FOCUSED SUBSURFACE INVESTI-STIGATION, 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 oilrange 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:

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

Table 1: Contaminants of Concern

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

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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

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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 from20 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.

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Table 2: Soil Analytical Results

		Tota Hyd	al Petrole drocarbo	eum ons	Se	elect Vola Consti	tile Orgar tuents	nic				Metals				
Sample Name	Date Sampled	Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Total Chromium	Hexavalent Chromium	Cadmium	Arsenic	Mercury	PCB Mixture ⁷	PAHs (carcinogenic) ⁸
				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)

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		Tota Hyd	al Petrole drocarbo	eum ons	Se	elect Vola Consti	tile Orgar tuents	nic				Metals				
Sample Name	Date Sampled	Gasoline-range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Total Chromium	Hexavalent Chromium	Cadmium	Arsenic	Mercury	PCB Mixture ⁷	PAHs (carcinogenic) ⁸
				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			
Laborat	tory 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	d 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-inchslotted 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.

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- 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 util 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 $5.0 \mu g/L$.

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.

		Total Hydi	Total Petroleum Hydrocarbons			elect Vola Const	atile Org ituents	anic		То	tal Meta	als		PC B	Chl ori
Sample Name	Date Sampled	Gasoline- range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic	Dissolved Arsenic		
					Sar	nples Rep	ported in	Microgra	ms per L	iter (µg,	/I)	0		0	
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
Labora	tory PQL	100	200	400	1	2	1	2	5.0	5.0	5.0	3.0		0.02	0.1
Metho	d A CULs	800/1,000	500	500	5	1,000	700	1,000	15	50	5	5.0		NE	NE

Table 3: First Quarter 20)21 Groundwater Sam	ple Analytical Results
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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 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 $5.0 \mu g/L$.

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.

		Total Petroleum Hydrocarbons			S	elect Vola Const	itile Orga ituents	anic	Total Metals					PC B	Chl ori
Sample Name	Date Sampled	Gasoline- range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic	Dissolved Arsenic		
			-	1	Sa	mples Re	ported i	n Microgra	ams per	Liter (µg	g/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
Labora	atory PQL	100	200	400	1	2	1	2	5.0	5.0	5.0	3.0	3.0	0.02	0.1
Metho	od A CULs	800/1,0 00	500	500	5	1,000	700	1,000	15	50	5	5.0	5.0	NE	NE

Tuble 4. Second Quarter 2021 Orbanawater Sumple Analytical Results	Table 4: Second	Quarter	2021	Groundwater	Sample	Analy	/tical	Results
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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.

		Total Hyd	Petroleu rocarbor	ım IS	S	elect Vola Const	atile Orga ituents	anic	Total Metals					ē	AHs
Sample Name	Date Sampled	Gasoline- range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic		PCB Mixtur	Chlorinated P/
			1	I	T	Sample	s Report	ed in Mici	rograms	per Lite	r (µg/l)	1	I	T	1
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
Labora	tory PQL	100	200	400	1	2	1	2	5.0	5.0	5.0	3.0	3.0	0.02	0.1
Metho	d A CULs	800/1,000	500	500	5	1,000	700	1,000	15	50	5	5.0	5.0	NE	NE

Table 5: Third Quarter 2021 Groundwater Sample Analytical Results

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.

		Total Po Hydro	etroleum carbons	ı	S	elect Vola Consti	tile Orga ituents	nic		Total		e	AHs	
Sample Name	Date Sampled	Gasoline- range Organic	Diesel-range Organic	Oil-range Organic	Benzene	Toluene	Ethyl benzene	Xylenes	Lead	Chromium	Cadmium	Arsenic	PCB Mixtur	Chlorinated P/
			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
Labora	atory PQL	100	200	400	1	2	1	2	5.0	5.0	5.0	3.0	0.02	0.1
Metho	od A CULs	800/1,000	500	500	5	1,000	700	1,000	15	50	5	5.0	NE	NE

Table 6: Fourth Quarter 2021 Groundwater Sample Analytical Results

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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Laboratory Analytical Report Sample Chain of Custody

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Soil Boring Location < CUL
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 ORO: Oil Range Organics

As: Arsenic Monitoring Well < MTCA CUL's

Monitoring Well > MTCA CUL's

Explanation

Cd: Cadmium Cr: Chromium Pb: lead

BTEX: Benzene, Toluene, Ethylbenzene, Total Xylenes BOLD: Above laboratory reporting limit

Soil Boring Location > CUL
 Red: Above Cleanup Level
 mg/Kg: milligram per kilogram
 NA: Not run for that COC
 ND: Not detected above laboratory reporting limit

2021 Boring Sample Location Map FSI, Monitoring Well Installation & Groundwater Monitoring Report 8010 South 259th Street Kent, Washington Date: Fe Completed By: Reviewed By.: Version: Project No.:

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B8-GW-7.5' (μg/L) Gasoline Range Organics: <200 Diesel Range Organics: <500 Oil Range Organics: <500 B8

8

B7-GW-7' (μg/L) Gasoline Range Organics: <200 Diesel Range Organics: <500 Oil Range Organics: <500 **B7**

Gasoline Range Organics: <200

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Soil Boring Location
G: Gasoline Range Organics
D: Diesel Range Organics
HO: Heavy Oil Range Organics

Explanation

mg/Kg: milligram per kilogram ug/L: microgram per liter ND: Not detected above laboratory reporting limit Historical Boring / Sample Location Map FSI, Monitoring Well Installation & Groundwater Monitoring Report 8010 South 259th Street Kent, Washington Date: Fe Completed By: Reviewed By.: Version: Project No.:

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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 Table 9: Summary of Groundwater Elevations





Sample ID	Sample Depth (feet bgs)		Gasoline-Range Organics	Diesel-Range Organics	Oil-Range Organics	сРАНѕ	PCB Mixtures	cVOCs	Arsenic	Cadmium	Chromium (Total)	Chromium VI	Mercury	Lead
						Sa	mple Resu	lts in millig	rams per k	ilogram (m	g/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									
D0-2	2	5/16/2016	<20	/8	350									
B7-2.5 B8-2	2.5	5/16/2016	<20	<50	<250									
TP9-3	2	6/1/2016	~20	<50	<250				6 14		7 12			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-N5W01-03	3	6/16/2016		250	870									
A3-BU4	4	6/16/2016		520	1,400		3.1		5.14	3.64	162		1.58	388
	3	6/20/2016		500	1,200		14		5.5	4.5	203		<1	100
A4-INSVVU2-U3	3	6/16/2016			020		3.87		5.87	1.78	27.8		<1	198
A4-E3WUI-U3	3	6/16/2016		23	030				4 72	2.12	200		1.24	207
Laboratory Meth	4 hod Reporti	ng Limit	20	500	250	0.01	0.2	Varios	4.72	3.13	290	0 549	1.24	1
MTCA-A Industrial Cleanup Levels 100/30 2.000 2.000 2 ¹ 10 Varies 20 2 2.000 19								2	1.000					
votes: : Total concentrations using the toxicity equivalency methodology in WAC 173-340-708 (8) : Cleanup Level for Chromium III VD: Not detected above laboratory reporting limit WTCA = Model Toxics Control Act = not analyzed for this constituent c= not analyzed for this constituent * Ecology has not designated a MTCA Method A cleanup Levels Bold Red indicates the detected concentration that is below Ecology MTCA Method A Cleanup Levels														

Table 7 : Summary of Groundwater Analytical Results



Practical Environmental Compliance Solutions

BLT Trucking

offic 8010 South 259th Street, Kent, WA 98032

	Sample	Date	Total Petroleum Hydrocarbons (μg/l)					
Well Number	Depth (ft)	Sampled	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			
Labora	atory Reporting	g Limit	200	50/500	250/500			
MTCA M	lethod A Clean	up 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


Practical Environmental Compliance Solutions

Offices In: Anchorage | Tacoma | Portland

8010 South 259th Street, Kent, WA 98032

Well Number MW-1 MW-2 MW-3 MW-4 MW-4 Laboratory Re	Date	Total Petroleum Hydrocarbons (µg/l) Select Volatile Or							Volatile Organ	tile Organic Compounds (μg/l)						
	Sampled	Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Ethylbenzene	Total Xylenes	РСВ	Lead	Cadmium	Chromium	Total Arsenic	Dissolved Arsenic	Mercury	PAH's
	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
MW-1	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
Well Number MW-1 A MW-2 A MW-3 A MW-3 A MW-4 A A A A A A A A A A A A A	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
	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
MW-2	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
11111 2	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
	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
MW-3	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
10100 5	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
	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
NA/N/-A	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
10100 4	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
	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
MM-5	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
10100-5	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 Re	eporting 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 Metho Lev	od A Cleanup els	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

Practical Environmental Compliance Solutions

Offices Ht Anchorage | Tacorro | Porland

8010 South 259th Street, Kent, WA 98032

Wall	Elevation of	Latitude/Lo	ongitude	Date of	Depth to	Groundwater	Change in
vven	TOC	Latitude	Longitude	Measurement	Water (feet)	(feet)	(feet)
				03/30/21	7.08	41.53	
N/1/1	19 61	17 270125	177 727276	06/15/21	8.14	40.47	1.06
	40.01	47.570455	-122.252570	09/23/21	9.61	39.00	1.47
				11/17/21	5.74	42.87	-3.87
				03/30/21	7.43	41.43	
N414/2	48.86	47 270400	122 222244	06/15/21	8.41	40.45	0.98
IVIVVZ		47.570499	-122.252244	09/23/21	9.65	39.21	1.24
				11/17/21	6.77	42.09	-2.88
				03/30/21	7.35	41.50	
N/1N/2	48.85	17 270110	-122.231744	06/15/21	8.04	40.81	0.69
101005		47.570440		09/23/21	9.03	39.82	0.99
				11/17/21	6.94	41.91	-2.09
				03/30/21	7.50	41.12	
NA1A/A	19 67	17 270461	122 221621	06/15/21	8.50	40.12	1.00
101004	40.02	47.370401	-122.251051	09/23/21	10.30	38.32	1.80
				11/17/21	7.68	40.94	-2.62
				03/30/21	7.41	41.59	
	40.00	17 270206	122 222105	06/15/21	8.20	40.80	0.79
101005	49.00	47.570296	-122.232105	09/23/21	9.40	39.60	1.20
				11/17/21	6.99	42.01	-2.41

Notes:

mental

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

Providing Practical Environmental Compliance Solutions offices In: Anchorage | Tacoma | Portland



Date:	3/30/2021
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Project Name:	BLT Trar	nsport		Proj	ject No.: 0611-01	Well N	Well No.: MW1				
Field Personne	el: SRB/C	ZL		Stat	tic Water Level: 7	.08	•				
Water Level M	leasurem	nent M	ethod: E-Ta	pe							
Time Start Pur	ge: 10:36	5		Tim	e End Purge: 10:	51	Time S	ampled: 10:52			
Measuring Poi	nt Descri	iption:	тос	•							
Purge Method	: Low-Flo	w		Pur	ge Depth: 1' from	n bottom					
Well Volume Calculation	Total ((f	Depth t)	Depth to (f	o Water :)	Water Column (ft)	Multip ¾''=.022	Multiplier for Casing Diameter (in) ¾''=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)	
(Fill in before	14.	.21	7.0)8	7.13	.0229	.0229		0.16		
Poi 2118)	Notes:	:									
Time 10:20 10:42 10:45 10:49 10:54											
Denth tr	Nater ((ft)	2 /1	8 30	8 20	10:48 8 24	8 34				
Volume P	urged (n	nL)	600	1 200	1 800	2 400	3 000				
Volume i	nH (+/-0	.1)	6.65	6.57	6.54	6.55	6.56				
Temperature C ($+/-10$) 11.27			11.35	5 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					
	Со	lor	Clear	Clear	Clear	Clear	Clear				
C	dor/She	en	None	None	e None	None	None				
Comments: Stop	oped sam	pling @	11:10-turbic	lity (water	r cloudy). Checked	turbidity, 34.87	7. After 2 mi	nutes turbidity 9	.09. Resi	umed Sampling	
Percent Recov	ery:		Depth to	Water at	: Sampling (ft):	Nc	ote(s):				
Sampling / Fie	ld Equipr	ment (N	Manufactu	e / Mode	el / Last Calibratio	on):	/		_/		
Sampling / Fie	ld Equipr	ment (N	Manufactu	e / Mode	el / Last Calibratio	on):	/		_/		
Sampling / Fie	ld Equipr	ment (N	Manufactu	e / Mode	el / Last Calibratio	on):	/		_/		
Sample Sample Qu	ample uantity	40 ml	Cor L VOA/500 ml	itainer Ty Amber / 1 Poly	/pe . L Amber / 250 mL	Preservativ Filtered	e / Field (FF)	Analysis Request	Visi (Clea	ual Observation r, Cloudy, Silty, Etc.)	
Total Discharg	e (gal):			Disp	oosal Method:			Drum Designa	tion(s)/	Volume:	
WELL HEAD	COND	ITION	S CHECK	LIST <u>(Ci</u>	rcle YES or NO	if NO, add	d commen	<u>ts)</u>			
Well Security	Device	s OK ((Bollards,	Christy L	_id, Casing Lid a	and Lock): <mark>Y</mark>	<mark>'ES</mark> / NC	Well Ca	sing: <mark>Y</mark>	<mark>ES</mark> / NO	
Inside of Wel Comments:	ll Head a	and Ou	uter Casin	g Dry:	<mark>YES</mark> / NO						

Date:	3/30/2021	
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Project Name:	BLT Transp	ort	Pro	ject No.: 0611-01	Well No	Well No.: MW2						
Field Personne	el: SRB/CZL		Stat	tic Water Level: 7	.43	l						
Water Level M	easuremer	t Method: E-T	аре									
Time Start Pur	ge: 13:04		Tim	e End Purge: 13:2	22	Time Sa	Time Sampled: 13:23					
Measuring Poi	nt Descript	on: TOC	I									
Purge Method	: Low-Flow		Pur	ge Depth: 1' from	n bottom							
Well Volume Calculation	Total De (ft)	oth Depth t (†	o Water ft)	Water Column (ft)	Multip ¾''=.022	Multiplier for Casing Diameter (in) ¾′′′=.0229, 1″=.041, 2″=.163, 4″=.653			Casing Volume (gal)			
(Fill in before	14.19	7.	43	6.76	.0229				0.15			
purging)	Notes:											
Time 12:07 12:10 12:12 12:16 12:10 12:22												
Dowth to	Lime	13:07	13:10	7 70	13:16	13:19	13:22					
Volumo D	wraed (m)	7.80	1.200	7.70	7.70	7.70	7.70					
volume P		6.53	6.43	6.47	6.48	5,000	6.50					
рн (+/-0.1) 0.53			11 95	0.47 5 11.90	11 90	11 98	11 98					
Conductivity mS/cm (3%) 0.560				0.564	0.564	0.562	0.562					
Turbidity (<10) 110				24.84	14.48	10.97	7.22					
[DO (+/- 0.3)	1.27	0.88	0.82	0.76	0.68	0.61					
C)RP (+/- 10)	86.5	86.3	85.3	83.4	81.9	81.3					
	Color	Cloudy	Cloud	y Cloudy	Clear	Clear	Clear					
C	dor/Sheen	None	None	e None	None	None	None					
Comments:												
Percent Recov	ery:	Depth to	Water at	: Sampling (ft):	Nc	ote(s):						
Sampling / Fie	ld Equipme	nt (Manufactu	re / Mode	el / Last Calibratio	on):	/_		_/				
Sampling / Fie	ld Equipme	nt (Manufactu	re / Mode	el / Last Calibratio	on):	/_		_/				
Sampling / Fie	ld Equipme	nt (Manufactu	re / Mode	el / Last Calibratio	on):	/_		_/				
Sample Si No. Qi	ample uantity 4	Co 10 mL VOA/500 m	ntainer Ty IL Amber / 1 Poly	/pe . L Amber / 250 mL	Preservativ Filtered	re / Field I (FF)	Analysis Request	Vis (Clea	ual Observation r, Cloudy, Silty, Etc.)			
Total Discharg	e (gal):		Disp	oosal Method:			Drum Designa	tion(s)/	Volume:			
WELL HEAD	CONDITI	ONS CHECK	(LIST (Ci	rcle YES or NO	if NO, add	d comment	<u>s)</u>					
Well Security	Devices (OK (Bollards,	Christy I	Lid, Casing Lid a	and Lock): <mark>Y</mark>	<mark>ΈS</mark> / NO	Well Ca	sing: <mark>Y</mark>	<mark>ES</mark> / NO			
Inside of We	I Head and	d Outer Casir	ng Dry:	<mark>YES</mark> / NO								
Comments:												

Date:	3/30/2021
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Project Name:	BLT Trans	port		Pro	oject	t No.: 0611-01	-03-02	Well N	Well No.: MW3				
Field Personne	I: SRB/CZL			Sta	atic V	Water Level: 7	.35						
Water Level M	easureme	nt Me	thod: E-Ta	аре									
Time Start Pur	ge: 12:27			Tir	ne E	nd Purge: 12:4	15	Time S	ampled: 12:46				
Measuring Poi	nt Descript	tion: T	ОС					1					
Purge Method	: Low-Flow	I		Pu	ırge [Depth: 1' from	bottom						
Well Volume Calculation	Total De (ft)	epth	Depth to (f	o Water t)	ater Water Column (ft)		Multipl ¾''=.022	ier for Casi 9, 1"=.041,	r for Casing Diameter (in) 1″=.041, 2″=.163, 4″=.653			Casing Volume (gal) .15	
(Fill in before purging)	13.67	7	7.35			6.32	.0229						
P ~ . 0 0/	Notes:												
	Time 12:30 12:33 12:36 12:39 12:42 12:45												
Denth to	Mater (ft	2	7 / 2	7 /1	5	7.45	7 45	7.45	7 45				
Depth to Water (ft) 7:43				1 20	5 10	1 800	2 400	3 000	3 600				
Volumen	nH (+/-0 1)	7 16	7 1	0 0	7.06	2,400	7 04	7 01				
Temperature C $(+/-1.0)$ 10.85			10.5	56	10.61	10.63	10.57	10.56					
Conductivity mS/cm (3%) 0.464				0.46	51	0.458	0.457	0.455	0.454				
Turbidity (<10) 2.58					1	0.33	2.41	0.01	2.89				
DO (+/- 0.3) 3.30				1.2	6	0.85	0.77	0.65	0.58				
ORP (+/- 10) 120.1			110	.8	102.5	97.7	90.0	88.6					
	Colo	r	Clear	Clea	ar	Clear	Clear	Clear	Clear				
C	dor/Sheer	า	Odor	Odo	or	Odor	Odor	Odor	Odor				
Comments:													
Percent Recove	ery:		Depth to	Water a	at Sa	mpling (ft):	No	ote(s):					
Sampling / Fiel	d Equipme	ent (M	lanufactu	re / Moo	del /	Last Calibratio	on):	/		_/			
Sampling / Fiel	d Equipme	ent (M	lanufactu	re / Moo	del /	Last Calibratio	on):	/		_/			
Sampling / Fiel	d Equipme	ent (M	lanufactu	re / Moo	del /	Last Calibratio	on):	/		_/			
Sample Sa No. Qu	ample Jantity	40 mL	Cor VOA/500 ml	ntainer 7 Amber / Poly	Гуре 1 L А	mber / 250 mL	Preservativ Filtered	e / Field (FF)	Analysis Request	Visu (Clea	ual Ob r, Cloud	servation y, Silty, Etc.)	
Total Discharge	e (gal):			Dis	spos	al Method:			Drum Designa	tion(s)/\	/olum	e:	
WELL HEAD	CONDIT	IONS	CHECK	LIST (C	Circle	e YES or NO	if NO, add	<u>d commen</u>	<u>ts)</u>				
Well Security	Devices	OK (E	Bollards,	Christy	Lid,	, Casing Lid a	and Lock): <mark>Y</mark>	<mark>ES</mark> / NC	Well Ca	sing: <mark>Y</mark> l	<mark>ES</mark> /	NO	
Inside of Wel	l Head an	id Ou	ter Casin	g Dry:	Y	<mark>ES</mark> / NO							
Comments:													

Date:	3/30/2021
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Project Name:	BLT Transp	ort	Proj	ject No.: 0611-01	Well N	Well No.: MW4				
Field Personne	I: SRB/CZL		Stat	ic Water Level: 7	.50	•				
Water Level M	easuremen	t Method: E-Ta	аре							
Time Start Pur	ge: 11:34		Tim	e End Purge: 11:4	49	Time S	ampled: 11:50			
Measuring Poir	nt Descripti	on: TOC								
Purge Method:	Low-Flow		Pur	ge Depth: 1' from	n bottom					
Well Volume Calculation	Total Dep (ft)	oth Depth to (f	o Water t)	Water Column (ft)	Multipl ¾''=.022	lier for Cas 9, 1"=.041	ing Diameter (i , 2"=.163, 4"=.(n) 653	Casing Volume (gal)	
(Fill in before purging)	14.20	7.5	50	6.70	.0229	.0229			0.15	
P 99/	Notes:									
	Timo	11.27	11.40	11.42	11.46	11.40				
Denth to	Water (ft)	8.8	8 5	85	8 48	8 48				
Volume P	urged (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 m	nS/cm (3%)	0.496	0.494	0.495	0.496	0.496				
Turbidity (<10) 5.84				0.00	0.00	4.25				
DO (+/- 0.3) 1.40				0.85	0.71	0.67				
0	RP (+/- 10)	97.2	95.4	93.1	90.0	87.5				
	Color	Clear	Clear	Clear	Clear	Clear				
0	dor/Sheen	Odor	Odor	Odor	Odor	Odor				
Comments: Fai	nt Odor.									
Percent Recove	ery:	Depth to	Water at	Sampling (ft):	No	ote(s):				
Sampling / Fiel	d Equipmer	nt (Manufactu	re / Mode	el / Last Calibratio	on):	/		_/		
Sampling / Fiel	d Equipmer	nt (Manufactu	re / Mode	el / Last Calibratio	on):	/		_/		
Sampling / Fiel	d Equipmer	nt (Manufactu	re / Mode	el / Last Calibratio	on):	/		_/		
Sample Sa No. Qu	ample lantity ⁴	Cor 0 mL VOA/500 ml	ntainer Ty Amber / 1 Poly	/pe L Amber / 250 mL	Preservativ Filtered	e / Field (FF)	Analysis Request	Visı (Clea	ual Observation r, Cloudy, Silty, Etc.)	
Total Discharge	e (gal):		Disp	osal Method:			Drum Designa	tion(s)/	Volume:	
WELL HEAD	CONDITIO	ONS CHECK	LIST (Ci	rcle YES or NO	if NO, add	d commer	<u>its)</u>			
Well Security	Devices C	OK (Bollards,	Christy L	id, Casing Lid	and Lock): <mark>Y</mark>	<mark>'ES</mark> / NC	Well Ca	sing: <mark>Y</mark>	<mark>ES</mark> / NO	
Inside of Well Comments:	l Head and	l Outer Casin	g Dry:	<mark>YES</mark> / NO						

