

June 10, 2016

ECI Project Number: 0611-01-01

Mr. Preet Chohan BLT Transport LLC 8010 South 259th Street Kent, WA 98032

Re: Focused Subsurface Investigation 8010 South 259th Street Kent, Washington 98302

Mr. Chohan:

Pursuant to your recent request, EcoCon, Inc. (ECI) completed a Focused Subsurface Investigation (FSI) for the property located at 8010 South 259th Street in Kent, Washington (the Property) (Figure 1, Appendix A). This FSI was conducted to evaluate the environmental quality of soil and groundwater due to the historical land use of the Property as an automobile wrecking yard. A cursory review of historical aerial photographs shows the Subject Property occupied with what is presumed to be automobiles through 1994. Subsequent aerial photographs show the property as cleared and vacant or with sporadic vehicles parked throughout. ECI understand that there may have been some site work that included "cleanup" following the automobile wrecking yards' removal. However, as of this current assessment, no additional information was available.

This report details site activities and observations, sampling activities, chemical analysis, and provides conclusions and recommendations for the Property. The approved scope of work for this project was:

- Development of a site work plan;
- Public and Private utility location of the Property;
- Preparation of site-specific Health and Safety Plan (HASP);
- Clearing of proposed boring locations utilizing surface geophysical and electromagnetic techniques to identify subsurface utilities and site improvements;
- Collection and laboratory analysis of soil and groundwater samples; and
- Preparation of this report.

Appended to this report are the following:

• Appendix A: Project Figures;

- Appendix B: Project Tables;
- Appendix C: Project Analytical Results;
- Appendix D: Boring Logs

Property Location & Description

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 for industrial purposes. The lot is currently a gravel-covered dispatch, staging, and service yard for BLT Transport LLC that has been improved with a trailer used for office purposes.

Physical Setting

According to the USGS, Auburn, WA topographic map (2014), the Property lies on the floodplain of the Green River, with a central elevation at approximately 30 feet above mean sea level (NAD83/WGS84). The ground surface (or topography) at the Property is generally flat, located between the beginning and end of a significant meander of the Green River (which surrounds the southern portion of the city of Kent). The vicinity of the Property gradually slopes towards the Green River to the southeast and west-southwest. (Figure 2, Appendix A).

The primary aquifers in the Puget Sound region are typically 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.

During ECI's investigation, soil on the Subject Property was generally characterized as fine grained siltysand to clean sand to the maximum depth explored of 15 feet below ground surface (bgs).

Regulatory Compliance

Regulatory compliance for this project is based on the State of Washington Department of Ecology (Ecology) Model Toxic Control Act (MTCA) Method A Groundwater Cleanup Level and MTCA Method A Soil Cleanup Level for Industrial Properties (MTCA-A) – WAC 173-340-900 – Tables 720-1 and 745-1.

Contaminants of Concern (COCs)

Based on historical information gathered for the Property, the contaminants of concern (COCs) include: petroleum hydrocarbons gasoline-range organics (GRO), diesel-range organics (DRO) and oil-range organics (ORO).

Contaminant concentrations will be compared to the MTCA Method-A Cleanup Levels for soil and groundwater presented below.

Primary	Contaminants of Concern	
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•	els (MTCA-A) for Soil (Industrial) gulation 173-340-900: Tables 72	
Contaminant of Concern (COCs)	Soil Cleanup Levels - mg/kg	Groundwater Cleanup Levels - μg/l
Diesel Range Organics (DRO)	2,000	500
Oil Range Organics (ORO)	2,000	500
Gasoline Range Organics (GRO)	100/30 ¹	1,000/800 ²

Sampling Activities

Pre-Site Work Activities

Prior to subsurface work the "call before you dig service" (811) was called 48 hours in advance of site activities to identify public underground utilities. Additionally, Mountain View Locating Services of Bonney Lake, WA, completed a private subsurface utility survey using surface geophysical and electromagnetic techniques to ensure that no subsurface improvements were contacted during the subsurface investigation.

Site Work and Sample Collection – May 16

On May 16, 2016, Standard Environmental Probe of Tumwater, Washington, advanced eight (8) borings (B1 through B8) using direct push drilling techniques under the supervision of an ECI environmental professional (Figure 3, Appendix A). The Property was subdivided into eight (8) equal sections, with one boring placed in each section at a location chosen through random selection. One (1) soil sample was collected from each of the borings B1 through B8 at depths between 2 and 4 feet bgs.

Undisturbed soil samples were collected directly from the macro-core samplers extracted from the borings. Samples were transferred into new laboratory-provided analyte specific sample containers and assigned a unique sample ID. Additional samples from each location were collected using the EPA Method 5035 sampling procedures should volatile organic compounds (VOCs).

Groundwater was encountered in the borings at approximately 7-7.5 feet bgs. Groundwater samples were collected from each boring using industry standard techniques, which included the use of low flow sampling equipment and disposable (single use) polyethylene and silicon tubing.

