11/22/2021			RunNo: 71533		
Client ID: MBLKW		Batch ID: 34530			Analysis Date: 11/23/2021			SeqNo: 1457108				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	ND	0.0995									
Chrysene	ND	0.0995									
Benzo(b)fluoranthene	ND	0.0995									
Benzo(k)fluoranthene	ND	0.0995									
Benzo(a)pyrene	ND	0.0995									
Indeno(1,2,3-cd)pyrene	ND	0.0995									
Dibenz(a,h)anthracene	ND	0.0995									
Surr: 2-Fluorobiphenyl	1.93		1.990		96.9	49.6	128				
Surr: Terphenyl-d14	1.99		1.990		99.9	38.2	138				

Sample ID: LCS-34530		SampType: LCS			Units: µg/L		Prep Date: 11/22/2021			RunNo: 71533		
Client ID: LCSW		Batch ID: 34530			Analysis Date: 11/23/2021					SeqNo: 1457109		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	2.89	0.100	4.002	0	72.2	53.4	115				
Chrysene	2.81	0.100	4.002	0	70.3	52	111				
Benzo(b)fluoranthene	2.94	0.100	4.002	0	73.5	45.3	109				
Benzo(k)fluoranthene	2.78	0.100	4.002	0	69.5	40	117				
Benzo(a)pyrene	2.90	0.100	4.002	0	72.5	49.1	115				
Indeno(1,2,3-cd)pyrene	2.54	0.100	4.002	0	63.4	35.7	108				
Dibenz(a,h)anthracene	2.65	0.100	4.002	0	66.1	36.9	111				
Surr: 2-Fluorobiphenyl	2.00		2.001		100	49.6	128				
Surr: Terphenyl-d14	2.04		2.001		102	38.2	138				

Sample ID: LCS-34530		SampType: LCS			Units: µg/L		Prep Date: 11/22/2021			RunNo: 71533		
Client ID: LCSW02		Batch ID: 34530			Analysis Date: 11/23/2021			SeqNo: 1457110				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Benz(a)anthracene	3.36	0.0997	3.989	0	84.1	53.4	115	2.891	14.9	30	
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Work Order: 2111434

CLIENT: Libby Environmental

Project: BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCSD-34530	SampType: LCSD	Units: µg/L				Prep Date: 11/22/2021			RunNo: 71533		
Client ID: LCSW02	Batch ID: 34530	Analysis Date: 11/23/2021							SeqNo: 1457110		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	3.26	0.0997	3.989	0	81.8	52	111	2.814	14.8	30	
Benzo(b)fluoranthene	3.49	0.0997	3.989	0	87.5	45.3	109	2.941	17.0	30	
Benzo(k)fluoranthene	3.26	0.0997	3.989	0	81.7	40	117	2.782	15.8	30	
Benzo(a)pyrene	3.49	0.0997	3.989	0	87.6	49.1	115	2.903	18.5	30	
Indeno(1,2,3-cd)pyrene	3.08	0.0997	3.989	0	77.1	35.7	108	2.537	19.2	30	
Dibenz(a,h)anthracene	3.22	0.0997	3.989	0	80.7	36.9	111	2.647	19.5	30	
Surr: 2-Fluorobiphenyl	2.11		1.994		106	49.6	128		0	0	
Surr: Terphenyl-d14	2.16		1.994		108	38.2	138		0	0	

Sample ID: 2111429-001CMS	SampType: MS	Units: µg/L				Prep Date: 11/22/2021			RunNo: 71533		
Client ID: BATCH	Batch ID: 34530	Analysis Date: 11/23/2021							SeqNo: 1457112		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.33	0.0996	3.985	0	83.6	35.4	124				
Chrysene	3.24	0.0996	3.985	0	81.2	36.1	120				
Benzo(b)fluoranthene	3.34	0.0996	3.985	0	83.9	24.3	119				
Benzo(k)fluoranthene	3.29	0.0996	3.985	0	82.7	20.5	134				
Benzo(a)pyrene	3.41	0.0996	3.985	0	85.6	22.3	130				
Indeno(1,2,3-cd)pyrene	2.91	0.0996	3.985	0	73.0	19.3	118				
Dibenz(a,h)anthracene	3.06	0.0996	3.985	0	76.9	19.5	122				
Surr: 2-Fluorobiphenyl	2.13		1.992		107	49.6	128				
Surr: Terphenyl-d14	2.17		1.992		109	38.2	138				

Client Name: **LIBBY**
 Logged by: **Gabrielle Coeulle**

Work Order Number: **2111434**
 Date Received: **11/19/2021 11:51:00 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 °C
Sample 1	4.7

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

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Road NE

Ph: 360-352-2110

Olympia, WA 98506

Fax: 360-352-4154

Date: 11-18-21

Page: 1

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Client: Libby Environmental, Inc.

Project Manager: Kevy Eloy

Address: SEE ABOVE

Project Name: BLT Trucking

City: State: Zip:

Location:

City, State: Kent, WA

Phone: Fax:

Collector:

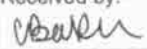
Date of Collection: 11-17-21

Client Project # L211118-S

Email: libbyenv@gmail.com

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 Sample Number	Depth	Time	Sample Type	Container Type															Field Notes
					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 17g		
1 MW1		1230	H ₂ O	Aber/Poly										X			X		
2 MW2		1340	I	I										X			X		
3 MW3		1030	I	I										X			X		
4 MW4		1000	I	I										X			X		
5 MW5		1145	I	I										X			X		
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			

Relinquished by: 	Date / Time: 11-18-21	Received by: 	Date / Time: 11/19/21/15	Sample Receipt Good Condition? Y N Cooler Temp. °C Sample Temp. °C Total Number of Containers TAT: 24HR 48HR 5-DAY	Remarks: STD TAT
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

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