Date:	3/30/2021
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Project Name:	BLT Transpo	ort	Proj	ject No.: 0611-01	Well No	Well No.: MW5							
Field Personne	I: SRB/CZL		Stat	ic Water Level: 7	.41	·							
Water Level M	easurement	: Method: E-Ta	аре										
Time Start Pur	ge: 09:42		Tim	e End Purge: 10:0	00	Time Sa	ampled: 10:01						
Measuring Poir	nt Descriptio	on: TOC											
Purge Method:	Low-Flow		Pur	ge Depth: 1' from	bottom				-				
Well Volume Calculation	Total Dep (ft)	th Depth to	o Water t)	Water Column (ft)	Multipl ¾''=.022	lier for Casi 9, 1"=.041,	ng Diameter (i 2″=.163, 4″=.6	Casing Volume (gal)					
(Fill in before	13.71	7.4	41	6.30	6.30 .0229			0.14					
parsing)	Notes:												
	Time 09:45 09:48 09:54 09:57 10:00												
Dopth to	Mator (ft)	7 02	7 05	09:51 09:51	09:54 <u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> 09:54 <u> </u> <u> </u> <u> </u> <u> </u> 09:54 <u> </u> <u> </u> <u> </u> 09:54 <u> </u> <u> </u> <u> </u> 00 <u> </u> 0 <u> 0 </u> 0 <u> 0</u></u>	09:57	10:00						
Volume P	urged (mL)	600	1 200	1 800	2 400	3 000	3 600						
Volume r	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						
C	00 (+/- 0.3)	1.49	1.01	0.83	0.73	0.70	0.67						
0	RP (+/- 10)	130.8	132.4	129.5	126.6	120.2	119.0						
	Color	Clear	Clear	Clear	Clear	Clear	Clear						
0	dor/Sheen	None	None	None	None	None	None						
Comments:													
Percent Recove	ery:	Depth to	Water at	Sampling (ft):	Nc	ote(s):							
Sampling / Fiel	d Equipmer	it (Manufactur	re / Mode	el / Last Calibratio	on):	/		_/					
Sampling / Fiel	d Equipmer	it (Manufactur	re / Mode	el / Last Calibratio	on):	/_		_/					
Sampling / Fiel	d Equipmer	ıt (Manufactur	re / Mode	el / Last Calibratio	on):	/		_/					
Sample Sa No. Qu	ample antity 4	Cor 0 mL VOA/500 ml	ntainer Ty - Amber / 1 Poly	/pe L Amber / 250 mL	Preservativ Filtered	e / Field (FF)	Analysis Request	Visı (Clea	ual Observation r, Cloudy, Silty, Etc.)				
Total Discharge	e (gal):		Disp	osal Method:			Drum Designa	tion(s)/	Volume:				
WELL HEAD	CONDITIO	ONS CHECK	<u>LIST (Ci</u>	rcle YES or NO	if NO, add	d commen	<u>ts)</u>						
Well Security	Devices C	K (Bollards,	Christy L	_id, Casing Lid a	and Lock): <mark>Y</mark>	<mark>'ES</mark> / NO	Well Ca	sing: <mark>Y</mark>	<mark>ES</mark> / NO				
Inside of Well Comments:	l Head and	Outer Casin	g Dry:	<mark>YES</mark> / NO									

Project Name: I	BLT Trucking		Proj	ect No.: 0611-01	-03-02	Well No.	: MW1	Date: 6/15/21				
Field Personnel	: SRB/CZL		Stat	ic Water Level: 8	.14							
Water Level Me	easurement	Method: E-Ta	аре									
Time Start Purg	e: 11:15		Tim	e End Purge: 11:3	33	Time San	npled: 11:35					
Measuring Poin	t Descriptio	n: TOC	1			•						
Purge Method:	Low-Flow		Pur	Purge Depth: 1' from bottom								
Well Volume Calculation	Total Dept (ft)	h Depth to (fi	o Water t)	Water Column (ft)	Multip ¾''=.022	lier for Casing 29, 1″=.041, 2	g Diameter (in) "=.163, 4"=.653	Casing Volume (gal)				
(Fill in before purging)	14.36	8.41		5.95	.0229			0.14				
par 88)	Notes:											
	Time	11.10	44.24	11.24	11.27	11.20	11.22					
Time 11:18		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 Pu	urged (mL)	300	600	900	1200	1500	1800					
1	oH (+/-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 u	S/cm (3%)	262	265	268	270	275	275					
Turb	idity (<10)	69	74	41.62	28.21	7.03	4.94					
D	O (+/- 0.3)	2.00	1.08	0.87	0.58	0.40	0.31					
OI	RP (+/- 10)	-5.6	-3.3	-0.7	2.2	3.6	4.6					
	Color	Clear	Clear	Clear	Clear	Clear	Clear					
0	dor/Sheen	None	None	None	None	None	None					
Comments:												
Percent Recove	ery:	Depth to	Water at	Sampling (ft):	No	ote(s):						
Sampling / Field	d Equipment	(Manufactur	re / Mode	el / Last Calibratio	on):	/	/					
Sampling / Field	d Equipment	(Manufactur	re / Mode	el / Last Calibratio	on):	/	/					

/_ Sampling / Field Equipment (Manufacture / Model / Last Calibration): ./_ Container Type Sample Sample Preservative / Field Analysis Visual Observation 40 mL VOA/500 mL Amber / 1 L Amber / 250 mL Quantity No. Filtered (FF) Request (Clear, Cloudy, Silty, Etc.) Poly

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

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

Project Name:	BLT Trucking	5	Proj	ject No.: 0611-01	L-03-02	Well No.	: MW2		Date: 6	5/15/21		
Field Personne	l: SRB/CZL		Stat	ic Water Level: 8	3.41							
Water Level Me	easurement	Method: E-Ta	pe									
Time Start Purg	ge: 12:12		Tim	e End Purge: 12:	27	Time San	Time Sampled: 12:28					
Measuring Poir	nt Descriptio	n: TOC										
Purge Method:	Low-Flow		Pur	ge Depth: 1' fron	n bottom							
Well Volume Calculation (Fill in before	Total Dept (ft)	h Depth to: (ft) Water	Water Column (ft)	Multip ¾''=.022	lier for Casin 9, 1"=.041, 2	g Diame 2″=.163,	ter (in) 4"=.653	Casing Volume (gal)			
	14.25	8.14		6.11	.0229				0.14			
purging)	Notes:			• •		·	·					
				r		1	•	r				
	Time	12:15	12:18	3 12:21	12:24	12:27						
Depth to	Water (ft)	8.85	8.89	8.82	8.84	8.85						
Volume P	urged (mL)	300	600	900	1200	1500						
I	pH (+/-0.1)	6.87	6.89	6.88	6.88	6.88						
Temperature	C. (+/- 1.0)	13.81	13.88	3 13.93	13.91	13.90						
Conductivity u	ıS/cm (3%)	271	274	274	274	274						
Turk	oidity (<10)	55	5.93	3.67	1.98	0.87						
D	00 (+/- 0.3)	1.29	0.39	0.35	0.37	0.39						
0	RP (+/- 10)	66.6	59.1	57.3	56.5	56.2						
	Color	Clear	Clear	Clear	Clear	Clear						

Comments: This well has poor recharge, did not allow for time for stabilization of parameters.										
Percent Re	ecovery:	Depth to Water at Sampling (ft):	Note(s):							
Sampling ,	Sampling / Field Equipment (Manufacture / Model / Last Calibration):///									
Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /										
Sampling ,	/ Field Equip	ment (Manufacture / Model / Last Calibratio	on):/		_/					
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.)					

None

None

None

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

None

Odor/Sheen

None

Well Security Devices OK (Bollards, Christy	Lid, Cas	sing	J Lid and Lock): <mark>YES</mark> / NO	Well Casing: <mark>YES</mark> / NO
Inside of Well Head and Outer Casing Dry:	YES	/	NO	
Comments:				

Project Name:	BLT Trucking	Ş	Pro	ject No.: 0611-0	1-03-02	Well No.	: MW3	Date:	6/15/21			
Field Personne	I: SRB/CZL		Stat	tic Water Level:	8.04							
Water Level Me	easurement	Method: E-Ta	аре									
Time Start Purg	ge: 10:55		Tim	e End Purge: 11	:10	Time Sar	Time Sampled: 11:11					
Measuring Poir	nt Descriptio	n: TOC	•									
Purge Method:	Low-Flow		Pur	ge Depth: 1' froi	n bottom							
Well Volume Calculation (Fill in before purging)	Total Dept (ft)	h Depth to: (f	o Water t)	Water Column (ft)	Multip ¾''=.022	lier for Casin 29, 1"=.041, 2	g Diameter (in) 2″=.163, 4″=.653	Casing Volume (gal)				
	14.45	8.04		6.41	.0229			.15				
purging)	Notes:											
			1			1	1					
	Time	10:58	11:01	L 11:04	11:07	11:10						
Depth to	Water (ft)	8.22	8.20	8.20	8.20	8.20						
Volume P	urged (mL)	300	600	900	1200	1500						
l	pH (+/-0.1)	7.15	7.22	7.25	7.26	7.26						
Temperature	C. (+/- 1.0)	16.67	16.90	0 17.04	17.16	17.24						
Conductivity u	ıS/cm (3%)	226	226	228	228	228						
Turk	oidity (<10)	6.81	4.11	5.84	0.93	0.58						
D	00 (+/- 0.3)	0.80	0.21	0.11	0.10	0.15						
0	RP (+/- 10)	-8.8	-55.3	-69.9	-82.8	-96.6						
	Color	Clear	Clear	- Clear	Clear	Clear						

Comment	Comments: Chemical odor										
Percent Re	ecovery:	Depth to Water at Sampling (ft):	Note(s):								
Sampling ,	Sampling / Field Equipment (Manufacture / Model / Last Calibration):///										
Sampling ,	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /										
Sampling ,	/ Field Equip	ment (Manufacture / Model / Last Calibratio	on):/		_/						
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.)						

Odor

Odor

Odor

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

Odor

Odor/Sheen

Odor

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		Proj	ect No.: 0611-01	-03-02	Well No.:	: MW4 D	ate: 6/1	15/21		
Field Personne	: SRB/CZL		Stat	ic Water Level: 8	.50						
Water Level Me	easurement	Method: E-T	ape								
Time Start Purg	ge: 10:08		Tim	e End Purge: 10:2	26	Time San	npled: 10:27				
Measuring Poir	nt Descriptio	n: TOC									
Purge Method:	Low-Flow		Pur	ge Depth: 1' from	n bottom						
Well Volume Calculation (Fill in before	Total Dept (ft)	h Depth t (f	o Water t)	Water Column (ft)	Multip ¾''=.022	lier for Casing 29, 1"=.041, 2	g Diameter (in ."=.163, 4"=.6	i) 53	Casing Volume (gal)		
	14.39	8.50		5.89	.0229				0.13		
purging)	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 P	urged (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 u	ıS/cm (3%)	281	280	280	279	279	279				
Turk	oidity (<10)	10.76	6.25	6.20	3.81	4.35	5.26				
D	00 (+/- 0.3)	0.67	0.66	0.62	0.83	0.67	0.64				
0	RP (+/- 10)	27.6	14.3	3.0	-10.3	-17.9	-24.3				
	Color	Clear	Clear	Clear	Clear	Clear	Clear				
0	dor/Sheen	Odor	Odor	Odor	Odor	Odor	Odor				

Comments	Comments: Chemical odor											
Percent Recovery: Depth to Water at Sampling (ft): Note(s):												
Sampling /	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / / /											
Sampling /	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / / /											
Sampling /	[/] Field Equip	ment (Manufacture / Model / Last Calibratio	on):/		_/							
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 Security Devices OK (Bollards, Christy I	Lid, Ca	sing	l Lid and Lock): <mark>YES</mark>	/ NO	Well Casing: <mark>YES</mark> / NO
Inside of Well Head and Outer Casing Dry:	YES	/	NO		
Comments:					

Project Name:	Project Name: BLT Trucking				0611-01	-03-02	Well No.:	o.: MW5 Date: 6/15/21				
Field Personnel	: SRB/CZL		Stat	Static Water Level: 8.20								
Water Level Me	easurement I	Vethod: E-Ta	pe									
Time Start Purge: 09:19			Tim	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	Total Deptl (ft)	n Depth to (ft) Water	ater Water Column (ft)		Multiplier for Casing Diameter (in) ¾''=.0229, 1"=.041, 2"=.163, 4"=.653			ı) 53	Casi	ng Volume (gal)	
(Fill in before	14.41	8.20		6.21		.0229				0.14		
parsing)	Notes:											
							<u>.</u>					
Time 09:22				(09:28	09:31						
Depth to	Water (ft)	8.50	8.50		8.50	8.50						

Depth to Water (ft)	8.50	8.50	8.50	8.50		
Volume Purged (mL)	300	600	900	1200		
рН (+/-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		

Comment	5:									
Percent Recovery: Depth to Water at Sampling (ft): Note(s):										
Sampling / Field Equipment (Manufacture / Model / Last Calibration): / //										
Sampling ,	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /									
Sampling ,	/ Field Equip	ment (Manufacture / Model / Last Calibratio	on):/		_/					
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 Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock): <mark>YES</mark> ,	/ NO	Well Casing: <mark>YES</mark> / NO
Inside of Well Head and Outer Casing Dry: YES / NO		
Comments:		

Project Name:	BLT Trucking	5	Proj	ject No.: 0611-01	-03-02	Well No.:	MW	/1		Date	: 9/23/21
Field Personnel	: CZL		Stat	Static Water Level:9.61							
Water Level Me	easurement	Method: E-Ta	ape								
Time Start Purg	ge: 1420		Tim	Time End Purge: 1432Time Sampled: 1435							
Measuring Poir	nt Descriptio	n: TOC									
Purge Method:	Low-Flow		Pur	urge Depth: 1' from bottom							
Well Volume Calculation	Total Dept (ft)	h Depth to: (f	o Water t)	Water Column (ft)	Multipl ¾''=.022	Multiplier for Casing Diameter (in) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653			Casing Volume (gal)		
(Fill in before	14.36	9.61		4.75	.0229					0.33	
parsing/	Notes:										
							-				
	Time	1423	1426	1429	1432						
Depth to	Water (ft)	9.75	9.75	9.75	9.75						
Volume P	urged (mL)	300	600	900	1200						
pH (+/-0.1) 6.83		6.82	6.81	6.81							
Temperature C. (+/- 1.0) 20.13				18.35	18.12						
Conductivity uS/cm (3%) 482				494	497						
Turh	nidity (<10)	78 3	43.6	77.0	47.4						

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	5:										
Percent Re	Percent Recovery:Depth to Water at Sampling (ft):Note(s):										
Sampling / Field Equipment (Manufacture / Model / Last Calibration): / //											
Sampling /	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / / /										
Sampling /	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 H	EAD COND	NITIONS CHECKLIST (Circle YES or NC) if NO, add comme	nts)							

Project Name:	BLT Trucking	5	Proj	iect No.: 0611-0	1-03-02	Well No.:	M٧	/2	Dat	te: 9/23/21	
Field Personnel	l: CZL		Stat	ic Water Level:	9.65						
Water Level Me	easurement	Method: E-T	ape								
Time Start Purg	ge: 1240		Tim	e End Purge: 12	52	Time Sam	pled	: 1255			
Measuring Poir	nt Descriptio	n: TOC									
Purge Method:	Low-Flow		Pur	urge Depth: 1' from bottom							
Well Volume Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calcul				erWaterMultiplier for Casing Diameter (in)Column (ft)¾"=.0229, 1"=.041, 2"=.163, 4"=.653					Ca	Casing Volume (gal)	
(Fill in before	14.25	9.65			.0229						
Por 911/9/	Notes:										
							-				
	Time	1243	1246	1249	1252						
Depth to	Water (ft)	10.10	10.10	10.10	10.10						
Volume P	urged (mL)	300	600	900	1200						
pH (+/-0.1) 6.80		6.79	6.77	6.81							
Temperature C. (+/- 1.0) 19.81				19.49	19.25						
Conductivity uS/cm (3%) 508				541	533						
Turk	(-10)	41.0	110	21.6	21.0						

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	Comments: This well has poor recharge, did not allow for time for stabilization of parameters.										
Percent Re	ecovery:	Depth to Water at Sampling (ft):	Note(s):								
Sampling / Field Equipment (Manufacture / Model / Last Calibration): / //											
Sampling /	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / / /										
Sampling /	' Field Equip	ment (Manufacture / Model / Last Calibratio	on):/		_/						
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						

Project Name:	BLT Trucking	5	Proj	ect	No.: 0611-01	-03-02	W	ell No.: M	W3		Date: 9	9/23/21	
Field Personnel	: SRB/CZL		Stat	ic W	/ater Level: 9	.03							
Water Level Me	easurement	Method: E-Ta	ape										
Time Start Purg	ge: 1150		Tim	e En	d Purge: 120	2	Ti	Time Sampled: 1210					
Measuring Poir	nt Descriptio	n: TOC											
Purge Method:	Low-Flow		Pur	Purge Depth: 1' from bottom									
Well Volume Calculation (ft) (ft) (ft)				er Water Multiplier for Casing Diameter (in) Column (ft) ¾"=.0229, 1"=.041, 2"=.163, 4"=.653						Casing Volume (gal)			
(Fill in before 14.45 9.03						.0229							
purging)	Notes:								·				
	Time	1153	1156		1159	1202							
Depth to	Water (ft)	9.10	9.10		9.10	9.10							
Volume P	urged (mL)	300	600		900	1200							
I	pH (+/-0.1)	7.18	7.21		7.21	7.21							
Temperature	C. (+/- 1.0)	24.54	23.81		23.58	23.31							
Conductivity u	ıS/cm (3%)	197	194		193	195							
Turb	oidity (<10)	19	15.3		13.7	12.6							
D	DO (+/- 0.3) 0.40				0.00	0.00							
0	RP (+/- 10)	-23	-76		-90	-101							
	Color	Clear	Clear		Clear	Clear							
0	dor/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 /	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /									
Sampling /	' Field Equip	ment (Manufacture / Model / Last Calibratic	on):/		_/					
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										

Project Name:	BLT Trucking		Proj	ect No.: 06	511-01	-03-02	Well No	о.: MV	V4	Date: 9/	23/21	
Field Personne	: SRB/CZL		Stat	ic Water Le	evel: 1	0.30						
Water Level M	easurement	Method: E-Ta	ape									
Time Start Purg	ge: 1340		Tim	Time End Purge: 1352 Time Sampled: 1355								
Measuring Poir	nt Description	n: TOC										
Purge Method:	Low-Flow		Pur	urge Depth: 1' from bottom								
Well Volume Calculation	o Water t)	Wate Column	r (ft)	Multipl ¾''=.022	ier for Casi 9, 1″=.041,	ng Dia 2"=.10	meter (i 53, 4"=.	n) 653	Cas	ing Volume (gal)		
(Fill in before	14.39	10.30				.0229						
purging)	Notes:											
			-									_
	Time	1343	1346	13	49	1352						
Depth to	Water (ft)	10.51	10.51	10.	60	10.60						
Volume P	urged (mL)	300	600	90	00	1200						
	pH (+/-0.1)	6.90	6.92	6.9	92	6.92						
Temperature C. (+/- 1.0) 21.22			21.39	21.	43	21.55						
Conductivity uS/cm (3%) 392				38	33	390						
Turk	Turbidity (<10) 62.5			57	.1	46.7						
D	00 (+/- 0.3)	0.34	0.00	0.0	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:	npling (ft):	No	te(s):				

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

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

Project Name:	BLT Trucking		Proj	ect No.: 0611-01	-03-02	Well No.	: MW5	Date: 9/23/21
Field Personnel	: CZL		Stat	ic Water Level: 9	.40			
Water Level Me	easurement	Method: E-Ta	ape					
Time Start Purg	ge: 1030		Tim	e End Purge: 104	8	Time San	npled: 1050	
Measuring Poir	nt Descriptio	n: TOC					·	
Purge Method:	Low-Flow		Pur	ge Depth: 1' from	bottom			
Well Volume Calculation	h Depth to (f	o Water t)	Water Column (ft)	Multip ¾''=.022	lier for Casing 29, 1"=.041, 2	g Diameter (in) ."=.163, 4"=.653	Casing Volume (gal)	
(Fill in before	14.41	9.40			.0229			
Purging)	Notes:						-	
						1	1	
Time 1033				1039	1042	1045	1048	
Depth to	Water (ft)	9.60	9.60	9.60	9.60	9.60	9.60	
Volume P	urged (mL)	300	600	900	1200	1500	1800	
	oH (+/-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 u	ıS/cm (3%)	692	73	725	741	735	744	
Turb	oidity (<10)	14.4	8.3	.2	6.0	6.1	6.6	
D	0 (+/- 0.3)	1.52	0.59	0.42	1.80	1.60	1.51	
0	RP (+/- 10)	106	95	87	78	74	68	
	Color	Clear	Clear	Clear	Clear	Clear	Clear	
0	dor/Sheen	None	None	None	None	None	None	
Comments:								
Percent Recove	ery:	Depth to	Water at	Sampling (ft):	No	ote(s):		
Sampling / Field	d Equipment	(Manufactu	e / Mode	el / Last Calibratio	on):	/	/	
Sampling / Field	d Equipment	(Manufactu	re / Mode	el / Last Calibratio	on):	/	/	
Someling / Field	d Faulamant	/Manufactur	o / Mode	l / Last Calibrati	20):	1	1	