¹ Gasoline Range Organics: Gasoline mixtures without benzene and the total of ethylbenzene, toluene and xylene are less than 1% of the gasoline mixture has a soil CUL = 100 mg/kg. All other gasoline mixtures have a soil CUL = 30 mg/kg. For groundwater, the CUL is 1,000 ug/l for gasoline mixtures without benzene and 800 ug/l for all other gasoline mixtures.

Soil and groundwater samples were placed in a climate controlled container and maintained at or below 4° Celsius until they were delivered to an Ecology-accredited laboratory, Friedman & Bruya, of Seattle, Washington, under industry standard chain of custody protocol.

Soil Analytical Results

Eight (8) soil samples were submitted to the laboratory and analyzed for petroleum hydrocarbons by NWTPH-HCID to determine the presence of gasoline-range, diesel-range and oil-range organics in the samples.

Four (4) of the soil samples contained detectable concentrations of oil-range organics in excess of the laboratory method reporting limit. Gasoline-range and diesel-range organics were not detected above the laboratory reporting limits in any of the soil samples when using method NWTPH-HCID. The four soil samples with detectable oil-range organics were analyzed using NWTPH-Dx Extended to determine the concentrations of the detected hydrocarbons. Oil-range organics were identified at concentrations exceeding the MTCA Method A Cleanup Levels in samples B2-3 and B3-3. No other samples were found to have hydrocarbon contaminants above their respective MTCA Method A Cleanup Levels.

Based on these results, ECI recommended further analysis of select samples for contaminants required by MTCA Table 830-1, including carcinogenic polycyclic aromatic hydrocarbons (cPAHs), polychlorinated biphenyls (PCBs), select heavy metals (arsenic, cadmium, chromium, mercury, and lead), and chlorinated VOCs. None of these COCs were detected at concentrations above their respective MTCA Method A Soil Cleanup Levels for Industrial Properties.

A summary of the laboratory analytical results is provided on Table 1 in Appendix B.

Groundwater Analytical Results

Eight (8) groundwater samples were submitted to the laboratory and analyzed for:

- Petroleum hydrocarbons by MWTPH-HCID
- ORO by NWTPH-Dx Extended;

Three (3) of the groundwater samples contained detectable concentrations of oil-range organics using the NWTPH-HCID screening method. Gasoline-range and diesel-range organics were not detected in any of the groundwater samples. The samples with detectable oil-range organics were analyzed again using NWTPH-Dx Extended with silica gel cleanup to determine the concentrations of the detected hydrocarbons. Using this method, samples were reported with non-detectable concentrations of both oil-range and diesel-range organics.

Additional Assessment – Test Pits

Based on the results of the initial investigation, ECI recommended additional assessment to further delineate the extent of the contamination identified in the northern portion of the Property. On June 1, 2016, eight (8) test pits (TP9-TP16) were excavated at locations chosen to best characterize the contaminants identified during the sampling of the soil borings. Two soil samples were collected from each of the test pits from depths of approximately 3 feet and 6 feet bgs. The locations of the test pits are depicted on Figure 3 in Appendix A.

Soil samples were placed in a climate controlled container and maintained at or below 4° Celsius until they were delivered to an Ecology-accredited laboratory, Friedman & Bruya, of Seattle, Washington, under industry standard chain of custody protocol.

Soil Analytical Results

Ten (10) soil were analyzed for petroleum hydrocarbons by NWTPH-Dx to determine the lateral and vertical extent of contamination.

Four of the ten soil samples contained detectable concentrations of diesel- and or oil-range organics, however these concentrations were below the MTCA Method A Cleanup Level for Industrial Land Use. All four of these samples were collected at a depth of approximately 3 feet below ground surface. Soil samples collected from 6 feet below ground surface did not contain any detectable concentrations of diesel- or oil-range organics. It should be noted that the detectable concentrations of diesel-range organics were flagged by the laboratory as not indicative of the fuel standard used for quantification, and was likely carry over from the oil-range.

A summary of the laboratory analytical results is provided on Table 1 in Appendix B.

Summary and Conclusions

On May 16 and June 1, 2016, eighteen (18) soil samples and eight (8) groundwater samples were collected from eight (8) borings and eight (8) test pits advanced on the Property. The samples were collected to assess potential environmental impacts resulting from the previous use of the Property as an automobile wrecking yard, identified in a Phase I ESA completed by Aerotech Environmental in 2015.

Eight (8) of the soil samples contained detectable concentrations of diesel- and/or oil-range organics in excess of the laboratory method reporting limit; two of which contained concentrations above the MTCA Method A Cleanup Level for Industrial Land Use. Gasoline-range organics were not detected above the laboratory reporting limits in any of the soil samples.

Three (3) of the groundwater samples contained detectable concentrations of oil-range organics in excess of the laboratory method reporting limit using Method NWTPH-HCID, however these concentrations were less than the laboratory reporting limit using Method NWTPH-Dx.