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

Project Na	me: BLT Tru	cking		Proi	iect N	lo.: 0611-01	-03-02	Well N	No.: MW1		Date	: 11/17/21
Field Perso	onnel: CZL	0		Stat	, tic Wa	ater Level:5.	74					
Water Leve	el Measurer	nent M	ethod: E-Ta	ape								
Time Start	Purge: 123)		Tim	e Enc	d Purge: 124	5	Time	Sampled: 1250			
Measuring	Point Desc	ription:	тос				-					
Purge Met	hod: Low-F	ow		Pure	ge De	oth: 1' from	bottom					
Well Volur Calculatio	me Total	Depth ft)	Depth to (f	o Water t)	Cc	Water olumn (ft)	Multip ¾''=.022	lier for Ca 29, 1"=.042	sing Diameter (i 1, 2″=.163, 4″=.	in) 653	Casing Volume (gal)	
(Fill in befo	ore 14.36		5.74		8.6	2	.0229				0.20	
purging,	Notes	5:										
	•											
	T	ime	1233	1236		1239	1242	1245				
Dept	Depth to Water (ft)											
Volun	ne Purged (mL)	300	600		900	1200	1500				
pH (+/-0.1) 7.63						6.53	6.48	6.43				
Temperat	ture C. (+/-	1.0)	13.3	14.1		14.3	14.0	13.8				
Conductiv	vity uS/cm (3%)	552	557		556	578	581				
	Turbidity (<	:10)	100.82	101.73	3	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				
	C	olor	Clear	Clear		Clear	Clear	Clear				
	Odor/Sh	een	None	None	9	None	None	None				
Comments	:											
Percent Re	covery:		Depth to	Water at	: Sam	pling (ft):	No	ote(s):				
Sampling /	Field Equip	ment (I	Manufactu	re / Mode	el / La	ast Calibratio	on):	/		_/		
Sampling /	Field Equip	ment (I	Manufactu	re / Mode	el / La	ast Calibratio	on):	/		_/		
Sampling /	Field Equip	ment (I	Manufactu	re / Mode	el / La	ast Calibratio	on):	/		_/		
Sample No.	Sample Quantity	40 m	Cor L VOA/500 ml	ntainer Ty L Amber / 1 Poly	/pe L Amb	oer / 250 mL	Preservativ Filtered	ve / Field I (FF)	Analysis Request	Visu (Clea	ual Ob r, Cloud	servation y, Silty, Etc.)
MW1	1	(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved Poly Clear								ar		

WELL HEAD CONDITIONS CHECKLIST (Circle YES or NO -- if NO, add comments) Well Casing: YES / NO Well Security Devices OK (Bollards, Christy Lid, Casing Lid and Lock): YES / NO Inside of Well Head and Outer Casing Dry: YES / NO

MTCA 5 Metals

Comments:

Project Name:	BLT Trucking	Į.	Proj	ject N	o.: 0611-01	-03-02		Well No.: MV	/2	_	Date	: 11/17/21
Field Personne	l: CZL		Stat	tic Wa	ter Level: 6	.77						
Water Level M	easurement	Method: E-Ta	аре									
Time Start Purg	ge: 1327		Tim	e End	Purge: 133	9		Time Sampled	: 1340			
Measuring Poir	nt Descriptio	n: TOC										
Purge Method:	Low-Flow		Pur	Purge Depth: 1' from bottom								
Well Volume Calculation	o Water t)	Vater Water Multiplier Column (ft) ¾''=.0229,			ier 9, 1	for Casing Dia L"=.041, 2"=.16	neter (in 53, 4"=.6!) 53	Casing Volume (gal)			
(Fill in before	14.25	6.77		7.48	3	.0229					0.17	
parsing/	Notes:											
			[
	Time	1330	1333		1336	1339						
Depth to	Water (ft)											
Volume P	urged (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 u	uS/cm (3%)	127.5	123.0)	118.8	120.8						
Turbidity (<10) 52.93			36.45	5	23.46	16.26						
C	00 (+/- 0.3)	15.7	11.3		8.9	8.4						
0	ORP (+/- 10) 25.4				34.3	35.7						
	Color	Clear	Clear		Clear	Clear						

Comments	5:											
Percent Recovery: Depth to Water at Sampling (ft): Note(s):												
Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /												
Sampling /	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /											
Sampling /	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												

None

None

Odor/Sheen

None

None

 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

 Inside of Well Head and Outer Casing Dry:
 YES / NO

 Comments:

Project Name:	BLT Trucking		Proj	ect No.: 0611-01	-03-02	Well No.: M	W3	Date: 11/17/21			
Field Personnel	: CZL		Stat	ic Water Level: 6	.95	·					
Water Level Me	easurement l	Method: E-T	ape								
Time Start Purg	ge: 1017		Tim	e End Purge: 102	.9	d: 1030					
Measuring Poir	nt Description	n: TOC				·					
Purge Method:	Low-Flow		Pur	Purge Depth: 1' from bottom							
Well Volume Calculation (ft) Calculation				Water Column (ft)	ameter (in) 163, 4"=.653	Casing Volume (gal)					
(Fill in before 14.45 6.95				7.50	.0229			0.17			
purging)	Notes:										
	_										
	Time	1017	1023	1026	1029						
Depth to	Water (ft)										
Volume Pu	urged (mL)	300	600	900	1200						
F	oH (+/-0.1)	8.01	7.78	7.70	7.69						
Temperature	C. (+/- 1.0)	11.5	12.0	11.9	11.9						
Conductivity u	IS/cm (3%)	144.4	148.9	149.6	150.1						
Turb	oidity (<10)	5.86	4.44	3.76	3.51						
D	O (+/- 0.3)	24.8	12.0	10.6	9.8						
0	RP (+/- 10)	-46.1	-43.7	.52.0	-59.5						
	Color	Clear	Clear	Clear	Clear						
Odor/Sheen None				None	None						
Comments:	Comments:										

Comments	5:										
Percent Re	Percent Recovery:Depth to Water at Sampling (ft):Note(s):										
Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /											
Sampling /	Sampling / Field Equipment (Manufacture / Model / Last Calibration): / /										
Sampling /	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.)						
MW31(2) 1L Ambers, (1) 500mL Amber, (3) 40 mL VOAs, (1) 250mL Unpreserved Poly, (1) 250mL Preserved PolyNHO3DRO, ORO, GRO, BTEX, PAHs, PCBs, MTCA 5 MetalsClear											

Project Name:	BLT Trucking		Proj	ect No.: 0611-01	-03-02	Well No.:	: MW4 Dat	:e: 11/1	7/21
Field Personnel	: CZL		Stat	ic Water Level: 7	.68				
Water Level Me	easurement N	Method: E-Ta	ape						
Time Start Purg	ge: 0935		095	3		1000			
Measuring Poir	nt Descriptior	n: TOC							
Purge Method:	Low-Flow		Pur	ge Depth: 1' from	n bottom				
Well Volume Calculation	Total Depth (ft)	n Depth to (f	o Water t)	Water Column (ft)	Multip ¾''=.022	lier for Casing 29, 1"=.041, 2	g Diameter (in) "=.163, 4"=.653	3	Casing Volume (gal)
(Fill in before	14.39	7.68		6.71	.0229			C).15
purging)	Notes:	·							
	Time	0938	0941	0944	0947	0950	0953		
Depth to	Water (ft)								
Volume Pi	urged (mL)	300	600	900	1200	1500	1800		
I	oH (+/-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 u	ıS/cm (3%)	186	189.8	190.9	192.3	191.0	192.2		
Turb	oidity (<10)	11.61	12.68	570	5.54	3.68	5.61		
D	0 (+/- 0.3)	61.5	49.0	26.8	18.9	17.1	16.2		
0	RP (+/- 10)	102.7	85.0	43.0	13.8	-1.5	-15.8		
Color Clear				Clear	Clear	Clear	Clear		
0	dor/Sheen	None	None	None	None	None	None		
Comments:									

Comments	5.											
Percent Re	Percent Recovery: Depth to Water at Sampling (ft): Note(s):											
Sampling / Field Equipment (Manufacture / Model / Last Calibration)://												
Sampling /	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												

Project Name	: BLT Truc	king		Proj	Project No.: 0611-01-03-02 Well				lo.: MW5		Date	: 11/17/21
Field Personn	el: CZL	0		Stat	ic W	/ater Level: 6	.99					
Water Level N	Neasurem	ent Me	thod: E-Ta	ape								
Time Start Pu	rge: 1128			Tim	e En	d Purge: 114	3	Time	Sampled: 1	145		
Measuring Po	oint Descri	ption: 1	ГОС			0						
Purge Metho	d: Low-Flo	w		Pur	ge D	epth: 1' from	bottom					
Well Volume Calculation	Total D (ft))	Depth to (f	Depth to Water (ft)		Water Column (ft)	Multip ¾‴=.022	lier for Cas 29, 1"=.041	sing Diame L, 2"=.163,	eter (in) 4"=.653	Cas	ing Volume (gal)
(Fill in before	14.41		6.99		7.42		.0229				0.17	,
purging)	Notes:											
	Tin	ne	1131	1134		1137	1140	1143				
Depth	to Water (ft)										
Volume	Purged (m	iL)	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 (39	%)	393.3	403.0)	405.6	403.6	405.0				
Tu	rbidity (<1	0)	19.41	15.28	}	8.66	8.22	6.03				
	DO (+/- 0.	3)	18.6	14.1		10.1	8.9	7.8				
	ORP (+/- 1	0)	11.3	9.6		4.0	0.1	-3.2				
	Col	or	Clear	Clear		Clear	Clear	Clear				
	Odor/Shee	en	None	None		None	None	None				
Comments:												
Percent Reco	very:		Depth to	Water at	San	npling (ft):	No	ote(s):				
Sampling / Fig	eld Equipm	nent (N	lanufactu	re / Mode	el / L	ast Calibratio	on):	/		/		
Sampling / Fig	eld Equipm	nent (N	lanufactu	re / Mode	el / L	ast Calibratio	on):	/		/		
Sampling / Fig	eld Equipm	nent (N	lanufactu	re / Mode	el / L	ast Calibratio	on):	/		/		
Sample Sample No.	Sample Quantity	40 mL	Cor VOA/500 m	ntainer Ty L Amber / 1 Poly	/pe L Am	1ber / 250 mL	Preservativ Filtered	ve / Field d (FF)	Analys Reque	sis st	Visual Ob (Clear, Cloud	servation ly, Silty, Etc.)
MW5	1	(2) 1L A (1) 250	Ambers, (1) 5 mL Unpreser	500mL Ambe rved Poly, (1 Poly	er, (3) L) 250) 40 mL VOAs, DmL Preserved	NHC)3	DRO, OF GRO, BT PAHs, PC MTCA 5 N	RO, EX, CBs, letals	Cle	ear
WELL HEA	D COND		S CHECK	KLIST (C	ircle	YES or NC) if NO, ac	ld comme	ents)			
Well Securi	ty Device	s OK (Bollards,	Christy	Lid,	Casing Lid	and Lock):	YES / N	O W	ell Casir	ng: <mark>YES</mark> /	NO

Inside of Well Head and Outer Casing Dry: YES / NO

Comments:

					Project: 0611-01-03				ori	ng ID:	B9/MW-1		
E		Practical Env	rironmental C	ompliance Solutions	Location:	800 South	n 259th St Kent, WA	Broid		lumbori		0611-01-03	
	Services		Onicesin	Anchorage locoma Poniana	Client:	В	LT Trucking		5011			00	11-01-03
Date	Start/Finish:		3/16	5/2021	Drilling	Method:	DPT	υ	GW	WELL-GRADED GR	AVEL, FI	Cation NE TO C	OARSE GRAVEL
L	ogged By:		C. Mo	Fadden	Auger	ID/OD:		/E SOIL	GP POORLY-GRAD				
Cł	necked By:		C. Mo	Fadden	Borehol	e ID/OD:	3 inches	S GC CLAYEY GRAVEL SW WELL-GRADED SAND, FINE TO COARSE SAND S POPOLY COARSE SAND				RSE SAND	
C	ontractor:	Star	ndard Envi	ronmental Probe	Sam	pler:	Macrocore	NON-CC	SM SC	SILTY SAND	JAND		
	Operator:		Ru	ssell	Hammer	Wt./Fall:		ML SILT O CL CLAY					
Bori	ng Location:		566	мар	Water	Depth:	 8 foot	E SOIL	OL MH	ORGANIC SILT, OR SILT OF HIGH PLAS	GANIC C STICITY, I	LAY ELASTIC	SILT
	Neather	Cle	ear - 35 de	 prees Farenheit	Boring	Depth:	15 feet	DHESIV	СН ОН	CLAY OF HIGH PLA ORGANIC CLAY, OF	STICITY,	FAT CL/ SILT	λY
	veatiler.			<u> </u>	Doning	Deptil	10 1001	8	PT	PEAT			_
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odo Sheen, Etc		Soil and			Unified Classificatior			ven Construction Detail	
0						Asp	halt Surface						Monument
1			0.0										Bentonite
2										SM			
3	B-9:3	9:36			Silty Sa	nd with aray	rel: brown: damp_mos	stlv fin	e				Sand
4					sand w	ith some sil	t and minor gravel; no	o odor	-				
5					-								
6					_								
7	B-9·8	9.46								ML			
, 8	0.0	0.40				creased Sa	ad content: wet: no odo						
0					- "		iu content, wet, no ouoi						
9													
10													
11					Poorly-gra	aded Sand;	brown; wet; fine sand	; no o					
12													
13					_								
14					Silt; gray;	medium pla	asticitiy; low dilatancy	; no o	dor	MC			
15	B-9:15	9:55	•										
16						Termina	ation of borehole						
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27					_								
28													
20													
29													
30													
Notes	: vveil Tag ID:	BNN691 - I	ww-1; Scr	een 5-15'; 0.010" Slo	t; Sand 3-15' <u>,</u>	Bentonite 1	I-J ⁻						

6		Dreation		Same line og Coludia og	Project:	C	611-01-03	В	or	ing ID:	B10
Er	nvironmental Services	Practical Envi	Offices In	:Anchorage Tacoma Portland	Location:	800 South	259th St Kent, WA	Pro	oject	Number:	0611-01-03
Data	Start/Finish:		2/16	2001	Client:	B Mathadi				Jnified Soil Class	ification System
Date				5/2021	Drining		DPT	SILS	GW GP	WELL-GRADED GR POORLY-GRADED	AVEL, FINE TO COARSE GRAVEL
	byged By:		C. Mc	Fadden	Borehol		3 inches	SIVE S	GM GC	SILTY GRAVEL CLAYEY GRAVEL	
C	ontractor:	Star	dard Envi	ronmental Probe	Sam	pler:	Macrocore	COHE	SW SP	WELL-GRADED SA POORLY-GRADED	ND, FINE TO COARSE SAND SAND
	Operator:		Ru	Issell	Hammer	Wt./Fall:		NON	SM SC	SILTY SAND CLAYEY SAND	
Bori	ng Location:		See	e Map	Ground I	Elevation:		ILS	CL		
Co	ordinates:				Water	Depth:	8 feet	IVE SC	MH CH	SILT OF HIGH PLAS	STICITY, ELASTIC SILT
١	Weather:	Cle	ar - 35 de	grees Farenheit	Boring	Depth:	15 feet	COHES	OH PT	ORGANIC CLAY, OI PEAT	RGANIC SILT
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc		Soil and	Rock Description				Unified Classification
0						Asp	halt Surface				
1											
2					Silty Sand:	brown: dan	np: mostly fine to med	dium	ı sar	d	
3					with	some silt a	nd minor gravel; no o	dor			SM
4	B-10:4	10:40									
5											
6					Poorly-grad	ed Sand with	silt; brown; damp; no o	dor;	most	ly	SP-SM
7					-	line s					
8	B-10:8	10:45									
9					-						
10					Wet;	poorly-grade	d sand; brown; wet; no	odor	Г		SP
11					-						
12											
13					-						
14					-	Sandy Silt	; gray; wet; no odor				ML
15	B-10:15	10:46			-						
16						Termina	ation of borehole				
17										-	
18										-	
19					1					-	
20					1					-	
21					1					-	
22					1					1	
23	<u> </u>				1					-	
24					1					-	
25					1					-	
26					1					1	
27					1					1	
28	<u> </u>				1					-	
29					1					-	
30					1					-	
<u>Not</u> es	: Well Tag ID:			I	1					1	
	-										

					Project:	C	0611-01-03	B	oriı	ng ID:		B1′	1/MW2
E		Practical Env	ironmental C	Compliance Solutions	Location:	800 South	n 259th St Kent, WA	Pro	iect N	lumber:		061	11-01-03
	00111003	1			Client:	В	LT Trucking			Unified Soil (laccifi	cation	Sustam
Date	Start/Finish:		3/16	5/2021	Drilling	Method:	DPT	- P	GW GP	WELL-GRADED GR	AVEL, FI	NE TO C	OARSE GRAVEL
	ogged By:		C. Mo	Fadden	Auger	ID/OD:		VE SO	GM GC	SILTY GRAVEL	0101122		
Cł	necked By:		C. Mc	Fadden	Borehol	e ID/OD:	3 inches	OHESI	SW SP	WELL-GRADED SA	ND, FINE SAND	то соа	RSE SAND
C	ontractor:	Star	ndard Envi	ronmental Probe	Sam	pler:	Macrocore	NON-C	SM SC	SILTY SAND CLAYEY SAND			
Bari	Operator:		Ru	ISSEI	Hammer	Wt./Fall:		S.	ML CL	SILT CLAY			
Воп	ordinates:		366	емар	Water	Depth:	 P foot	E SOIL	OL MH	ORGANIC SILT, OR SILT OF HIGH PLAS	GANIC C STICITY, I	LAY ELASTIC	SILT
	Neather:	Cle	ar - 35 de	 arees Farenheit	Boring	Depth:	15 feet	HESIV	CH OH	CLAY OF HIGH PLA ORGANIC CLAY, OF	STICITY,	FAT CLA SILT	Υ
					Doring	Deptil	10 1001	8	PT	PEAT			_
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odo Sheen, Etc		Soil and	Rock Description			Unified Classificatior		NA/-II	Construction Detail
0						Asph	alt Surface 12"						Monument
1					Sandy	Silt with gra	avel; brown; damp; no	o odc	or				Bentonite
2													
3										ML			
4	B11:4	11:40	0.0										
5					Poo	rly-graded Sa	and; brown; damp; no o	dor					
6						, ,							
7													
, ,	D 11.0	11.20	0.0				Wet			<u>е</u> р		▋	
0	D-11.0	11.30	0.0				Wet			55			
9													
10													
11													
12						Silt; gra	y; moist; no odor						
13										ML			
14													
15	B-11:15	11:35	0.0										
16						Termina	ation of borehole						
17													
18													
19													
20													
21													
22													
23													
24													
25											<u> </u>		
26													
27													
20													
20													
29													
30							• • • • •						
Notes	<u>:</u> 0-5' minimun	n recovery	1st attemp	t. Silty Sand observe	a, 85% recove	ery (0-5') on	2nd attempt. Screen	5-15	o'; 0.0	10" Slot; San	d 3-1	o', Ber	ntonite 1-3'

					Project:	0	611-01-03	Bo	orii	ng ID:	B12
E	nvironmental Services	Practical Envi	ironmental C Offices In	Compliance Solutions	Location:	800 South	1 259th St Kent, WA	Proj	ect N	lumber:	0611-01-03
Data		1	2/40	2/2024	Client:	B			Uni	fied Soil Classi	fication System
Date			3/10	5/2021	Drilling	Method:	DPT	OILS	GW GP	WELL-GRADED GR	AVEL, FINE TO COARSE GRAVEL
Ct	bygeu by.		C. Mc	Fadden	Borehol		 3 inches	SIVE SO	GM GC	SILTY GRAVEL CLAYEY GRAVEL	
C C	ontractor:	Star	dard Envi	ronmental Probe	Sam	pler:	Macrocore	COHE	SW SP	WELL-GRADED SAM	ND, FINE TO COARSE SAND SAND
(Operator:		Ru	issell	Hammer	Wt./Fall:		NON	SM SC MI	CLAYEY SAND	
Bori	ng Location:		See	e Map	Ground I	Elevation:		OILS	CL	CLAY ORGANIC SILT. OR	GANIC CLAY
Co	ordinates:				Water	Depth:	8 feet	SIVE SO	МН СН	SILT OF HIGH PLAS	TICITY, ELASTIC SILT STICITY, FAT CLAY
1	Weather:	Cle	ar - 48 de	grees Farenheit	Boring	Depth:	15 feet	COHES	OH PT	ORGANIC CLAY, OF PEAT	RGANIC SILT
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc		Soil and	Rock Description			Unified Classification	
0						Asp	halt Surface				
1						P	ea Gravel				
2											
3											
4											
5											
6											
7											GW
8											
9											
10											
11											
12											
13											
14											
15	B-12:15		0.0			Sandy Silt	; gray; wet; no odor				ML
16						Termina	ation of borehole				
17											
18											
19										1	
20											
21											
22										1	
23										1	
24											
25											
26											
27											
28											
29											
30										1	
Notes	: Well Tag ID:	No recover	ry 0-5' 1st	I attempt. 10% recover	 y 0-5' 2nd att	empt, minin	num recovery.			1	
	_ 5				-		,				

					Project:	C	611-01-03	в	ori	na ID:	B13
		Practical Envi	ironmental C	Compliance Solutions	Location:	800 South	n 259th St Kent, WA	_			
E	Services		Offices In	: Anchorage Tacoma Portland	Client:	В	LT Trucking	<u>Pro</u>	ject l	Number:	0611-01-03
Date	Start/Finish:		3/16	6/2021	Drilling	Method:	DPT		Un GW	ified Soil Classi WELL-GRADED GR	fication System AVEL, FINE TO COARSE
L	ogged By:		C. Mo	Fadden	Auger	ID/OD:		SOILS	GP GM	POORLY-GRADED	GRAVEL
Cł	necked By:		C. Mo	Fadden	Boreho	e ID/OD:	3 inches	HESIVE	GC SW	CLAYEY GRAVEL WELL-GRADED SA	ND, FINE TO COARSE SAND
С	ontractor:	Star	ndard Envi	ronmental Probe	Sam	pler:	Macrocore	ON-CO	SP SM	POORLY-GRADED	SAND
(Operator:		Ru	Issell	Hammer	Wt./Fall:		2 0	ML CL	SILT CLAY	
Bori	ng Location:		See	е Мар	Ground	Elevation:		E SOIL	OL MH	ORGANIC SILT, OR SILT OF HIGH PLAS	GANIC CLAY TICITY, ELASTIC SILT
	Weather:		ar - 50 de	 grees Farenheit	Boring	Depth:	15 feet	HESIV	СН ОН	CLAY OF HIGH PLA ORGANIC CLAY, OF	STICITY, FAT CLAY RGANIC SILT
	weather.		ai - 50 ue		Bornig	Deptil.	10 1661	8	PT	PEAT	-
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odo Sheen, Etc		Soil and	Rock Description				Unified Classificatior
0						Asp	halt Surface				
1			0.0			No	recovery 0-5']	
2										1	
3										1	
4										1	
5					Silty	Sand with gr	avel; brown; damp; no o	odor			
6										1	
7										1	SM
8	B-13:8	13:12					Wet			-	
9						Peag	ıravel; grey; wet				
10										-	
11										-	
12										1	GW
13										1	
14										1	
15	B-13:15	13:18								1	
16			,			Termina	ation of borehole				
17										1	
18										1	
19										-	
20										-	
21										1	
22										1	
23										-	
24										-	
25										1	
26										1	
27										1	
28										1	
29										1	
30										1	
Notes	:: Well Tag ID:	50% recove	ery 5-10'	l						I	

					Project:	C	0611-01-03	В	ori	ng ID:	E	314	4/MW3
E		Practical Env	rironmental C	Compliance Solutions	Location:	800 South	n 259th St Kent, WA	Dre		Jumbor:		064	11 01 03
	Services		Unices in	Anctorage raconia Poniana	Client:	В	LT Trucking		Лест			00	11-01-03
Date	Start/Finish:		3/16	6/2021	Drilling	Method:	DPT	. v,	GW	WELL-GRADED GR	RAVEL, FI	NE TO C	System DARSE GRAVEL
L(ogged By:		C. Mo	Fadden	Auger	ID/OD:		/E SOII	GM	SILTY GRAVEL	GRAVEL		
Cł	necked By:		C. Mo	Fadden	Borehol	e ID/OD:	3 inches	OHESIV	SW	WELL-GRADED SA	ND, FINE	ТО СОА	RSE SAND
С	ontractor:	Star	ndard Envi	ronmental Probe	Sam	pler:	Macrocore	NON-CI	SM SC	SILTY SAND	OAND		
(Bori	Operator:		Ru	ISSEI	Hammer	Wt./Fall:		- 	ML CL	SILT CLAY			
Боп	ordinatos:		366	амар	Wator	Dopth:	 8 feet	E SOIL	OL MH	ORGANIC SILT, OR SILT OF HIGH PLAS	GANIC CI STICITY, E	AY LASTIC	SILT
	Weather:	Cle	ear - 50 de	 prees Farenheit	Boring	Depth:	20 feet	OHESIV	CH OH	CLAY OF HIGH PLA ORGANIC CLAY, OI	STICITY, RGANIC S	FAT CLA	Y
				<u> </u>	Doning	Dopan	201000	8	PT	PEAT			_
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odo Sheen, Etc		Soil and	Rock Description			Unified Classificatior		INAC	Construction Detail
0						Asp	ohalt Surface						Monument
1			0.0										Bentonite
2					fill; Silty s	and with gr	avel; dark brown; dar	np; {	50%				
3					 	3.	recovery	• • •					
4					1								Sand
5	B-14:5	13:53								1			
6					-								
7					-								
8					-	5-10)'; no recovery			SM			
0					-								
9					-								
10										-			
11					-								
12					10-1	5', minimun	n recovery; no native	soil					
13					-	er	ncountered						
14					4								
15													
16	B-14:16	14:02			4								
17						onucl in 15	20' aoro. Nativo at 1	בי כ	Sandy				
18						Si	It; grey; wet	J. 3	anuy	ML			
19					4								
20			↓										
21						Termina	ation of borehole						
22													
23													
24													
25													
26													
27													
28													
29													
30													
Notes	: Well Tag ID:	B-14:16 co	l llected 1' in	I nto native soil Screen	<u> </u>	.010" slot si	creen, bentonite 1-4'	bori	na col	l lapsed 15-20	ļ		
					, . 0.								

					Project:	C	0611-01-03	Bor	ina ID:	B	15	5/MW4
E		Practical Env	vironmental C	Anchorage Tacoma Portland	Location:	800 South	n 259th St Kent, WA	Proiec	t Number:		061	1-01-03
	361 VICE3				Client:	В	LT Trucking	,	Unified Soil (tion	Ruotom
Date	Start/Finish:		3/16	6/2021	Drilling	Method:	DPT	S GW	WELL-GRADED GF	RAVEL, FINE	TO CO	DARSE GRAVEL
L	ogged By:		C. Mo	Fadden	Auger	ID/OD:		S GN	SILTY GRAVEL	OIVIVEE		
Cł	necked By:		C. Mc	Fadden	Borehol	e ID/OD:	3 inches	SHO SF	WELL-GRADED SA	ND, FINE T	O COAI	RSE SAND
	ontractor:	Sta	ndard Envi		Sam	pier:	Macrocore	NON SN	SILTY SAND			
Bori	ng Location:			Man	Ground F	Invation:		. თ. CL	SILT CLAY			
Cc	ordinates:		000		Water	Depth:	8 feet	IO S M⊦	ORGANIC SILT, OR SILT OF HIGH PLAS	GANIC CLA	Y ASTIC :	SILT
1	Weather:	Cle	ear - 52 de	grees Farenheit	Boring	Depth:	15 feet	UESHO PHO PHO PHO PHO PHO PHO PHO PHO PHO P	ORGANIC CLAY, O	STICITY, FA	AT CLA .T	Ŷ
			_	jr,		•		O PI				F
Depth (ft bgs	Sample No.	Time	PID Reading	Remarks: Odd Sheen, Etc		Soil and	Rock Description		Unified Classificatio		IIOM	Construction Detail
0						Asp	ohalt Surface				1	Monument
1												Bentonite
2												
3												
4						<u> </u>						
5	B15:5		0.0			fill; Silt	y Sand; no odor					Sand
6					-				SM			
7					-							
8					-							
9									-			
10					-	Wet Incre	ased angular gravel					
11					-	,						
12												
12					-							
10					Native so	il observed; odor, 3"	; wet; Sandy Silt; grey wood chunk at 13'	; wet; no	ML		-	
14	D15-15		*		-						-	
10	B15.15		0.0			Termin	ation of borehole					
17						T CITIMA						
1/												
10												
19												
20												
21												
22												
20												
24												
20												
20												
2/												
28												
29									_			
30												
Notes	: Well Tag ID: 3	Screen 5-1	5' 1" 0.010	" Slot, Sand 4-15', Be	entonite 1-4'							

					Project:	C	611-01-03	в	ori	ng ID:	B16
Er		Practical Env	ironmental (Compliance Solutions	Location:	800 South	n 259th St Kent, WA	Pro	viect	Number:	0611-01-03
	Services		Onican		Client:	В	LT Trucking			nified Sell Cless	fination System
Date	Start/Finish:		3/1	6/2021	Drilling	Method:	DPT	LS.	GW	WELL-GRADED GR	AVEL, FINE TO COARSE
Lo	ogged By:		C. M	cFadden	Auger	ID/OD:		VE SOI	GM GC	SILTY GRAVEL CLAYEY GRAVEL	
Cr	necked By:	Stor	C. M	cFadden	Borehol	e ID/OD:	3 inches	COHESI	SW SP	WELL-GRADED SA	ND, FINE TO COARSE SAND
	Operator:	Stal		ussell	Hammer	Wt./Fall:		-NON	SM SC	SILTY SAND CLAYEY SAND	
Bori	ng Location:		Se	e Map	Ground	Elevation:		ILS	CL	SILT CLAY	
Co	ordinates:				Water	Depth:	8 feet	IVE SC	MH CH	SILT OF HIGH PLAS	TICITY, ELASTIC SILT
١	Weather:	Cle	ear - 52 de	grees Farenheit	Boring	Depth:	15 feet	COHES	OH PT	ORGANIC CLAY, OF PEAT	SGANIC SILT
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc		Soil and	Rock Description				Unified Classification
0							Asphalt				
1			0.0								
2											
3											
4										1	
5	B16:5	16:18								1	
6										1	SM
7										1	
8	B16:8	16:23					wet			1	
9										-	
10										-	
11						Sand	y Silt; wet gray				
12										-	
13						w	ood chucnk			-	ML
14										-	
15	B16:15	16:30	0.0							1	
16						Termina	ation of borehole				
17										-	
18										1	
19										1	
20										1	
21										1	
22										1	
23										1	
24										1	
25										1	
26										1	
27										1	
28										1	
29										1	
30										1	
Notes	: Well Tag ID:		1	1						1	

					Project:	C	0611-01-03	B	oring IF)·	B17
6	ECI	Practical Envi	ironmental C	Compliance Solutions	Location:	800 South	n 259th St Kent, WA			·.	
E	nvironmental Services		Offices In	: Anchorage Tacoma Portland	Client	В		- <u>Pro</u>	oject Number:		0611-01-03
Date	Start/Finish:		3/16	6/2021	Drilling	Method:	DPT		Unified	Soil Classificati	on System
L	ogged By:		C. Mo	Fadden	Auger	ID/OD:		SOILS	GP	WELL-GRADED GR POORLY-GRADED	AVEL, FINE TO COARSE GRAVEL
С	hecked By:		C. Mo	Fadden	Borehol	e ID/OD:	3 inches	E SIVE	GC	CLAYEY GRAVEL	ND FINE TO COARSE SAND
С	ontractor:	Stan	ndard Envi	ronmental Probe	Sam	pler:	Macrocore	N-COHE	SP	POORLY-GRADED SILTY SAND	SAND
	Operator:		Rı	issell	Hammer	Wt./Fall:		Ō	SC ML	CLAYEY SAND SILT	
Bori	ing Location:		See	е Мар	Ground I	Elevation:		SOILS	CL OL	CLAY ORGANIC SILT, OR	GANIC CLAY
Co	oordinates:				Water	Depth:	8 feet	ESIVE	CH CH	SILT OF HIGH PLAS	STICITY, ELASTIC SILT STICITY, FAT CLAY
	Weather:	Cle	ar - 55 de	grees Farenheit	Boring	Depth:	15 feet	COH	PT	PEAT	
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor Sheen, Etc		Soil a	and Rock Descriptio	on			Unified Classification
0							Asphalt Surface				
1											
2											
3											
4	B17:4	16:45									SM
5											
6											
7	B17:7.5	16:50					wet at 7.5'				
8											
9											
10											SP
11											
12							Sandy Silt				
13											
14											ML
15	B17:15	16:55									
16						Ter	mination of borehole				
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
Notes	<u>.</u> Well Taq ID:			I	1					1	
	5										

					Project:	(0611-01-03	R	ori			R	19	R/MW/5
6	ECI	Practical Env	ironmental C	Compliance Solutions	Location:	800 Sout	n 259th St Kent, WA	Ľ			L			
E	nvironmental Services		Offices In	: Anchorage Tacoma Portland	Client:	В		Pro	oject I	lumber:		(061	1-01-03
Date	Start/Finish:		3/16	6/2021	Drilling	Method:	DPT		0.11	Unified Soil C	lass	ificat	ion S	System
L	oaaed Bv:		C. Mo	Fadden	Auger	ID/OD:		SOILS	GW GP	WELL-GRADED GR	SAVEL GRAV	, FINE 1 'EL	тосс	DARSE GRAVEL
Cł	necked By:		C. Mo	Fadden	Borehol	e ID/OD:	3 inches	SIVE S	GC	SILTY GRAVEL CLAYEY GRAVEL				
с	ontractor:	Star	ndard Envi	ronmental Probe	Sam	pler:	Macrocore	-COHE	SP	POORLY-GRADED	ND, FI SAND	INE TO	COA	RSE SAND
(Operator:		Ru	issell	Hammer	· Wt./Fall:		NON	SIM SC ML	CLAYEY SAND				
Bori	ng Location:		See	e Map	Ground I	Elevation:		OILS .	CL	CLAY ORGANIC SILT. OR	GANI			
Co	ordinates:				Water	Depth:	8 feet	SIVE SO	MH CH	SILT OF HIGH PLAS	STICIT	Y, ELAS	STIC S	SILT Y
1	Weather:	Cle	ear - 35 de	grees Farenheit	Boring	Depth:	15 feet	COHES	OH PT	ORGANIC CLAY, OI PEAT	RGAN	IC SILT		
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc		Soil and	Rock Description			Unified Classification			Mall	Construction Detail
0						Asp	ohalt Surface							Monument
1						Sandy Silt;	grey; damp; no odor			ML				Bentonite
2														
3	B18:3	17:35	0.0											
4														
5														Sand
6														
7														
, ,	D10.0	17.40			Wet:	poorly-grade	d Sand: wet: brown: no	odo	r	<u>ep</u>				
°	D10.0	17.40			vvei,	poony-grade		ouo		5P				
9														
10														
11														
12														
13						Sandy Silt	; grey; wet; no odor			ML				
14														
15	B18:15	17:50												
16											L			
17											L			
18											L			
19														
20														
21														
22											Γ			
23											Γ			
24											Γ			
25											ſ			
26											┢			
27											┢			
28					+						⊢			
29											┢			
20											┢			
Notes		Soroca E 1	5' 1" 0 04C)" Clot Cond 4 45' D										
INDICES	<u>.</u> wei ragiD:	SCIEELI D-1	5 1 0.010	5 SIOL, SATIU 4-15, B6	smonite 1-4									

REGIONAL DISPOSAL INTERMODAL	SITE01 TICKET # 93956	7 VCELL
3rd and lander -Seattle, WA	WEIGHMASTER IN - D	rında L. OUT - Kim L.
CUSTOMER 333410	DATE/TIME IN7/18/16 8:	43 am DATE/TWE 89/16 8:55 am
BLT Transport LLC 11910 SE 277th St.	VEHICLE COBUN	CONTAINER
Kent, WA 98030	REFERENCE	
	BILL OF LADING	
• SCALE IN GROSS WEIGHT 101,640 NET TONS	32.44	INBOUND
SCALE OUT TARE WEIGHT 36,760 NET WEIGHT	64,880	INVOICE

QTY.	UNIT	<u><u><u></u></u></u>	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY		•			
32.41	tn	SW-CONT SOIL W/FUEL	Origin:KENT/KING 1008				
			It's die Right Thing!				NET AMOUN
The	undersig	gned individual signing this documen	t on behalf of Customer acknowledges that he or she has re	and understands the	terms and conditions	n F	CHANGE
-F042UP	R (07/12	2)	SIGNATURE	mell Sa	inul		CHECK#

REGIO	DNAL D	ISPOSAL INTERMODAL -		SITE ₀₁ TICK	ET# 939	580 SELL		
3rd a	ind la	nder -Seattle, WA		WEIGHMASTE	R IN -	Drinda L. O	UT - Kim L.	
ISTOMER 3	33410	A	4		7/18/16 1	0:32 am DATE/	1971897 16 10):43 am
1	1910 s	SE 277th St.		VEHICLE	COBUN	CONT	AINER	
K	ent, N	WA 98030		REFERENCE				
COLLE	actin	-1010I		BILL OF LADIN	IG			
	SCA	LE IN GROSS WEIGHT	91,600 NET TONS	27.30			INBOUND	1.12
	SCAL	E OUT TARE WEIGHT	37,000 NET WEIGHT 5	4,600			INVOICE	
QTY.	UNIT		DESCRIPTION		RATE	EXTENSION	TAX	TOTA
27.30	YD tn	Tracking QTY SW-CONT SOIL W/FUEL	Origin:KENT/KING 1008	20				
			It's the Right	Thing!				
The	undersig	ned individual signing this docume	ent on behalf of Customer acknowledges that	he or she has read and) understands the	terms and conditions	F	NET AMO TENDER CHANC

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 TICK WEIGHMASTER DATE/TIME IN VEHICLE REFERENCE BILL OF LADIN	SITE O1 TCKET # 939595 CELL WEIGHMASTER IN - Drinda L. OUT - Ki DATE/TIME IN 7/18/16 12:56 pm DATE/TIME OUT 7/18/16 12:56 pm 7/18/10 VEHICLE COBUN CONTAINER REFERENCE BILL OF LADING			
* SCA	ALE IN GROSS WEIGHT LE OUT TARE WEIGHT	92,640 NET TONS 36,880 NET WEIGHT	27.88	Velan - Mil		INBOUN INVOIC	D E
QTY. UNIT		DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
27.83 tn	SW-CONT SOIL W/FUEL	Origin:KENT/KING 1008	CHOOST The ing!				
The undersion on the rever	gned individual signing this docum se side and that he or she has the a	ant on behalf of Customer acknowledges that authority to sign this document on behalf of th	he or she use read and e customer	understands the	terms and condition	18	NET AMOUNT TENDERED CHANGE CHECK#
SITE REGIONAL DISPOSAL INTERMODAL -				SITE ₀₁	TICKET #	939471	CELL
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3rd and lander -Seattle, WA			J	WEIGHM	ASTER	IN - Kim L.	OUT - JAMIE B.
CUSTOMER 333410				DATE/TI	ME IN7/13/	16 0:56 am	DATE/TIME 007 13/16 9:12 am
11910 SE 277th St.			1	VEHICLE	1 CO	BUN	CONTAINER
Kent, WA 98030				REFERE	NCE		
CONFLACT: FM-10101				BILL OF	LADING		
SCALE IN GROSS WEIGHT	95,560	NET TONS	29.0	9			INBOUND
SCALE OUT TARE WEIGHT	37,380	NET WEIGHT	58,18	0			INVOICE

QTY. UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00 Y 29.09 t	D Tracking QTY n SW-CONT SOIL W/FUEL	Origin:KENT/KING 100%			1 1 1	
		SAFETY	-			
		it's the Right Thing!				NET AMOUN

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

CHECK#

CHANGE

E REGIONAL 1 3rd and 1 STOMER 333410 BLT Tr 11910 Kent, Contract:	DISPOSAL INTERMODAL - ander -Seattle, WA cansport LLC SE 277th St. WA 98030 LW-16161		WEIGHMASTER DATE/TIME IN7/ VEHICLE 1 REFERENCE BILL OF LADING	9394 IN - 13/16 12 COBUN	79 C	UT - JAMIE B. ATE/THE 13/16	12:52 pm
SCI SCAJ	ALE IN GROSS WEIGHT LE OUT TARE WEIGHT	97,660 NET TONS 30 37,120 NET WEIGHT 60,).27 540			INBOUND INVOICE	
OTY. UNIT	man al la comu	DESCRIPTION		RATE	EXTENSIO	N TAX	TOTAL
		ts the Right i	Phing!				
The undersion the reve	Igned individual signing this docum	ent on behalf of Customer acknowledges that he uthority to sign this document on behalf of the g	or she has read and us	nderstands the	lerms and cond	illops	NET AMOUN

333410 BLT Transport LLC 11910 SE 277th St. Kent, WA 98030 Contract:LW-16161		DATE/TIME IN 7/13/16 1 VEHICLE REFERENCE BILL OF LADING		ие бот	1:08 am-
SCALE IN GROSS WE SCALE OUT TARE WE	TGHT 93,860 NET TONS IGHT 37,060 NET WEIGHT	28.40 56,800	II II	IBOUND	
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	SAFE It's the Right	Barbarbarbarbarbarbarbarbarbarbarbarbarba			
				F	NET AMOUN

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

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TO:

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



INVOICE NO. PAGE JUI-15-16 DATE 333410 CUSTOMER NO. SITE NO. REFERENCE NO.

RVICE DATE	TCDE	ntal Ave. S., Kent	DESCRIPTION		REFERENCE	QTY.	AMOUNT
10 101	MI	Vehicle:	1 COBUN	¢45.00	01 020471	20 00 TN	±1 300 0F
12 - Jui	VII	SW-CONT SOIL M	V/FUEL	\$45.00	01-9394/1	29.09 114	\$1,309.05
		Vehicle:	1 COBUN				
13 - Jul	VH	SW-CONT SOIL W	V/FUEL	\$45.00	01-939476	28.40 TN	\$1,278.00
		Vehicle:	1 COBUN				
13 - Jul	VH	SW-CONT SOIL W	V/FUEL	\$45.00	01-939479	30.27 TN	\$1,362.15
				Material Summary			
	VH	SW-CONT SOIL V	N/FUEL	<u>Platenai Sammary</u>		87.76 TN	
		Payment due upon receipt over 30 days from date of in	of his invoice. 1.5% per mo	onth (18% per annum) late charge on t	balances		
Account S	tatus	Payment due upon receipt o over 30 days from date of in Payments received after Inv	of his invoice. 1.5% per mo nvoice. voice date are not raflected	onth (18% per annum) late charge on t	balances	AL	\$3 040 20
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REGIONAL DISPOSAL COMPANY INTERMODA PO BOX 677839 DALLAS, TX 75267-7839 (206) 332-7731

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TO: -

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

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

HAT DATE					· · · · · ·		
ICE DATE	10 CODE	al Ave. S., Kent	DESCRIPTION		REFERENCE	ΩΤΥ.	AMOUNT
		Vehicle: COE	BUN				
18 - Jul	VH	SW-CONT SOIL W/FL	IEL	\$45.00	01-939567	32.44 TN	\$1,459.80
0 1.4	101	Vehicle: COI	BUN	A.E. 00	04 000500		
18 - Jui	VH	SW-CONT SULL W/FL	IEL	\$45.00	01-939580	27.30 IN	\$1,228.50
		Vehicle: COI	BUN				
l8 - Jul	VH	SW-CONT SOIL W/FL	IEL	\$45.00	01-939595	27.88 TN	\$1,254.60
			Material	Summarv			
	VH	SW-CONT SOIL W/FI	JEL			87.62 TN	
		Payment due upon receipt of this over 30 days from date of invoice	Invoice. 1.5% per month (18% per r	unum) late charge on b	alances		
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ount S	tatus	Payment due upon receipt of this over 30 days from date of invoice Payments received after invoice, To ensure proper credit, please in portion of this invoice, When mal numbers and the amounts of pay	Invoice. 1.5% per month (18% per a late are not reflected. clude your account number on your ding payment on multiple accounts, ment.	nnum) late charge on ba check and include the b please include the accou	atances TOTA ottom Int	L INVOICE	\$3,942.90
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We reserve the right to suspend service without notice on any past due account.

Please remit to:

INVOICE NO. PAGE	0000049872 1 Jul-31-16	REGIONAL DISPOSAL COMPANY INTE PO BOX 677839 DALLAS, TX 75267-7839	AMOUNT OF	
	333410	(206) 332-7731	REMITIANCE	
SITE NO	000 120			
STELLES.			DI FACE DETUDU TUDO DODTION MI	
REFERENCE NO.			PLEASE RETURN THIS PORTION WIT	H REMITTANCE
REMARKS	*** Please referen	ce your invoice number on each check stub ***		
	For Billing Inquirie chartje@republicse	s: Call (206)332-7731 or email: ervices.com		

Appendix D: Project Analytical Results

Laboratory Analytical Report Chain of Custody

Providing Practical Environmental Compliance Solutions Offices In: Anchorage | Tacoma | Portland





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,

z I Um

Sherry L. Chilcutt Senior Chemist Libby Environmental, Inc.

Libby Environmen	tal, In	IC.		CI	naiı	n o	fC	ust	od	y F	Rec	or	d						www.L	.ibbyEnv	ironmental.com
3322 South Bay Road NE	Ph:	360-352-2	110					2	RA	00	,					-					1
Olympia, WA 98506	Fax:	360-352-4	154				Date	e:)	150	12	-	-	1		<u> </u>	Pa	ge:			10	
Client: CL							Proj	ect N	lanag	ger:	(ha	rles	1	nctad	den					
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City: Tacona	Sector States	State: 🗸	A Zip:				Loca	ation:	K	Ser	+					City	y, Sta	ite:	Wa		
Phone: 253-318-386	4	Fax:					Coll	ector	: 5	SRB	+ (CZ	L			Dat	te of	Colle	ction:	5/30	1 II
Client Project # 0611-01-0	20-50					_	Ema	ail:													
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i territorio a pji			50007 11110	1.004.04.41.									Sampl	e Ter	np.		°C	ev	Lead	culs.	Poly bottle
Relinquished by:			Date / Time	Received by:						E	Date /	Time	Total I	Numb	er of			fa	as fil	terd.	Bottle marthed
LEGAL ACTION CLAUSE: In the event of default of payn	nent and/or failur	e to pay, Client a	grees to pay the cost	ts of collection including of	court cos	ts and rea	asonable	attornev	fees to t	be deter	mined by	a court	of law.	ntaine	rs			TA	T: 24 Distributio	HR 4	8HR 5-DAY

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

Sample Description		Method	MW5	MW1	MW4	MW3	MW2
		Blank					
Date Sampled		N/A	3/30/2021	3/30/2021	3/30/2021	3/30/2021	3/30/2021
Date Analyzed	PQL	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021
	(µg/L)	$(\mu g/L)$	(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		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 deter	cted at listed	detection lin	nit.				

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Melissa Harrington

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

Matrix Spike Sample Identification: L210331-3												
	Date Analyzed: 4/2/2021											
	Spiked	MS	MSD	MS	MSD	RPD	Limits	Data				
	Conc.	Response	Response	Recovery	Recovery		Recovery	Flag				
	(µg/L)	(µg/L)	(µg/L)	(%)	(%)	(%)	(%)					
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					

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

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Melissa Harrington

Date Analyzed	l: 4/2/2021				
	Spiked	LCS	LCS	LCS	Data
	Conc.	Response	Recovery	Recovery	Flag
	(µg/L)	(µg/L)	(%)	Limits (%)	
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	

Laboratory Control Sample

ANALYSES PERFORMED BY: Melissa Harrington

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

Sample	Date	Surrogate	Diesel	Oil
Number	Analyzed	Recovery (%)	$(\mu g/L)$	$(\mu g/L)$
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 th	e listed dete	ection limits.		

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

"int" Indicates that interference prevents determination.

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

ANALYSES PERFORMED BY: Jenny Anderson

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

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
	$(\mu g/L)$	(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 de	tected at li	isted detectio	n limit.				
"int" Indicates that in	iterference	prevents det	ermination.				

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

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

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

Sample Description	PQL	MW3	MW2	
1 1				
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 der	tected at 1	isted detectio	n limit.	
"int" Indicates that in	terference	e prevents det	ermination.	
ACCEPTABLE RECOV	ERY LIMI	TS FOR SURRO	DGATE 65% T	O 135%
ACCEPTABLE RECOV	ERY LIMI'	TS FOR MATE	XIX SPIKES: 7	5%-125%
ACCEPTABLE RPD IS 2	20%			

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

ANALYSES PERFORMED BY: Paul Burke

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

Sample	Date	Lead	Cadmium	Chromium	Arsenic
Number	Analyzed	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	(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
Drastical Opportitation Lie	:4	5.0	0.5	5.0	2.0
Practical Quantitation Li		5.0	0.5	5.0	5.0

Analyses of Total Metals in Water by EPA Method 7010 Series

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	Date	Lead	Cadmium	Chromium	Arsenic
Number	Analyzed	(% Recovery)	(% Recovery)	(% Recovery)	(% 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

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	Date	Arsenic				
Sample	Date	Aischie				
Number	Analyzed	$(\mu g/L)$				
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

BLT TRUCKING PROJECT ECI Libby Project # L210331-3 Date Received 3/31/21 11:28 3322 South Bay Road NE Olympia, WA 98506 Phone: (360) 352-2110 FAX: (360) 352-4154 Email: libbyenv@gmail.com

Received By KD

Sample Receipt Checklist

Chain of Custody					
1. Is the Chain of Custody complete?	\checkmark	Yes	🗌 No		
2. How was the sample delivered?		Hand Delivered	☑ Picked Up		Shipped
Log In					
3. Cooler or Shipping Container is present.	\checkmark	Yes	🗌 No		🗌 N/A
4. Cooler or Shipping Container is in good condition.	\checkmark	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?	\checkmark	Yes	🗌 No		□ N/A
7. Temperature of cooler (0°C to 8°C recommended)		2.5	°C		
8. Temperature of sample(s) (0°C to 8°C recommended)		4.4	°C		
9. Did all containers arrive in good condition (unbroken)?	\checkmark	Yes	🗌 No		
10. Is it clear what analyses were requested?	\checkmark	Yes	🗌 No		
11. Did container labels match Chain of Custody?	\checkmark	Yes	🗌 No		
12. Are matrices correctly identified on Chain of Custody?	\checkmark	Yes	🗌 No		
13. Are correct containers used for the analysis indicated?	\checkmark	Yes	🗌 No		
14. Is there sufficient sample volume for indicated analysis?	\checkmark	Yes	🗌 No		
15. Were all containers properly preserved per each analysis?	\checkmark	Yes	🗌 No		
16. Were VOA vials collected correctly (no headspace)?	\checkmark	Yes	🗌 No		□ N/A
17. Were all holding times able to be met?	\checkmark	Yes	🗌 No		
Discrepancies/ Notes					
18. Was client notified of all discrepancies?		Yes	🗌 No		☑ N/A
Person Notified:				Date:	
By Whom:				Via:	
Regarding:					
19. Comments.					



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



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



Case Narrative

WO#: **2104008** Date: **4/12/2021**

CLIENT:Libby EnvironmentalProject: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 & Acronyms



 WO#:
 2104008

 Date Reported:
 4/12/2021

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 Recoverv **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



Client: Libby Environmental	Collection Date: 3/30/2021 10:01:00 AM					
Project: BLT Trucking						
Lab ID: 2104008-001			I	Matrix: W	/ater	
Client Sample ID: MW 5						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	PA Method 8	270 (SIM)		Batc	h ID: 31	1939 Analyst: SB
Benz(a)anthracene	ND	0.134	н	µg/L	1	4/12/2021 2:22:00 PM
Chrysene	ND	0.134	Н	µg/L	1	4/12/2021 2:22:00 PM
Benzo(b)fluoranthene	ND	0.134	Н	µg/L	1	4/12/2021 2:22:00 PM
Benzo(k)fluoranthene	ND	0.134	Н	µg/L	1	4/12/2021 2:22:00 PM
Benzo(a)pyrene	ND	0.134	Н	µg/L	1	4/12/2021 2:22:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.134	Н	µg/L	1	4/12/2021 2:22:00 PM
Dibenz(a,h)anthracene	ND	0.134	н	µg/L	1	4/12/2021 2:22:00 PM
Surr: 2-Fluorobiphenyl	80.6	47.6 - 142	н	%Rec	1	4/12/2021 2:22:00 PM
Surr: Terphenyl-d14	96.9	15.9 - 137	Н	%Rec	1	4/12/2021 2:22:00 PM
Mercury by EPA Method 245.1				Batc	h ID: 31	1914 Analyst: LB
Mercury	ND	0.100		µg/L	1	4/8/2021 12:24:52 PM



Client: Libby Environmental	Collection Date: 3/30/2021 10:52:00 AM					
Project: BLT Trucking						
Lab ID: 2104008-002			I	Matrix: W	/ater	
Client Sample ID: MW 1						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by El	PA Method 8	270 (SIM)		Batc	h ID: 3′	1898 Analyst: IH
Benz(a)anthracene	ND	0.102	н	µg/L	1	4/8/2021 3:18:03 PM
Chrysene	ND	0.102	Н	µg/L	1	4/8/2021 3:18:03 PM
Benzo(b)fluoranthene	ND	0.102	Н	µg/L	1	4/8/2021 3:18:03 PM
Benzo(k)fluoranthene	ND	0.102	н	µg/L	1	4/8/2021 3:18:03 PM
Benzo(a)pyrene	ND	0.102	Н	µg/L	1	4/8/2021 3:18:03 PM
Indeno(1,2,3-cd)pyrene	ND	0.102	н	µg/L	1	4/8/2021 3:18:03 PM
Dibenz(a,h)anthracene	ND	0.102	н	µg/L	1	4/8/2021 3:18:03 PM
Surr: 2-Fluorobiphenyl	74.4	47.6 - 142	н	%Rec	1	4/8/2021 3:18:03 PM
Surr: Terphenyl-d14	86.0	15.9 - 137	Н	%Rec	1	4/8/2021 3:18:03 PM
Mercury by EPA Method 245.1				Batc	h ID: 3′	1914 Analyst: LB
Mercury	ND	0.100		µg/L	1	4/8/2021 12:29:57 PM



Client: Libby Environmental	Collection Date: 3/30/2021 11:50:00 AM					
Project: BLT Trucking						
Lab ID: 2104008-003			I	Matrix: W	/ater	
Client Sample ID: MW 4						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	PA Method 8	270 (SIM)		Batc	h ID: 31	898 Analyst: IH
Benz(a)anthracene	ND	0.103	Н	µg/L	1	4/8/2021 3:39:24 PM
Chrysene	ND	0.103	Н	µg/L	1	4/8/2021 3:39:24 PM
Benzo(b)fluoranthene	ND	0.103	Н	µg/L	1	4/8/2021 3:39:24 PM
Benzo(k)fluoranthene	ND	0.103	Н	µg/L	1	4/8/2021 3:39:24 PM
Benzo(a)pyrene	ND	0.103	Н	µg/L	1	4/8/2021 3:39:24 PM
Indeno(1,2,3-cd)pyrene	ND	0.103	Н	µg/L	1	4/8/2021 3:39:24 PM
Dibenz(a,h)anthracene	ND	0.103	Н	µg/L	1	4/8/2021 3:39:24 PM
Surr: 2-Fluorobiphenyl	77.2	47.6 - 142	н	%Rec	1	4/8/2021 3:39:24 PM
Surr: Terphenyl-d14	81.3	15.9 - 137	Н	%Rec	1	4/8/2021 3:39:24 PM
Mercury by EPA Method 245.1				Batc	h ID: 31	914 Analyst: LB
Mercury	ND	0.100		µg/L	1	4/8/2021 12:31:39 PM



Client: Libby Environmental	Collection Date: 3/30/2021 12:46:00 PM					
Project: BLT Trucking						
Lab ID: 2104008-004			I	Matrix: W	/ater	
Client Sample ID: MW 3						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EF	PA Method 8	270 (SIM)		Batc	h ID: 31	1898 Analyst: IH
Benz(a)anthracene	ND	0.102	н	µg/L	1	4/8/2021 4:00:44 PM
Chrysene	ND	0.102	Н	µg/L	1	4/8/2021 4:00:44 PM
Benzo(b)fluoranthene	ND	0.102	Н	µg/L	1	4/8/2021 4:00:44 PM
Benzo(k)fluoranthene	ND	0.102	Н	µg/L	1	4/8/2021 4:00:44 PM
Benzo(a)pyrene	ND	0.102	Н	µg/L	1	4/8/2021 4:00:44 PM
Indeno(1,2,3-cd)pyrene	ND	0.102	Н	µg/L	1	4/8/2021 4:00:44 PM
Dibenz(a,h)anthracene	ND	0.102	н	µg/L	1	4/8/2021 4:00:44 PM
Surr: 2-Fluorobiphenyl	74.4	47.6 - 142	н	%Rec	1	4/8/2021 4:00:44 PM
Surr: Terphenyl-d14	77.2	15.9 - 137	Н	%Rec	1	4/8/2021 4:00:44 PM
Mercury by EPA Method 245.1				Batc	h ID: 31	1914 Analyst: LB
Mercury	ND	0.100		µg/L	1	4/8/2021 12:33:22 PM



Client: Libby Environr	mental			Collectio	n Date	e: 3/30/2021 1:23:00 PM
Project: BLT Trucking						
Lab ID: 2104008-005				Matrix: V	Vater	
Client Sample ID: MW	2					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydroca	arbons by EPA Method	<u>8270 (SIM)</u>		Bato	ch ID: (31898 Analyst: IH
Benz(a)anthracene	ND	0.103	Н	µg/L	1	4/8/2021 4:22:10 PM
Chrysene	ND	0.103	Н	µg/L	1	4/8/2021 4:22:10 PM
Benzo(b)fluoranthene	ND	0.103	н	µg/L	1	4/8/2021 4:22:10 PM
Benzo(k)fluoranthene	ND	0.103	н	µg/L	1	4/8/2021 4:22:10 PM
Benzo(a)pyrene	ND	0.103	Н	µg/L	1	4/8/2021 4:22:10 PM
Indeno(1,2,3-cd)pyrene	ND	0.103	Н	µg/L	1	4/8/2021 4:22:10 PM
Dibenz(a,h)anthracene	ND	0.103	Н	µg/L	1	4/8/2021 4:22:10 PM
Surr: 2-Fluorobiphenyl	81.0	47.6 - 142	Н	%Rec	1	4/8/2021 4:22:10 PM
Surr: Terphenyl-d14	84.4	15.9 - 137	Н	%Rec	1	4/8/2021 4:22:10 PM
Mercury by EPA Meth	<u>od 245.1</u>			Bato	h ID: 🔅	31914 Analyst: LB
Mercury	ND	0.100		µg/L	1	4/8/2021 12:35:04 PM



Work Order:	2104008					QC SUMMARY	REPORT
CLIENT:	Libby Enviro	nmental				Management has EDA N	
Project:	BLT Trucking	g				Mercury by EPA	vietnoa 245.1
Sample ID: MB-31	914	SampType: MBLK			Units: µg/L	Prep Date: 4/8/2021 RunNo: 66421	
Client ID: MBLK	W	Batch ID: 31914				Analysis Date: 4/8/2021 SeqNo: 13363	 €4
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RI	PDLimit Qual
Mercury		ND	0.100				
Sample ID: LCS-3	1914	SampType: LCS			Units: µg/L	Prep Date: 4/8/2021 RunNo: 66421	
Client ID: LCSW	1	Batch ID: 31914				Analysis Date: 4/8/2021 SeqNo: 133639	95
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RI	PDLimit Qual
Mercury		2.13	0.100	2.500	0	85.2 85 115	
Sample ID: 21040	16-001ADUP	SampType: DUP			Units: µg/L	Prep Date: 4/8/2021 RunNo: 66421	
Client ID: BATC	н	Batch ID: 31914				Analysis Date: 4/8/2021 SeqNo: 133639	9 7
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RI	PDLimit Qual
Mercury		ND	1.00			0	20
Sample ID: 21040	16-001AMS	SampType: MS			Units: µg/L	Prep Date: 4/8/2021 RunNo: 66421	
Client ID: BATC	н	Batch ID: 31914				Analysis Date: 4/8/2021 SeqNo: 133639	98
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RI	PDLimit Qual
Mercury		21.5	1.00	25.00	0	86.0 70 130	
Sample ID: 21040	16-001AMSD	SampType: MSD			Units: µg/L	Prep Date: 4/8/2021 RunNo: 66421	
Client ID: BATC	н	Batch ID: 31914				Analysis Date: 4/8/2021 SeqNo: 133639) 9
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RI	PDLimit Qual
Mercury		22.8	1.00	25.00	0	91.2 70 130 21.50 5.87	20



	nont							Date: 4/12/2021	
	nalytical								
Work Order: 2104008							QC	SUMMARY REF	ORT
CLIENT: Libby En	vironmental				Po	lvaromat	ie Uvdrocarbone I	ov EBA Mothod 927	
Project: BLT Truc	cking				FU	nyaromai			
Sample ID: MB-31898	SampType: MBLK			Units: µg/L		Prep Dat	te: 4/7/2021	RunNo: 66433	
Client ID: MBLKW	Batch ID: 31898					Analysis Dat	te: 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 Dat	te: 4/7/2021	RunNo: 66433	
Client ID: LCSW	Batch ID: 31898					Analysis Dat	te: 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		

Client ID: MBLKW	Batch ID: 318	98				Analysis Da	te: 4/8/202	21	SeqNo: 133	86520	
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 Da	te: 4/7/202	21	RunNo: 664	133	
Client ID: LCSW	Batch ID: 318	98				Analysis Da	te: 4/8/202	21	SeqNo: 133	86521	
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: LCSD-31898	SampType: LCS	D		Units: µg/L		Prep Da	te: 4/7/202	21	RunNo: 664	133	
Client ID: LCSW02	Batch ID: 318	98				Analysis Da	te: 4/8/202	21	SeqNo: 133	86522	
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	



Work Order:	2104008									00.5			PORT
CLIENT:	Libby Envir	onmental											
Project:	BLT Trucki	ng					Po	lyaromati	c Hydro	carbons b	y EPA Met	thod 827(0 (SIM)
Sample ID: LCSD	-31898	SampType	LCSD			Units: µg/L		Prep Date	: 4/7/202 ⁻	1	RunNo: 664	433	
Client ID: LCSW	/02	Batch ID:	31898					Analysis Date	4/8/202 ⁴	1	SeqNo: 13:	36522	
Analyte		F	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	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)fluoranthe	ene		3.51	0.0994	3.978	0	88.2	26.7	120	2.915	18.4	30	
Benzo(k)fluoranthe	ene		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)py	/rene		3.11	0.0994	3.978	0	78.1	14.6	106	2.846	8.78	30	
Dibenz(a,h)anthrac	cene		3.17	0.0994	3.978	0	79.6	12.5	106	2.892	9.01	30	
Surr: 2-Fluorobi	phenyl		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: 21030	65-006IMS	SampType	MS			Units: µg/L		Prep Date	: 4/7/202 [,]	1	RunNo: 664	433	
Client ID: BATC	н	Batch ID:	31898					Analysis Date	: 4/8/202 [,]	1	SeqNo: 13:	37277	
Analyte		F	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	9		2.95	0.0992	3.969	0	74.2	28.5	109				н
Chrysene			2.89	0.0992	3.969	0	72.8	25.8	96.9				н
Benzo(b)fluoranthe	ene		3.02	0.0992	3.969	0	76.2	10.3	99.5				н
Benzo(k)fluoranthe	ene		3.15	0.0992	3.969	0	79.3	6.1	98.9				н
Benzo(a)pyrene			3.44	0.0992	3.969	0	86.6	6.94	99.7				н
Indeno(1,2,3-cd)py	/rene		2.71	0.0992	3.969	0	68.3	2.48	78.2				н
Dibenz(a,h)anthrac	cene		2.75	0.0992	3.969	0	69.2	5	75				н
Surr: 2-Fluorobi	phenyl		1.59		1.984		80.2	47.6	142				н
Surr: Terphenyl-	-d14		1.61		1.984		81.0	15.9	137				Н
Sample ID: MB-31	1939	SampType	MBLK			Units: µg/L		Prep Date	: 4/9/202 [,]	1	RunNo: 664	497	
Client ID: MBLK	W	Batch ID:	31939					Analysis Date	: 4/12/202	21	SeqNo: 13;	37947	
Analyte		F	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	e		ND	0.0991									
Chrvsene			ND	0.0991									

Fremont
Analytical

Work Order:	2104008									009			ORT
CLIENT:	Libby Enviror	nmental					_	_					
Project:	BLT Trucking	9					Po	olyaromat	ic Hydro	ocarbons b	y EPA Me	thod 827	0 (SIM)
Sample ID: MB-31	939	SampType:	MBLK			Units: µg/L		Prep Dat	e: 4/9/202	21	RunNo: 664	497	
Client ID: MBLK	w	Batch ID:	31939					Analysis Dat	te: 4/12/20)21	SeqNo: 13:	37947	
Analyte		F	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthe	ene		ND	0.0991									
Benzo(k)fluoranthe	ene		ND	0.0991									
Benzo(a)pyrene			ND	0.0991									
Indeno(1,2,3-cd)py	rene		ND	0.0991									
Dibenz(a,h)anthrac	cene		ND	0.0991									
Surr: 2-Fluorobip	ohenyl		1.77		1.981		89.5	47.6	142				
Surr: Terphenyl-	d14		2.45		1.981		124	15.9	137				
Sample ID: LCS-3	1939	SampType:	LCS			Units: µg/L		Prep Dat	e: 4/9/202	21	RunNo: 664	497	
Client ID: LCSW		Batch ID:	31939					Analysis Dat	te: 4/12/20	021	SeqNo: 13	37948	
Analyte		F	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)fluoranthe	ene		3.91	0.0992	3.969	0	98.6	26.7	120				
Benzo(k)fluoranthe	ene		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)py	rene		3.63	0.0992	3.969	0	91.5	14.6	106				
Dibenz(a,h)anthrac	cene		3.68	0.0992	3.969	0	92.8	12.5	106				
Surr: 2-Fluorobip	ohenyl		1.56		1.984		78.5	47.6	142				
Surr: Terphenyl-	d14		1.97		1.984		99.2	15.9	137				
Sample ID: LCSD-	-31939	SampType:	LCSD			Units: µg/L		Prep Dat	e: 4/9/202	21	RunNo: 664	497	
Client ID: LCSW	02	Batch ID:	31939			. •		Analysis Dat	ie: 4/12/20	021	SeqNo: 13	37949	
Analyte		F	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	9		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)fluoranthe	ene		3.70	0.0994	3.976	0	93.0	26.7	120	3.911	5.59	30	

	AII	шушси											
Work Order:	2104008									QCS	SUMMAI	RY REF	PORT
CLIENT:	Libby Enviro	onmental					De		tio I brain.				
Project:	BLT Truckin	ng					P0	iyaroma	tic Hydro	ocarbons b	y EPA ivie	inoa 8270	U (SINI)
Sample ID: LCSD	-31939	SampType	e: LCSD			Units: µg/L		Prep Da	te: 4/9/202	21	RunNo: 664	497	
Client ID: LCSW	/02	Batch ID:	31939					Analysis Da	ite: 4/12/20	21	SeqNo: 133	37949	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthe	ene		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)py	/rene		3.79	0.0994	3.976	0	95.4	14.6	106	3.630	4.44	30	
Dibenz(a,h)anthrac	cene		3.90	0.0994	3.976	0	98.0	12.5	106	3.681	5.71	30	
Surr: 2-Fluorobi	phenyl		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: 21041	29-001BMS	SampType	e: MS			Units: µg/L		Prep Da	te: 4/9/202	!1	RunNo: 664	497	
Client ID: BATC	н	Batch ID:	31939					Analysis Da	te: 4/12/20	21	SeqNo: 133	37953	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	Э		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)fluoranthe	ene		3.48	0.0990	3.961	0	87.8	10.3	99.5				
Benzo(k)fluoranthe	ene		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)py	/rene		3.19	0.0990	3.961	0	80.5	2.48	78.2				S
Dibenz(a,h)anthrac	cene		3.26	0.0990	3.961	0	82.2	5	75				S
Surr: 2-Fluorobi	phenyl		1.06		1.980		53.6	47.6	142				
Surr: Terphenyl-	-d14		1.76		1.980		88.9	15.9	137				

NOTES:

Fremont

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



Sample Log-In Check List

		LIBBI	Work Order Numb	per: 2104008	
Lo	gged by:	Gabrielle Coeuille	Date Received:	4/1/2021	9:45:00 AM
Cha	in of Custe	ody			
1.	Is Chain of C	ustody complete?	Yes 🖌	No 🗌	Not Present
2.	How was the	sample delivered?	FedEx		
Log	<u>In</u>				
3.	Coolers are p	present?	Yes 🖌	No 🗌	
4.	Shipping con	tainer/cooler in good condition?	Yes 🖌	No 🗌	
5.	Custody Seal (Refer to com	ls present on shipping container/cooler? Inments for Custody Seals not intact)	Yes	No 🗌	Not Present 🗹
6.	Was an atten	npt made to cool the samples?	Yes 🗸	No 🗌	NA 🗌
7.	Were all item	s received at a temperature of >2°C to 6°C *	Yes 🗹	No 🗌	
8.	Sample(s) in	proper container(s)?	Yes 🔽	No 🗌	
9.	Sufficient sar	nple volume for indicated test(s)?	Yes 🖌	No 🗌	
10.	Are samples	properly preserved?	Yes 🗹	No 🗌	
11.	Was preserva	ative added to bottles?	Yes	No 🖌	NA 🗌
12.	Is there head	space in the VOA vials?	Yes	No 🗌	NA 🗹
13.	Did all sample	es containers arrive in good condition(unbroken)?	Yes 🖌	No 🗌	
14.	Does paperw	ork match bottle labels?	Yes 🖌	No 🗌	
15.	Are matrices	correctly identified on Chain of Custody?	Yes 🖌	No 🗌	
16.	Is it clear what	at analyses were requested?	Yes 🖌	No 🗌	
17.	Were all hold	ling times able to be met?	Yes 🗌	No 🗹	
Spe	cial Handl	ing (if applicable)			
18.	Was client no	ptified of all discrepancies with this order?	Yes 🖌	No 🗌	
	Person	Notified: Sherry Chilcutt Date:		4/7/2021	
	By Who	m: Brianna Barnes Via:	✓ eMail □ Ph	one 🗌 Fax	In Person
	Regardi	ng: PAH extraction error in original run. Rec	questing authorization	on to re-extract	t out of hold.
	Client Ir	nstructions: See additional remarks			

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 ⁰C
Sample 1	3.4

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



Sample Log-In Check List

Client	t Name:	LIBBY	Work Order Numb	oer: 2104008	
Logge	ed by:	Brianna Barnes	Date Received:	4/1/2021	9:45:00 AM
Chain	of Custo	<u>ody</u>			
1. ls (Chain of C	ustody complete?	Yes 🖌	No 🗌	Not Present
2. Ho	w was the	sample delivered?	UPS		
<u>Log In</u>					
3. Co	olers are p	resent?	Yes 🖌	No 🗌	
4. Shi	ipping cont	ainer/cooler in good condition?	Yes 🖌	No 🗌	
5. Cu (Re	stody Seal efer to com	s present on shipping container/cooler? ments for Custody Seals not intact)	Yes	No 🗌	Not Present 🗹
6. Wa	as an atten	npt made to cool the samples?	Yes 🖌	No 🗌	NA 🗌
7. We	ere all item	s received at a temperature of >2°C to 6°C *	Yes 🖌	No 🗌	
8 . Sa	mple(s) in	proper container(s)?	Yes 🔽	No 🗌	
9. Su	fficient san	nple volume for indicated test(s)?	Yes 🖌	No 🗆	
10. Are	e samples	properly preserved?	Yes 🖌	No 🗌	
11. Wa	as preserva	ative added to bottles?	Yes	No 🗹	NA 🗌
12. ^{Is t}	here head	space in the VOA vials?	Yes	No 🗌	NA 🗹
13. Dic	d all sample	es containers arrive in good condition(unbroken)?	Yes 🗹	No 🗌	
14. Do	es paperw	ork match bottle labels?	Yes 🗹	No 🗌	
15. Are	e matrices	correctly identified on Chain of Custody?	Yes 🔽	No 🗌	
16. ls i	t clear wha	at analyses were requested?	Yes 🖌	No 🗌	
17. We	ere all hold	ing times able to be met?	Yes	No 🗹	
<u>Specia</u>	al Handli	ing (if applicable)			
18. ^{Wa}	as client no	tified of all discrepancies with this order?	Yes	No 🗌	NA 🗹
	Person	Notified: Date			
	By Who	m: Via:	eMail Ph	one 🗌 Fax	In Person
	Regardi	ng:			
	Client In	structions:			

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

Item Information

Item #	Temp ⁰C
Sample	5.9

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

Libby Environmental, Inc.				Chain of Custody Record					ord	W04008 www.LibbyEnvironmer			ental.com		
Olympia, WA 98506	Fax	Fax: 360-352-2110				Date: 3/31/21				Page:			of		
Client: Libby Environmental Inc.					Project Manager: Kaley Eley						f 17				
Address: See Above						Proje	ct Name:	BLT I	Teuckin	-en					17 0
City:	State: Zin					Location:				Cit	City State: Kingt WA				
Phone:	Fay					Collector: SRB				Date of Collection: 3/30/21					
Client Project # 1 2 1/0 221-3						Email: 1 th or Occur 1					00		Colle	5100/1. J/ 00/2.	
Sample Number	Depth	Time	Sample Type	Container		200 000 000 000 000 000 000 000 000 000	2100 2100 810 810 810 810 80 80 80 80 80 80 80 80 80 8	Returned 23	2000 C	101 101 101 101 101 101 101 101 101 101	200 200 - 1 200 200 - 1 200 - 200 - 1	00000		Field Notes	
1 MW 5		1001	H20	+Poly x2						X	X		Í	[
2 MW 1	-	1052		A.						K	×	4			
3 MW 4		1150								X	×				
4 MW 3		1246								X	×				
5 MW 2	<u> </u>	1323								x	X				
6												1			
7												1			
8												1			
9												1			
10												1			
11												1			
12												1			
13												1			
14												1			
15												1			
16												1			
17												1			
Relinquished by:	- 3/	31/21	Date / Time	Received by:				Date / Ti	me Good	Sample Condition	Receip	n N	Rem	arks: Standar	d
Relinquished by: Date / Time				Received by: Date / Time Coole				r Temp °C				5 Daug TA-	٢		
Belinguished by: Date / Time				Received by:				Samp	He Temp. * Helle			icld filtered Bot	tles for		
an a									Co	number o	1		TAT	E 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



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,

3 1 Um

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	(16002)								
Olympia, WA 98506 Fax: 360-352-4154	Date: 6/19/202 Page: of								
Client: FCL	Project Manager: CHAILES MCFADDEN								
Address: P.O.C BOX 153	Project Name: BUT TRVCKING								
City: FOX IDLAND State: WA Zip: 9833 3	Location: LENT, IN A City, State:								
Phone: 263-318-386 Fax:	Collector: 5 RB / CEL Date of Collection: 6/19/202								
Client Project # $\emptyset 6 1 \cdot \emptyset 1 - \emptyset 3 \cdot \emptyset d$	Email: CHARLES @ ALLECI.COM								
Sample Number Depth Time Type Type	56 5 ¹⁰ 5 ¹								
1 MWS Q935 WALTER SOOMLANBER									
2 MWY 100T 0000									
3 MW 5									
4 MW 1135									
5 MWC 128 V									
6									
7									
8									
9									
13									
14									
15									
16									
17 Date / Time Designation									
6/15/2 1434	6/15/21 We condition? Y N MTCA & JF ANY TOTAL								
Relinquished by: Date / Time Received by:	Date / Time Cooler Temp. °C DETECTIONS TXCEED CW 5								
	Sample Temp. °C								
Relinquished by: Date / Time Received by:	Date / Time Total Number of								
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 at	Ind reasonable attorney fees to be determined by a court of law.								

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

Sample Description		Method	MW5	MW5 Dup	MW4	MW3	MW1		
		Blank		_					
Date Sampled		N/A	6/15/2021	6/15/2021	6/15/2021	6/15/2021	6/15/2021		
Date Analyzed	PQL	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021		
	(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		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.									

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt
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

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 detec	cted at listed	detection limit	
"int" Indicates that inter	rference pre	vents determina	tion.

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

ANALYSES PERFORMED BY: Sherry Chilcutt

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

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

Matrix Spike Sample Identification: MW5									
Date Analyzed: 6/16/2021									
	Spiked	MS	MSD	MS	MSD	RPD	Limits	Data	
	Conc.	Response	Response	Recovery	Recovery		Recovery	Flag	
	(µg/L)	(µg/L)	$(\mu g/L)$	(%)	(%)	(%)	(%)		
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		

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

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Date Analyzed	· 6/16/2021				
2 ato 1 mary 200	Spiked	LCS	LCS	LCS	Data
	Conc.	Response	Recovery	Recovery	Flag
	(µg/L)	(μg/L)	(%)	Limits (%)	C
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	

Laboratory Control Sample

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

Sample	Date	Surrogate	Diesel	Oil					
Number	Analyzed	Recovery (%)	$(\mu g/L)$	$(\mu g/L)$					
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.									

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

"int" Indicates that interference prevents determination.

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

ANALYSES PERFORMED BY: Jenny Anderson

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

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 in	"int" Indicates that interference prevents determination.									

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

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

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

Sample Description	POL	MW1	MW2			
1 1						
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 de	tected at 1	isted detection	n limit.			
"int" Indicates that in	terference	e prevents det	ermination.			
ACCEPTABLE RECOV	ERY LIMI	TS FOR SURR	DGATE 65% T	O 135%		
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%						
ACCEPTABLE RPD IS 2	20%					

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

ANALYSES PERFORMED BY: Paul Burke

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

Sample	Date	Lead	Cadmium	Chromium	Arsenic			
Number	Analyzed	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$			
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	n Limit	5.0	0.5	5.0	3.0			
"nd" Indicates not detected at the listed detection limits.								

Analyses of Total Metals in Water by EPA Method 7010 Series

ANALYSES PERFORMED BY: Kodey Eley

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

Sample	Date	Lead	Cadmium	Chromium	Arsenic
Number	Analyzed	(% Recovery)	(% Recovery)	(% Recovery)	(% 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

BLT TRUCKING PROJECT ECI Libby Project # L210615-3 Date Received 6/15/21 14:34 3322 South Bay Road NE Olympia, WA 98506 Phone: (360) 352-2110 FAX: (360) 352-4154 Email: libbyenv@gmail.com

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)	6.0	°C	
8. Temperature of sample(s) (0°C to 8°C recommended)	14.8	°C	
9. Did all containers arrive in good condition (unbroken)?	✓ Yes	🗌 No	
10. Is it clear what analyses were requested?	✓ Yes	🗌 No	
11. Did container labels match Chain of Custody?	✓ Yes	🗌 No	
12. Are matrices correctly identified on Chain of Custody?	☑ Yes	🗌 No	
13. Are correct containers used for the analysis indicated?	☑ Yes	🗌 No	
14. Is there sufficient sample volume for indicated analysis?	✓ Yes	🗌 No	
15. Were all containers properly preserved per each analysis?	✓ Yes	🗌 No	
16. Were VOA vials collected correctly (no headspace)?	✓ Yes	🗌 No	🗋 N/A
17. Were all holding times able to be met?	☑ Yes	🗌 No	
Discrepancies/ Notes			
18. Was client notified of all discrepancies?	Yes	🗌 No	✓ N/A
Person Notified:		Date:	
By Whom:		Via:	
Regarding:		_	
19. Comments.			



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



CLIENT: Project: Work Order:	Libby Environmental BLT Trucking 2106291	work Order Sample Summa					
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				



Case Narrative

WO#: **2106291** Date: **6/23/2021**

CLIENT:Libby EnvironmentalProject: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 & Acronyms



 WO#:
 2106291

 Date Reported:
 6/23/2021

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



Client: Libby Environmental	Collection Date: 6/15/2021 11:35:00 AM					
Project: BLT Trucking						
Lab ID: 2106291-001				Matrix: W	/ater	
Client Sample ID: MW1						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	PA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID:	32754 Analyst: LB
Mercury	ND	0.100		µg/L	1	6/23/2021 4:58:30 PM



Client: Libby Environmental	Collection Date: 6/15/2021 12:28:00 PM					
Project: BLT Trucking						
Lab ID: 2106291-002				Matrix: W	/ater	
Client Sample ID: MW2						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	PA Method 8	<u>3270 (SIM)</u>		Batc	h 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				Batc	h ID:	32754 Analyst: LB
Mercury	ND	0.100		µg/L	1	6/23/2021 5:05:44 PM



Client: Libby Environmental			(Collectior	n Date	: 6/15/2021 11:11:00 AM
Project: BLT Trucking						
Lab ID: 2106291-003				Matrix: W	/ater	
Client Sample ID: MW3						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	EPA Method 8	<u>3270 (SIM)</u>		Batcl	h ID: 3	2680 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				Batc	h ID: 3	2754 Analyst: LB
Mercury	ND	0.100		µg/L	1	6/23/2021 5:07:26 PM



Client: Libby Environmental				Collectior	n Dat	e: 6/15/2021 10:27:00 AM
Project: BLT Trucking						
Lab ID: 2106291-004				Matrix: W	/ater	
Client Sample ID: MW4						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	EPA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID:	32754 Analyst: LB
Mercury	ND	0.100		µg/L	1	6/23/2021 5:09:09 PM



Client: Libby Environmental			(Collectior	n Date:	6/15/2021 9:35:00 AM
Project: BLT Trucking						
Lab ID: 2106291-005				Matrix: W	/ater	
Client Sample ID: MW5						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by I	EPA Method	<u>8270 (SIM)</u>		Batc	h ID: 32	2709 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				Batc	h ID: 32	2754 Analyst: LB
Mercury	ND	0.100		µg/L	1	6/23/2021 5:10:50 PM



Work Order:	2106291								QC S		RY REF	PORT
CLIENT:	Libby Enviro	onmental							Moro		A Mothod	1 245 1
Project:	BLT Truckir	ng							Werc		A Method	1 245.1
Sample ID: MB-32	2754	SampType: MBLK			Units: µg/L		Prep Dat	te: 6/23/20	21	RunNo: 681	67	
Client ID: MBLK	W	Batch ID: 32754				1	Analysis Dat	te: 6/23/20	21	SeqNo: 137	76033	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND	0.100									
Sample ID: LCS-3	2754	SampType: LCS			Units: µg/L		Prep Dat	te: 6/23/20	21	RunNo: 681	67	
Client ID: LCSW	1	Batch ID: 32754				/	Analysis Dat	te: 6/23/20	21	SeqNo: 137	6034	
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: 21062	81-025CDUP	SampType: DUP			Units: µg/L		Prep Dat	te: 6/23/20	21	RunNo: 681	67	
Client ID: BATC	н	Batch ID: 32754				/	Analysis Dat	te: 6/23/20	21	SeqNo: 137	76036	
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: 21062	81-025CMS	SampType: MS			Units: µg/L		Prep Dat	te: 6/23/20	21	RunNo: 681	67	
Client ID: BATC	н	Batch ID: 32754				1	Analysis Dat	te: 6/23/20	21	SeqNo: 137	6037	
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: 21062	81-025CMSD	SampType: MSD			Units: µg/L		Prep Dat	te: 6/23/20	21	RunNo: 681	67	
Client ID: BATC	н	Batch ID: 32754					Analysis Dat	te: 6/23/20	21	SeqNo: 137	76038	
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	



Ĭ	Fremont Analytical
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Work Order:	2106291									2.00	SUMMA		PORT
CLIENT:	Libby Enviro	onmental					-						
Project:	BLT Truckir	ng					PO	olyaroma	tic Hydro	ocarbons b	y EPA Me	thod 827	U (SIM)
Sample ID: MB-320	680	SampType	MBLK			Units: µg/L		Prep Da	te: 6/16/20	21	RunNo: 68(043	
Client ID: MBLK	W	Batch ID:	32680					Analysis Da	te: 6/17/20	21	SeqNo: 137	73215	
Analyte		F	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)fluoranthe	ne		ND	0.0988									
Benzo(k)fluoranther	ne		ND	0.0988									
Benzo(a)pyrene			ND	0.0988									
Indeno(1,2,3-cd)pyr	rene		ND	0.0988									
Dibenz(a,h)anthrac	ene		ND	0.0988									
Surr: 2-Fluorobip	henyl		1.88		1.975		95.2	33.2	139				
Surr: Terphenyl-o	d14		2.22		1.975		112	24.6	136				
Sample ID: LCS-32	2680	SampType	LCS			Units: µg/L		Prep Da	te: 6/16/20	21	RunNo: 68()43	
Client ID: LCSW		Batch ID:	32680					Analysis Da	te: 6/17/20	21	SeqNo: 137	73216	
Analyte		F	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1		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)fluoranthe	ne		2.54	0.0981	3.926	0	64.8	24.9	128				
Benzo(k)fluoranther	ne		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)pyr	rene		2.27	0.0981	3.926	0	57.9	14.9	123				
Dibenz(a,h)anthrac	ene		2.34	0.0981	3.926	0	59.6	12.2	125				
Surr: 2-Fluorobip	henyl		1.92		1.963		97.7	33.2	139				
Surr: Terphenyl-o	d14		1.98		1.963		101	24.6	136				
Sample ID: LCSD-	32680	SampType	LCSD			Units: µg/L		Prep Da	te: 6/16/20	21	RunNo: 68(043	
Client ID: LCSW	02	Batch ID:	32680					Analysis Da	te: 6/17/20	21	SeqNo: 137	73217	
Analyte		F	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1		3.11	0.0981	3.925	0	79.2	33.1	130	2.987	3.98	30	



Work Order: 2106	6291							QC S	SUMMAI	RY REF	PORT
CLIENT: Libb	y Environmental				Po	lvaromativ		oarbone b		bod 827	
Project: BLT	Trucking				FC	nyaromatic	s riyure				
Sample ID: LCSD-32680	SampType: LCSD			Units: µg/L		Prep Date:	6/16/20	21	RunNo: 680)43	
Client ID: LCSW02	Batch ID: 32680					Analysis Date:	6/17/20	21	SeqNo: 137	73217	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	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: 2106223-001	CMS SampType: MS			Units: µg/L		Prep Date:	6/16/20	21	RunNo: 68()43	
Client ID: BATCH	Batch ID: 32680					Analysis Date:	6/17/20	21	SeqNo: 137	3235	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	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:	6/18/20	21	RunNo: 681	36	
Client ID: MBLKW	Batch ID: 32709					Analysis Date:	6/22/20	21	SeqNo: 137	75210	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bonz(a)anthracono	ND	0.0994									

0.0994

ND

Original

Chrysene

Fremont
Analytical

Work Order:	2106291								20	SUMMA	RY REF	PORT
CLIENT:	Libby Envir	onmental				Delveremetic Hydrocerbone by EDA Method 9270 (SIM)						
Project:	BLT Trucki	ng				Po	lyaroma	tic Hydro	ocarbons b	y EPA Me	(noa 827)	U (SINI)
Sample ID: MB-32	2709	SampType: MBLK			Units: µg/L		Prep Da	te: 6/18/20)21	RunNo: 681	36	
Client ID: MBLK	W	Batch ID: 32709					Analysis Da	te: 6/22/20)21	SeqNo: 137	75210	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthe	ene	ND	0.0994									
Benzo(k)fluoranthe	ene	ND	0.0994									
Benzo(a)pyrene		ND	0.0994									
Indeno(1,2,3-cd)py	/rene	ND	0.0994									
Dibenz(a,h)anthrac	cene	ND	0.0994									
Surr: 2-Fluorobi	phenyl	1.64		1.988		82.6	33.2	139				
Surr: Terphenyl-	-d14	2.15		1.988		108	24.6	136				
Sample ID: LCS-3	2709	SampType: LCS			Units: µg/L		Prep Da	te: 6/18/20)21	RunNo: 681	36	
Client ID: LCSW	1	Batch ID: 32709					Analysis Da	te: 6/22/20)21	SeqNo: 137	75211	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	Э	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)fluoranthe	ene	3.13	0.0997	3.986	0	78.6	24.9	128				
Benzo(k)fluoranthe	ene	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)py	/rene	2.96	0.0997	3.986	0	74.3	14.9	123				
Dibenz(a,h)anthrac	cene	3.05	0.0997	3.986	0	76.5	12.2	125				
Surr: 2-Fluorobi	phenyl	1.55		1.993		78.0	33.2	139				
Surr: Terphenyl-	-d14	2.10		1.993		105	24.6	136				
Sample ID: LCSD	-32709	SampType: LCSD			Units: µg/L		Prep Da	te: 6/18/20)21	RunNo: 681	36	
Client ID: LCSW	/02	Batch ID: 32709					Analysis Da	te: 6/22/20)21	SeqNo: 137	5212	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	e	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)fluoranthe	ene	3.13	0.0992	3.966	0	79.0	24.9	128	3.135	0.0227	30	



Work Order:	2106291									QC S		RY REF	PORT
CLIENT:	Libby Enviro	onmental					D -					(h) 007(
Project:	BLT Truckir	ng					Po	lyaromat	ic Hydro	ocarbons b	Y EPA Me	inod 8270	J (5INI)
Sample ID: LCSD-	-32709	SampType	e: LCSD			Units: µg/L		Prep Dat	e: 6/18/20	21	RunNo: 681	136	
Client ID: LCSW	02	Batch ID:	32709					Analysis Dat	e: 6/22/20	21	SeqNo: 137	75212	
Analyte		l	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthe	ene		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)py	rrene		3.19	0.0992	3.966	0	80.5	14.9	123	2.963	7.52	30	
Dibenz(a,h)anthrac	cene		3.29	0.0992	3.966	0	82.8	12.2	125	3.048	7.52	30	
Surr: 2-Fluorobip	ohenyl		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: 21062	91-005AMS	SampType	: MS			Units: µg/L		Prep Dat	e: 6/18/20	21	RunNo: 681	136	
Client ID: MW5		Batch ID:	32709					Analysis Dat	e: 6/22/20	21	SeqNo: 137	75214	
Analyte		I	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	9		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)fluoranthe	ene		2.90	0.112	4.498	0	64.4	8.57	125				
Benzo(k)fluoranthe	ene		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)py	rrene		2.75	0.112	4.498	0	61.1	5	120				
Dibenz(a,h)anthrac	cene		2.84	0.112	4.498	0	63.0	5	122				
Surr: 2-Fluorobip	ohenyl		1.79		2.249		79.8	33.2	139				
Surr: Terphenyl-	d14		1.97		2.249		87.6	24.6	136				



Sample Log-In Check List

Clier	nt Name:	LIBBY	Work Order Numb	oer: 2106291	
Logg	ged by:	Gabrielle Coeuille	Date Received:	6/16/2021	9:04:00 AM
Chain	n of Custo	<u>ody</u>			
1. Is	Chain of Cu	ustody complete?	Yes 🖌	No 🗌	Not Present
2. H	ow was the	sample delivered?	<u>UPS</u>		
<u>Log lı</u>	<u>n</u>				
3. C	oolers are p	resent?	Yes 🗹	No 🗌	NA 🗌
4. SI	hipping cont	ainer/cooler in good condition?	Yes 🖌	No 🗌	
5. Ci (R	ustody Seal Refer to com	s present on shipping container/cooler? ments for Custody Seals not intact)	Yes	No 🗌	Not Present 🗹
6. W	as an atten	npt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌
7. W	/ere all item	s received at a temperature of >2°C to 6°C *	Yes 🖌	No 🗌	
8. Sa	ample(s) in	proper container(s)?	Yes 🔽	No 🗌	
9. S	ufficient san	nple volume for indicated test(s)?	Yes 🗹	No 🗌	
10. A	re samples	properly preserved?	Yes 🖌	No 🗌	
11. W	/as preserva	ative added to bottles?	Yes	No 🗹	NA 🗌
12. ^{Is}	there head	space in the VOA vials?	Yes	No 🗌	NA 🗹
13. Di	id all sample	es containers arrive in good condition(unbroken)?	Yes 🔽	No 🗌	
14. D	oes paperw	ork match bottle labels?	Yes 🗹	No 🗌	
15. A	re matrices	correctly identified on Chain of Custody?	Yes 🖌	No 🗌	
16. ^{Is}	it clear wha	at analyses were requested?	Yes 🖌	No 🗌	
17. W	/ere all hold	ing times able to be met?	Yes 🗹	No 🗌	
<u>Speci</u>	ial Handli	<u>ing (if applicable)</u>			
18. W	as client no	tified of all discrepancies with this order?	Yes	No 🗌	NA 🗹
	Person I	Notified: Date			
	By Who	m: Via:	eMail Pho	one 🗌 Fax 🛛	In Person
	Regardi	ng:			
	Client In	structions:			

Item Information

Item #	Temp ⁰C
Sample 1	3.8

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



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,

z 2 Um

Sherry L. Chilcutt Senior Chemist Libby Environmental, Inc.

Libby Environmental, Inc.	Chain c	of Custody	Recor	d		www.LibbyEnvironmental.com			
3322 South Bay Road NE Ph: 360-352-2110		<i>C I</i>	1600	1					
Olympia, WA 98506 Fax: 360-352-4154		Date: 6/	121200		Page:	of			
Client: LCL		Project Manager: CHAILES MCFADDEN							
Address: P.O.C BOX 163	0	Project Name: BUT TRVCKING							
city: FOX IDLAND State: WA Zip.	9833.5	Location:	KANT,	IN A	City, Star	te:			
Phone: 263-318-386 Fax:		Collector: 61	28/0	Ĥ	Date of (Collection: 6/19/202			
Client Project # Ø611. Ø1-Ø3. Ø2		Email: CH/	FRIES C	? AllECI.	COM				
Sample Number Depth Time Type	Container	6) 5 ¹⁰ 6) 5 ¹⁰ 6) 5 ¹⁰ 5 ¹⁰ 5 ¹⁰ 5 ¹⁰ 5 ¹⁰	EST CONTRACTOR	S CS 27 27 07	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Field Notes			
1 MWS \$935 WATER	DILAMBER GODMLANNER		XXXX	X	Ø	6-24-21 ADD-ON			
2 MWY 1027	D POCY					REQUEST PER			
3 M123 1111	5 VOAS				\otimes	CHARLES VIA EMAIL.			
4 MW 1135					\otimes	STD TAT			
5 MW2 1228 V			VIVIE						
6			0 0 0						
7									
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16									
17									
Relinquisher by: Date (Time	Received by:		Date / Time	Sample I	Receipt	Remarks: RUN DIStOUTD			
Delinguided by	Bassingthing	- 61	15/21 143	Good Condition?	Y N	MTCA 5 JF ANY 1014C			
Date / Time	Received by:		Date / TIMe	Cooler Temp.	0 °C	DO LECITOR & MAY COLD ON C			
Relinquished by: Date / Time	Received by:		Date / Time	Total Number of	~				
LEGAL ACTION CLAUSE: In the event of default of payment and/or failure to pay. Client agrees to pay the cos	ts of collection including court costs and	reasonable attornev fees to be	determined by a court	Containers		TAT: 24HR 48HR 5-DAY Distribution: White - Lab. Yellow - Originator			

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

Sample	Date	Arsenic
Number	Analyzed	$(\mu g/L)$
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 of Dissolved Arsenic in Water by EPA Method 7010 Series

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

BLT TRUCKING PROJECT ECI Libby Project # L210615-3B Date Received 6/15/21 14:34 3322 South Bay Road NE Olympia, WA 98506 Phone: (360) 352-2110 FAX: (360) 352-4154 Email: libbyenv@gmail.com

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)	6.0	°C	
8. Temperature of sample(s) (0°C to 8°C recommended)	14.8	°C	
9. Did all containers arrive in good condition (unbroken)?	✓ Yes	🗌 No	
10. Is it clear what analyses were requested?	✓ Yes	🗌 No	
11. Did container labels match Chain of Custody?	✓ Yes	🗌 No	
12. Are matrices correctly identified on Chain of Custody?	☑ Yes	🗌 No	
13. Are correct containers used for the analysis indicated?	☑ Yes	🗌 No	
14. Is there sufficient sample volume for indicated analysis?	✓ Yes	🗌 No	
15. Were all containers properly preserved per each analysis?	✓ Yes	🗌 No	
16. Were VOA vials collected correctly (no headspace)?	✓ Yes	🗌 No	🗋 N/A
17. Were all holding times able to be met?	☑ Yes	🗌 No	
Discrepancies/ Notes			
18. Was client notified of all discrepancies?	Yes	🗌 No	✓ N/A
Person Notified:		Date:	
By Whom:		Via:	
Regarding:		_	
19. Comments.			

Libby Environr	nental	, Inc.		C	nain	of Cu	stod	y R	ecor	rd	21	0122	91		www.LibbyEnvironmental.com		
4 139 Libby Road NE Olympia WA 98506	Ph: Fax:	360-352-	2110 4154			Date:	6/15/	20				0000	Page	e:	l of l	(0	
Client: Libba Eaul	connect	al. the				Projec	t Manag	ger:	Koden	El	ev					of 16	
Address: See Aller	10.11.01	any end	~			Projec	t Name	:	C)	1					16	
City:		State:	Zip);		Locati	on:						City,	Stat	e: Kent, WA	age	
Phone:		Fax:				Collec	tor: Si	2B/	CZL				Date	e of C	Collection: 6/15/21	- U	
Client Project # L2106	15-3					Email	Libb	yen	Car	uni	.com				0, ,		
Sample Number	Depth	Time	Sample	Container		1.100 ml	5 ⁸ /3	* * *	 	Jinde	Alline Color		311		Field Notes		
1 Mull		1135	HTO	P-1.		1 T			Í	T	1 T	X	X				
2 1412	/	1228	1	1014						T		×	X				
2 1000 2	-	1000			++	++			-	t		X	X				
3 MW 3	-					+-+				+	+ +	V					
4 MWH	-	1027								_			~				
5 MW 5		0935	2	7								X	×				
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10 -															D	_	
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Relinquished by	Date	/ Time	1030	Received by:			_	Date /	Time	Go	od Condit	ion?	Ŷ	°C	Studie		
UPS				neri. 1	lons	In 1	111111	11	904	Se	als Intact?	Y	N	N/A	TAT		
Relinquished by:	Date	/ Time	(Received by:	in	0-0	pape	Date /	Time	To	tal Numbe Container	r of s			191		

LEGAE 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 firm to be determined by a court of time



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,

2 1 Um

Sherry L. Chilcutt Senior Chemist Libby Environmental, Inc.

Libby Environn	nental,	Inc.		Ch	nain	of	Cu	lst	ody	Re	ecó	rd							www.LibbyEnvironmenta
4139 Libby Road NE	Ph:	360-352-2	2110					9	1/0-	10	,								1 1
Olympia, WA 98506	Fax:	360-352-4	1154			<u>ي</u>	Date:	: /	143	1.2		0		D		Page	:		\ of (
Client: CL							Proje	ect M	anage	: 1	r K	ad	2	Ke	ee				
Address: PO Box	153		-				Proje	ect Na	ame:	BL	<u></u>	Ton	ch	hy					/ /
City: Fox Isl	nd	State:	NA Zip	D: 48333			Locat	tion:	Ke	n	- 11	NA	-			City,	Stat	te:	Kent, LA
Phone:		Fax:					Colle	ctor:	C	Se	ne	L	94	g		Date	of C	Collec	tion: 9/23/21
Client Project # 066	-01-0	3-02	-				Emai	il:	Ka	le	C	4110	2ú	On	1				
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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

Sample Description		Method	MW1	MW2	MW3	MW4	MW5
		Blank					
Date Sampled		N/A	9/23/2021	9/23/2021	9/23/2021	9/23/2021	9/23/2021
Date Analyzed	PQL	9/26/2021	9/26/2021	9/26/2021	9/26/2021	9/26/2021	9/26/2021
	(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		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 detec	rted at listed	detection lin	nit				

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

letected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

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

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 detect	cted at listed	detection limit
"int" Indicates that inter	rforonco nro	vonte dotormin

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

'int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

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

I	Matrix Spike Sample Identification: MW5											
		Date	Analyzed:	9/26/2021								
	Spiked	MS	MSD	MS	MSD	RPD	Limits	Data				
	Conc.	Response	Response	Recovery	Recovery		Recovery	Flag				
	(µg/L)	(µg/L)	(µg/L)	(%)	(%)	(%)	(%)					
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					

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

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Laboratory Control Sample

Date Analyzed: 9	9/26/2021				
	Spiked	LCS	LCS	LCS	Data
	Conc.	Response	Recovery	Recovery	Flag
	(µg/L)	$(\mu g/L)$	(%)	Limits (%)	
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	

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

Sample	Date	Surrogate	Diesel	Oil
Number	Analyzed	Recovery (%)	$(\mu g/L)$	$(\mu g/L)$
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 th	ne listed dete	ection limits.		

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 42% TO 150%

ANALYSES PERFORMED BY: Randolph Kraus

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

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
	$(\mu g/L)$	(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 de	tected at 1	isted detection	n limit.				
"int" Indicates that in	iterference	prevents det	ermination.				

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

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

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

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

ANALYSES PERFORMED BY: Paul Burke

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

Sample	Date	Lead	Cadmium	Chromium	Arsenic			
Number	Analyzed	(µg/L)	(µg/L)	(µg/L)	$(\mu g/L)$			
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 of Total Metals in Water by EPA Method 7010 Series

ANALYSES PERFORMED BY: Eric Welte

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

Sample	Date	Lead	Cadmium	Chromium	Arsenic
Number	Analyzed	(% Recovery)	(% Recovery)	(% Recovery)	(% 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
BLT TRUCKING PROJECT ECI Libby Project # L210924-3 Date Received 9/22/21 12:05 3322 South Bay Road NE Olympia, WA 98506 Phone: (360) 352-2110 FAX: (360) 352-4154 Email: libbyenv@gmail.com

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)	2.1	_°C	
8. Temperature of sample(s) (0°C to 8°C recommended)	4.5	5 °C	
9. Did all containers arrive in good condition (unbroken)?	✓ Yes	🗌 No	
10. Is it clear what analyses were requested?	✓ Yes	🗌 No	
11. Did container labels match Chain of Custody?	⊡ Yes	🗌 No	
12. Are matrices correctly identified on Chain of Custody?	☑ Yes	🗌 No	
13. Are correct containers used for the analysis indicated?	☑ Yes	🗌 No	
14. Is there sufficient sample volume for indicated analysis?	✓ Yes	🗌 No	
15. Were all containers properly preserved per each analysis?	✓ Yes	🗌 No	
16. Were VOA vials collected correctly (no headspace)?	☑ Yes	🗌 No	□ N/A
17. Were all holding times able to be met?	☑ Yes	🗌 No	
Discrepancies/ Notes			
18. Was client notified of all discrepancies?	🗌 Yes	🗌 No	✓ N/A
Person Notified:		D	ate:
By Whom:		_	Via:
Regarding:			
19. Comments.			



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



CLIENT: Project:	Libby Environmental BLT Trucking	Work Order S	Sample Summary
Work Order:	2109477		
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



Case Narrative

WO#: **2109477** Date: **10/5/2021**

CLIENT:Libby EnvironmentalProject: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 & Acronyms



WO#: **2109477** Date Reported: **10/5/2021**

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



Client: Libby Environmental				Collectior	n Date	e: 9/23/2021 2:35:00 PM
Project: BLT Trucking						
Lab ID: 2109477-001				Matrix: W	/ater	
Client Sample ID: MW1						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by I	EPA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID: 🗄	33869 Analyst: CH
Mercury	ND	0.100		µg/L	1	9/29/2021 3:41:18 PM



Client: Libby Environmental			(Collectior	n Dat	e: 9/23/2021 12:50:00 PM
Project: BLT Trucking						
Lab ID: 2109477-002				Matrix: W	/ater	
Client Sample ID: MW2						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	PA Method 8	<u>3270 (SIM)</u>		Batc	h 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				Batc	h ID:	33869 Analyst: CH
Mercury	ND	0.100		µg/L	1	9/29/2021 3:42:59 PM



Client: Libby Environmental			(Collectior	n Dat	e: 9/23/2021 12:10:00 PM
Project: BLT Trucking						
Lab ID: 2109477-003				Matrix: W	/ater	
Client Sample ID: MW3						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	EPA Method	<u>3270 (SIM)</u>		Batc	h 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				Batc	h ID:	33869 Analyst: CH
Mercury	ND	0.100		µg/L	1	9/29/2021 3:44:40 PM



Client: Libby Environmental			(Collectior	n Dat	e: 9/23/2021 1:55:00 PM
Project: BLT Trucking						
Lab ID: 2109477-004				Matrix: W	/ater	
Client Sample ID: MW4						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by I	EPA Method 8	<u>3270 (SIM)</u>		Batc	h 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				Batc	h ID:	33869 Analyst: CH
Mercury	ND	0.100		µg/L	1	9/29/2021 3:46:22 PM



Client: Libby Environmental				Collectior	n Date	e: 9/23/2021 10:50:00 AM
Project: BLT Trucking						
Lab ID: 2109477-005				Matrix: W	/ater	
Client Sample ID: MW5						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by E	PA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID: 🗄	33869 Analyst: CH
Mercury	ND	0.100		µg/L	1	9/29/2021 3:51:27 PM



Work Order: CLIENT:	2109477 Libby Enviro	nmental					REPORT
Project:	BLT Truckin	g					lethou 245.1
Sample ID: MB-33	3869	SampType: MBLK			Units: µg/L	Prep Date: 9/29/2021 RunNo: 70213	
Client ID: MBLK	W	Batch ID: 33869				Analysis Date: 9/29/2021 SeqNo: 142487	D
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RP	DLimit Qual
Mercury		ND	0.100				
Sample ID: LCS-3	3869	SampType: LCS			Units: µg/L	Prep Date: 9/29/2021 RunNo: 70213	
Client ID: LCSW	1	Batch ID: 33869				Analysis Date: 9/29/2021 SeqNo: 142487	1
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RP	DLimit Qual
Mercury		2.44	0.100	2.500	0	97.6 85 115	
Sample ID: 21094	74-001CDUP	SampType: DUP			Units: µg/L	Prep Date: 9/29/2021 RunNo: 70213	
Client ID: BATC	н	Batch ID: 33869				Analysis Date: 9/29/2021 SeqNo: 142487	3
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RP	DLimit Qual
Mercury		ND	0.100			0	20
Sample ID: 21094	74-001CMS	SampType: MS			Units: µg/L	Prep Date: 9/29/2021 RunNo: 70213	
Client ID: BATC	н	Batch ID: 33869				Analysis Date: 9/29/2021 SeqNo: 142487	4
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RP	'DLimit Qual
Mercury		2.33	0.100	2.500	0	93.2 70 130	
Sample ID: 21094	74-001CMSD	SampType: MSD			Units: µg/L	Prep Date: 9/29/2021 RunNo: 70213	
Client ID: BATC	н	Batch ID: 33869				Analysis Date: 9/29/2021 SeqNo: 142487	5
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RP	DLimit Qual
Mercury		2.45	0.100	2.500	0	98.0 70 130 2.330 5.02	20

Fremont
Analytical

Work Order: 210947	77						00	SUMMARY REP	ORT
CLIENT: Libby E	Invironmental				_				(a)
Project: BLT Tr	ucking				Po	olyaroma	tic Hydrocarbons	s by EPA Method 8270	(SIM)
Sample ID: LCSD-33880	SampType: LCS			Units: µg/L		Prep Da	te: 9/29/2021	RunNo: 70297	
Client ID: LCSW	Batch ID: 33880					Analysis Da	te: 10/1/2021	SeqNo: 1426762	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref V	al %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 Da	te: 9/29/2021	RunNo: 70297	
Client ID: MBLKW	Batch ID: 33880					Analysis Da	te: 10/1/2021	SeqNo: 1426765	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref V	al %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: 2109425-001CM	S SampType: MS			Units: µg/L		Prep Da	te: 9/29/2021	RunNo: 70297	
Client ID: BATCH	Batch ID: 33880					Analysis Da	te: 10/1/2021	SeqNo: 1426926	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref V	al %RPD RPDLimit	Qual
Benz(a)anthracene	3.36	0.100	3.999	0	84.0	48.3	104		



Work Order: 2109477

Project:

CLIENT: Libby Environmental

BLT Trucking

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2109425-001CMS	SampType: MS			Units: µg/L		Prep Da	te: 9/29/202	21	RunNo: 702	297	
Client ID: BATCH	Batch ID: 33880					Analysis Da	te: 10/1/202	21	SeqNo: 142	26926	
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				



Sample Log-In Check List

Client Name: LIBBY			Work Or	Work Order Number: 2109477					
L	ogged by:	Gabrielle Coeuille	Date Re	ceived:	9/28/2021	11:00:21 AM			
<u>Cha</u>	ain of Cust	ody							
1.	Is Chain of C	custody complete?	Yes	✓	No 🗌	Not Present			
2.	How was the	sample delivered?	<u>Clien</u>	<u>t</u>					
Loc	<u>, In</u>								
3.	Coolers are	present?	Yes	✓	No 🗌	NA 🗌			
4.	Shipping con	tainer/cooler in good condition?	Yes	✓	No 🗌				
5.	Custody Sea (Refer to con	Is present on shipping container/cooler? nments for Custody Seals not intact)	Yes		No 🗌	Not Present 🗹			
6.	Was an atter	npt made to cool the samples?	Yes	✓	No 🗌				
7.	Were all item	ns received at a temperature of >2°C to 6°C *	Yes	✓	No 🗌	NA 🗌			
8.	Sample(s) in	proper container(s)?	Yes	✓	No 🗌				
9.	Sufficient sa	mple volume for indicated test(s)?	Yes	✓	No 🗌				
10	Are samples	properly preserved?	Yes	✓	No 🗌				
11	Was preserv	ative added to bottles?	Yes		No 🗹	NA 🗌			
12	Is there head	Ispace in the VOA vials?	Yes		No 🗌	NA 🗹			
13	Did all samp	les containers arrive in good condition(unbroken)?	Yes	✓	No 🗌				
14	Does paperw	vork match bottle labels?	Yes	✓	No 🗌				
15	Are matrices	correctly identified on Chain of Custody?	Yes	✓	No 🗌				
16	Is it clear wh	at analyses were requested?	Yes	✓	No 🗌				
17	Were all hold	ling times able to be met?	Yes	✓	No 🗌				
<u>Spe</u>	cial Handl	ing (if applicable)							
18	Was client n	otified of all discrepancies with this order?	Yes		No 🗌	NA 🔽			
	Person	Notified: Date	:						
	By Who	via:	🗌 eMai	I 🗌 Ph	ione 🗌 Fax [In Person			
	Regard	ing:							
	Client Ir	nstructions:							
19	Additional re	marks:							

Item Information

Item #	Temp ⁰C
Sample 1	4.2

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

Libby Environmental, Inc.				CI	Chain of Custody Record									V	www.LibbyEnvironmental.com			
3322 South Bay Road NE	Ph:	360-352-2	110			D	ate: 9-	17-1	i i				Pag	e:		I o	of 1	
Client: i Jahu E.	T dA.	500-552-4	154			P	roiect M	anaq	er: K	odey	Eley	/						4
Address:						Project Name: BLT Trucking										of 1		
Address.		States	Zini			- 1	Location: City, S							. Stat	tate: Kent, WA			
City:		State.	ζιμ.			-	Collector C I P							Date of Collection: 9-23-7.1 0				
Phone:	-	Fax:				-	mail	114		Qu			Dat					<u> </u>
Client Project # C210924	-3	1	1		T			2.00	2		77	77	7	7	77		7	
Sample Number	Depth	Time	Sample Type	Container Type	10	280 CU	2 Daugher	200 5+ 80 5+	CT IN THE T	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S Melas	0/10/10 20/10/10	8270 J	L	Field	Notes	
1 MW/1	-	1435	4-0	Ry	T T						2	(X					
2 MW 7	-	1250	1	/								<	X					
3 11/1/10/3		1716										e l	×					_
4 MWH	-	1355									2	×	X					
5 MW 5		1050	T									X	X					
6													_			_		
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17																		
Relinquished by: MA	G	-28-2	Date / Time	Received by:	~	_		9/2	stri	te / Time	Good C	ample ondition?	Receip	N	Rem	arks: St.	d tat	
Relinquished by:			Date / Time	Received by:					Da	te / Time	Cooler Sample	Temp. Temp.		°C	-			
Relinquished by:			Date / Time	Received by:					Da	te / Time	Total N Con	umber of ainers			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 - Orginator



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,

5 1 Um

Sherry L. Chilcutt Senior Chemist Libby Environmental, Inc.

Libby Environmental, Inc. Cha				air	ain of Custody Record									www.LibbyEnvironmental.com								
4139 Libby Road NE Olympia, WA 98506	Ph: Fax:	360-352-2 360-352-4	2110 154				Date	: 9	1/2-	3/	21				~		Pag	e:		1	of	[
Client: FCI							Proje	ect M	lanag	jer:	Q	Ka	d	2	Ke	e	X				_	
Address: PO Rev.	153						Proje	ect N	ame:	B	LT	T	vn	chb	~					,		
City: Fox Islo	nd	State: (NA zip	: 98333	Location: Kent wh City, Sta									Stat	e:	Kei	nt 1	A				
Phone:		Fax:	Collector: Chance Long Date of Collection: 9/2						1/23	121												
Client Project # 0611-01-03-02 Email: Karle CAllecitory																						
Sample Number	Depth	Time	Sample Type	Container Type	15	5 828	AR AN AN	5+ 802 5+ 802	APH JA	STO STORES	\$ 27 - C	24H 24	10 11 NH 8210	Sering C	310 3210 32 30 30 30 30 30 30 30 30 30 30 30 30 30	SA P	50° 00 00 00 00 00 00 00 00 00 00 00 00 0	Aleials	E C	Fie	eld Notes	5
1 Mul		1945	int	24 Ante		X	X			X	X			X	X					Disco	Wed	metals
2 Mart	-	1250	0,0	3104		1	1			1	T	9		T	-					On	hold	
3 MW3	-	1210		1 HNOS POIN																Dent	lan a	nalysis
4 MW4	-	1355		Junp. pory		1				1				11			\otimes			1	50	1.5
5 MW5	-	105D	V	, , ,		K	¥			¥	¥			V	¥							
6																				MUN	Tip	ne: 1435
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Relinguished by:	Dato	/ Time		Received by:						Date	/ Time	9	Seals	Intac	t?	Y	N	N/A	21	5 141.		0
toinquisited by.	Dale	1 11116		Received by.						Date	,		C	ontaine	ers				TA	T: 24⊦	IR 481	IR \$-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 cout of law

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	Date	Arsenic
Number	Analyzed	$(\mu g/L)$
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 list	sted 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

BLT TRUCKING PROJECT ECI Libby Project # L210924-3B Date Received 9/22/21 12:05 3322 South Bay Road NE Olympia, WA 98506 Phone: (360) 352-2110 FAX: (360) 352-4154 Email: libbyenv@gmail.com

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)	2.1	_°C	
8. Temperature of sample(s) (0°C to 8°C recommended)	4.5	5 °C	
9. Did all containers arrive in good condition (unbroken)?	✓ Yes	🗌 No	
10. Is it clear what analyses were requested?	✓ Yes	🗌 No	
11. Did container labels match Chain of Custody?	⊡ Yes	🗌 No	
12. Are matrices correctly identified on Chain of Custody?	☑ Yes	🗌 No	
13. Are correct containers used for the analysis indicated?	☑ Yes	🗌 No	
14. Is there sufficient sample volume for indicated analysis?	✓ Yes	🗌 No	
15. Were all containers properly preserved per each analysis?	✓ Yes	🗌 No	
16. Were VOA vials collected correctly (no headspace)?	☑ Yes	🗌 No	□ N/A
17. Were all holding times able to be met?	☑ Yes	🗌 No	
Discrepancies/ Notes			
18. Was client notified of all discrepancies?	🗌 Yes	🗌 No	✓ N/A
Person Notified:		D	ate:
By Whom:		_	Via:
Regarding:			
19. Comments.			



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,

2 1 Um

Sherry L. Chilcutt Senior Chemist Libby Environmental, Inc.

Libby Environmental, Inc.				Chain of Custody Record										www.Libb	yEnviron	mental.com				
3322 South Bay Road NE	Ph:	360-352-2	110				1	11.	_	1							1.		- 1	
Olympia, WA 98506	Fax:	360-352-4	154			Dat	e: '	.11	1/	21		A			Pag	e:	V		of (
Client: ECL						Pro	ject N	lanag	ger:	K	-0.0	len	R	eel						
Address: P.O. BOX	153					Project Name: BLT Trucking														
city: FOX Island		State: V	VA Zip	: 98333	>	Location: SOID S. 259th St., City, State: BEKENT, WA								A						
Phone:		Fax:				Col	lector	: C	ho	ne	l				Date	e of C	Collec	tion:		
Client Project # 0/011-01-03-02						Em	ail: (Cha	ine	10	all	leci,	con	7	;	K	adt	eneall	leci.c	on
THE BOAT	Death	Time	Sample	Container	5	E LA	augree MICH	2100 2100 5 60 5 60	S PHI		A 10+	SA CAS	8 Merel	\$ 8210 8210 8210 8210 8210 8210 8210 8210	o vo	8210		Field	d Notoo	
	Depth	11me	H	(2) 12 gmber			X			\leq	\times		$\frac{c}{c}$	27 9	7	\leftarrow	f 1	Diccol	u Notes	otals
2 MANIZ	-	12.50	120	(1)500 pumber		fî	1			7	1		Ì	-				on he	old a	ending
3 MAW 3	-	10:30		(2)250mL		++				++	+		\parallel					ana	Lysis	STOTIC
4 MWH	(10:00		(3) VOAS		11							11)	
5 MWS	-	11:45	5			V	V		V	V	V	,	V							
6																				
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Relinquished by:	Relinquished by: Date / Time		Received by:		1	1		D	Date / Time Cooler Temp. °C					°C						
									Sample Temp. °C				°C							
Relinquished by: Date / Time			Received by: Date / Time						Total Number of Containers				TAT	: 24HF	R 48HI	R S-DAK				
LEGAL ACTION CLAUSE: In the event of default of pour	ant and/or failur	n to now Client or	man to now the or	ets of collection including o	out costs and	resconshi	e attornes	fees to t	he deterr	nined by	a court	of law						Distribution:	White Lab	(allow - Originator

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

Sample Description		Method	MW1	MW2	MW3	MW4	MW4 Dup
		Blank					_
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 detec	ted at listed	detection lin	nit.				

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

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

Sample Description		MW5	
Sample Description		101 00 5	
Date Sampled		11/17/2021	
Date Analyzed	PQL	11/19/2021	
,	(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		119	
1,2-Dichloroethane-d4		101	
Toluene-d8		95	
4-Bromofluorobenzene		78	
"nd" Indicates not detec	cted at listed	l detection limit	
"int" Indicates that inter	rference pre	vents determina	ition.

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

ANALYSES PERFORMED BY: Sherry Chilcutt

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

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

Matrix Spike Sample Identification: MW4												
		Date	Analyzed:	11/19/2021	_							
	Spiked	MS	MSD	MS	MSD	RPD	Limits	Data				
	Conc.	Response	Response	Recovery	Recovery		Recovery	Flag				
	(µg/L)	(µg/L)	(µg/L)	(%)	(%)	(%)	(%)					
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 (%)				MS	MSD							
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					

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

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

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

Laboratory Control Sample

ANALYSES PERFORMED BY: Sherry Chilcutt

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

Sample	Date	Surrogate	Diesel	Oil						
Number	Analyzed	Recovery (%)	(µg/L)	$(\mu g/L)$						
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.										

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 42% TO 150%

ANALYSES PERFORMED BY: Randolph Kraus

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

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 de	tected at 1	isted detectio	n limit.							
"int" Indicates that interference prevents determination.										

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

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

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

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 RECOV	ERY LIMI	TS FOR SURR	OGATE 65% TO	0 135%		
ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%						
ACCEPTABLE RPD IS	20%					

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

ANALYSES PERFORMED BY: Sherry Chilcutt

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

Sample	Date	Lead	Cadmium	Chromium	Arsenic		
Number	Analyzed	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$		
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 of Total Metals in Water by EPA Method 7010 Series

ANALYSES PERFORMED BY: Eric Welte

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

Sample	Date	Lead	Cadmium	Chromium	Arsenic
Number	Analyzed	(% Recovery)	(% Recovery)	(% Recovery)	(% 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

BLT TRUCKING PROJECT ECI Libby Project # L211118-5 Date Received 11/18/21 11:18 3322 South Bay Road NE Olympia, WA 98506 Phone: (360) 352-2110 FAX: (360) 352-4154 Email: libbyenv@gmail.com

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



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



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



Case Narrative

WO#: **2111434** Date: **11/24/2021**

CLIENT:Libby EnvironmentalProject: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 & Acronyms



WO#: **2111434** Date Reported: **11/24/2021**

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 Recoverv 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



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
Polyaromatic Hydrocarbons by I	EPA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID:	34538 Analyst: CH
Mercury	ND	0.100		µg/L	1	11/23/2021 2:46:57 PM



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
Polyaromatic Hydrocarbons by I	EPA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID:	34538 Analyst: CH
Mercury	ND	0.100		µg/L	1	11/23/2021 2:48:38 PM



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
Polyaromatic Hydrocarbons by E	EPA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID:	34538 Analyst: CH
Mercury	ND	0.100		µg/L	1	11/23/2021 2:50:19 PM


Analytical Report

Work Order: **2111434** Date Reported: **11/24/2021**

Client: Libby Environmental				Collection	n Dat	e: 11/17/2021 10:00:00 AM
Project: BLT Trucking						
Lab ID: 2111434-004				Matrix: W	/ater	
Client Sample ID: MW4						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by I	EPA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID:	34538 Analyst: CH
Mercury	ND	0.100		µg/L	1	11/23/2021 2:52:01 PM



Analytical Report

Work Order: **2111434** Date Reported: **11/24/2021**

Client: Libby Environmental				Collection	n Dat	e: 11/17/2021 11:45:00 AM
Project: BLT Trucking						
Lab ID: 2111434-005				Matrix: W	/ater	
Client Sample ID: MW5						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by	EPA Method	<u>8270 (SIM)</u>		Batc	h 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				Batc	h ID:	34538 Analyst: CH
Mercury	ND	0.100		µg/L	1	11/23/2021 2:57:06 PM



Work Order: CLIENT: Project:	2111434 Libby Enviro BLT Truckin	nmental g					QC SUMMARY REPORT Mercury by EPA Method 245.1
Sample ID: MB-34	538	SampType: MBLK			Units: µg/L	Prep Date: 11/23/2021	RunNo: 71515
Client ID: MBLK	W	Batch ID: 34538				Analysis Date: 11/23/2021	SeqNo: 1456843
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Re	f Val %RPD RPDLimit Qual
Mercury		ND	0.100				
Sample ID: LCS-3	4538	SampType: LCS			Units: µg/L	Prep Date: 11/23/2021	RunNo: 71515
Client ID: LCSW	1	Batch ID: 34538				Analysis Date: 11/23/2021	SeqNo: 1456844
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Re	f Val %RPD RPDLimit Qual
Mercury		2.28	0.100	2.500	0	91.2 85 115	
Sample ID: 21114	24-001EDUP	SampType: DUP			Units: µg/L	Prep Date: 11/23/2021	RunNo: 71515
Client ID: BATC	н	Batch ID: 34538				Analysis Date: 11/23/2021	SeqNo: 1456846
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Re	f Val %RPD RPDLimit Qual
Mercury		ND	0.100				0 20
Sample ID: 21114	24-001EMS	SampType: MS			Units: µg/L	Prep Date: 11/23/2021	RunNo: 71515
Client ID: BATC	н	Batch ID: 34538				Analysis Date: 11/23/2021	SeqNo: 1456847
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Re	f Val %RPD RPDLimit Qual
Mercury		2.48	0.100	2.500	0	99.2 70 130	
Sample ID: 21114	24-001EMSD	SampType: MSD			Units: µg/L	Prep Date: 11/23/2021	RunNo: 71515
Client ID: BATC	н	Batch ID: 34538				Analysis Date: 11/23/2021	SeqNo: 1456848
Analyte		Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Re	f Val %RPD RPDLimit Qual
Mercury		2.34	0.100	2.500	0	93.6 70 130 2	2.480 5.81 20

Fremont
Analytical

Work Order:	2111434									00.9			PORT	
CLIENT:	Libby Enviro	nmental					_	_						
Project:	BLT Trucking Polyaromatic Hydrocarbons b											thod 827	0 (SIM)	
Sample ID: MB-34530 SampType: MBLK						Units: µg/L		Prep Dat	te: 11/22/2	021	RunNo: 71533			
Client ID: MBLK	W Batch ID: 34530							Analysis Da	te: 11/23/2	021	SeqNo: 1457108			
Analyte		I	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)fluoranthe	ene		ND	0.0995										
Benzo(k)fluoranthe	ene		ND	0.0995										
Benzo(a)pyrene			ND	0.0995										
Indeno(1,2,3-cd)py	rene		ND	0.0995										
Dibenz(a,h)anthrac	cene		ND	0.0995										
Surr: 2-Fluorobip	ohenyl		1.93		1.990		96.9	49.6	128					
Surr: Terphenyl-	d14		1.99		1.990		99.9	38.2	138					
Sample ID: LCS-34	4530	SampType	: LCS			Units: µg/L		Prep Dat	te: 11/22/2	021	RunNo: 71	533		
Client ID: LCSW	,	Batch ID:	34530					Analysis Da	te: 11/23/2	021	SeqNo: 14	57109		
Analyte		I	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)fluoranthe	ene		2.94	0.100	4.002	0	73.5	45.3	109					
Benzo(k)fluoranthe	ene		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)py	rene		2.54	0.100	4.002	0	63.4	35.7	108					
Dibenz(a,h)anthrac	ene		2.65	0.100	4.002	0	66.1	36.9	111					
Surr: 2-Fluorobip	ohenyl		2.00		2.001		100	49.6	128					
Surr: Terphenyl-	d14		2.04		2.001		102	38.2	138					
Sample ID: LCSD-	-34530	SampType	: LCSD			Units: µg/L		Prep Dat	te: 11/22/2	021	RunNo: 71	533		
Client ID: LCSW	02	Batch ID:	34530					Analysis Da	te: 11/23/2	021	SeqNo: 14	57110		
Analyte		I	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benz(a)anthracene	9		3.36	0.0997	3.989	0	84.1	53.4	115	2.891	14.9	30		

Fremont
Analytical

Work Order:	2111434									QC S	SUMMA	RY REF	PORT
CLIENI:		onmental					Ро	lyaroma	tic Hydr	ocarbons b	y EPA Me	thod 827	0 (SIM)
	DLI IIUCKI	SampType				Unite: uall		Pren Da	to: 11/22/2	0021	RunNo: 71	522	. ,
		Samprype	5. LC3D			οπιs. μg/ L							
Client ID: LCSV	W02	Batch ID:	34530					Analysis Da	te: 11/23/2	2021	SeqNo: 14	57110	
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)fluoranth	nene		3.49	0.0997	3.989	0	87.5	45.3	109	2.941	17.0	30	
Benzo(k)fluoranth	iene		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)p	yrene		3.08	0.0997	3.989	0	77.1	35.7	108	2.537	19.2	30	
Dibenz(a,h)anthra	acene		3.22	0.0997	3.989	0	80.7	36.9	111	2.647	19.5	30	
Surr: 2-Fluorob	piphenyl		2.11		1.994		106	49.6	128		0	0	
Surr: Terpheny	l-d14		2.16		1.994		108	38.2	138		0	0	
Sample ID: 21114	429-001CMS	SampType	e: MS			Units: µg/L		Prep Da	te: 11/22/2	2021	RunNo: 71	533	
Client ID: BATC	СН	Batch ID:	34530					Analysis Da	te: 11/23/2	2021	SeqNo: 14	57112	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracen	ie		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)fluoranth	nene		3.34	0.0996	3.985	0	83.9	24.3	119				
Benzo(k)fluoranth	iene		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)p	byrene		2.91	0.0996	3.985	0	73.0	19.3	118				
Dibenz(a,h)anthra	acene		3.06	0.0996	3.985	0	76.9	19.5	122				
Surr: 2-Fluorob	piphenyl		2.13		1.992		107	49.6	128				
Surr: Terpheny	′l-d14		2.17		1.992		109	38.2	138				



Sample Log-In Check List

Client Name: LIBBY		Work Order Numb	oer: 2111434	
Logged by: Gabrielle C	coeuille	Date Received:	11/19/202	1 11:51:00 AM
Chain of Custody				
1. Is Chain of Custody comp	lete?	Yes 🖌	No 🗌	Not Present
2. How was the sample delive	vered?	<u>Client</u>		
<u>Log In</u>				
3. Coolers are present?		Yes 🗸	No 🗌	NA 🗌
4. Shipping container/cooler	in good condition?	Yes 🖌	No 🗌	
 Custody Seals present on (Refer to comments for C 	shipping container/cooler? ustody Seals not intact)	Yes	No 🗌	Not Present 🗹
6. Was an attempt made to	cool the samples?	Yes 🗹	No 🗌	NA 🗌
7. Were all items received a	t a temperature of >2°C to 6°C *	Yes 🖌	No 🗌	
8. Sample(s) in proper conta	iner(s)?	Yes 🔽	No 🗌	
9. Sufficient sample volume	for indicated test(s)?	Yes 🗹	No 🗆	
10. Are samples properly pres	served?	Yes 🖌	No 🗌	
11. Was preservative added t	o bottles?	Yes	No 🔽	NA 🗌
12. Is there headspace in the	VOA vials?	Yes	No 🗌	NA 🗹
13. Did all samples container	s arrive in good condition(unbroken)?	Yes 🗹	No 🗌	
14. Does paperwork match be	ottle labels?	Yes 🗹	No 🗌	
15. Are matrices correctly ide	ntified on Chain of Custody?	Yes 🖌	No 🗌	
16. Is it clear what analyses v	vere requested?	Yes 🖌	No 🗌	
17. Were all holding times ab	le to be met?	Yes 🗹	No 🗌	
Special Handling (if app	licable)			
18. Was client notified of all d	iscrepancies with this order?	Yes	No 🗌	NA 🗹
Person Notified:	Date			
By Whom:	Via:	eMail Pho	one 🗌 Fax [In Person
Regarding:				
Client Instructions:				

Item Information

Item #	Temp ⁰C
Sample 1	4.7

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

Libby Environme	ental, In	IC.		CI	nain	of Cu	ustoc	iy F	Reco	ord	t t				www.LibbyEnvironn	nental.com
3322 South Bay Road NE	Ph:	360-352-2	2110			20.5	8.2	0	21						2111434	. 1
Olympia, WA 98506	Fax:	360-352-4	1154			Date:	: 11-	- 16	- 01	-		Pa	ge:		of	
Client: Libby En	circonnect	ol, In	2 -			Project Manager: Kedy Eley								4		
Address: SEE AF	SENE					Project Name: BLT Trucking										
City:		State:	Zip	c		Loca	tion:					Cit	y, Stat	te: 🁔	int, was	ge 1
Phone:		Fax:				Colle	ctor:					Da	te of C	Collec	tion: 11-17-2	Pa
Client Project # L211118-	3					Emai	it: 15	ibby	eng	Par	nuil.com		_			
Sample Number	Depth	Time	Sample Type	Container Type	100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	101-07-00 101-07-00 510-07-00-00 510-07-00-00	200 Line	SC CO	4 68 17	5 48 3 4	210 214 820 3 24 520 3	150 1.51 1.51	\$	Field Notes	
1 110		1250	H-10	Aber/Paly							×	X				
2 MWZ		1340		0							\times	×	\$			
3 MWB		1030									\times		:			
4 MW4		1000									$ $ \times	X				
5 MWS		1145									×	×	<			
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Relinquished by		11-18-	Date / Time こ)	e Received by: Wealth				1	Date / T	ime 5)	Samp Good Condition	le Receij	pt N	Ren	TO TAT	
Relinguished by			Date / Time	e Received by:				t	Date / T	ime	Cooler Temp. Sample Temp		°C °C		12	
Relinquished by:			Date / Tim	e Received by:				(Date / T	ime	Total Number Containers	of		TA	T: 24HR 48HF	S-DAY