Based on these results, it appears that the historical land use of the Property as an automobile wrecking yard has resulted in the release of oil-range hydrocarbons onto surface soil in the northern portion of the Property, likely due to drips and spills. Contamination appears to be limited to soil at depths between approximately 2 and 3 feet below ground surface. ECI understands that clean surface rock had been brought onto the Property in recent history, which would explain why the contamination was not observed at the immediate surface. ECI recommends that soil containing concentrations in excess of the MTCA Method A Cleanup Level for Industrial Land use be excavated, removed from the Property, and disposed of at an appropriate Subtitle D Landfill.

ECI appreciates the opportunity to provide environmental consulting services on this project. Should you have any questions, please contact our office at (253) 238-9270.

Respectfully submitted, EcoCon, Inc. | Environmental Services

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K. Craig Klein 🖌 Sr. Environmental Geologist

Brian A. Dixon

Vice President/ Sr. Environmental Scientist

Qualifications of This Report

Although this Focused Subsurface Investigation has been a reasonably thorough attempt to investigate the potential presence of contamination, there is always the possibility that additional sources of contamination have escaped detection due to the limitations of this study, the inaccuracy of governmental records, and the presence of undetected and unreported environmental incidents. ECI reserves the right to alter our findings based on our review of any information obtained and reviewed after the date of this report.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar conditions, by reputable environmental consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional information included in this report. Should you have any questions regarding this report, please contact our office at (253) 238-9270.

List of Appendices

Appendix A: Project Figures

- Figure 1: Project Location Map
- Figure 2: Project Topographic Map
- Figure 3: Boring Location Map
- Figure 4: Project Photographs

Appendix C: Project Tables

- Table 1: Summary of Soil Analytical Results
- Table 2: Summary of Groundwater Analytical Results

Appendix C: Project Analytical Results

- Laboratory Analytical Report
- Sample Chain of Custody

Appendix D: Boring Logs

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Page 7

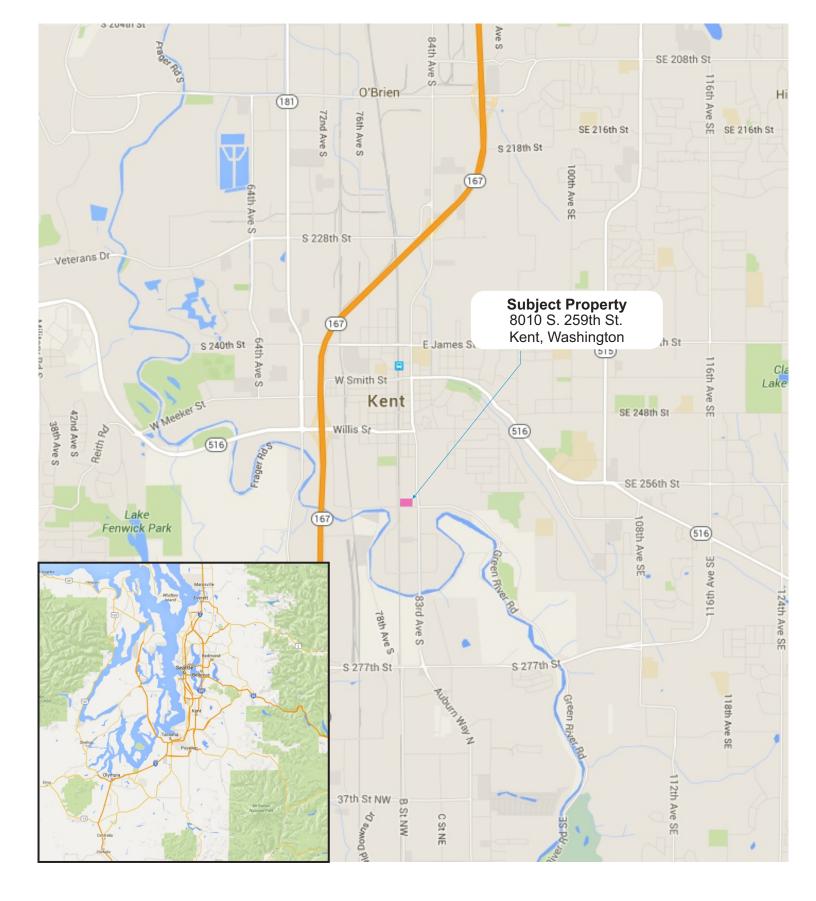
June 10, 2016

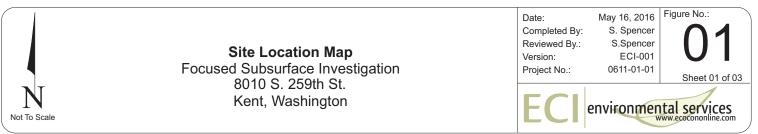
Appendix A

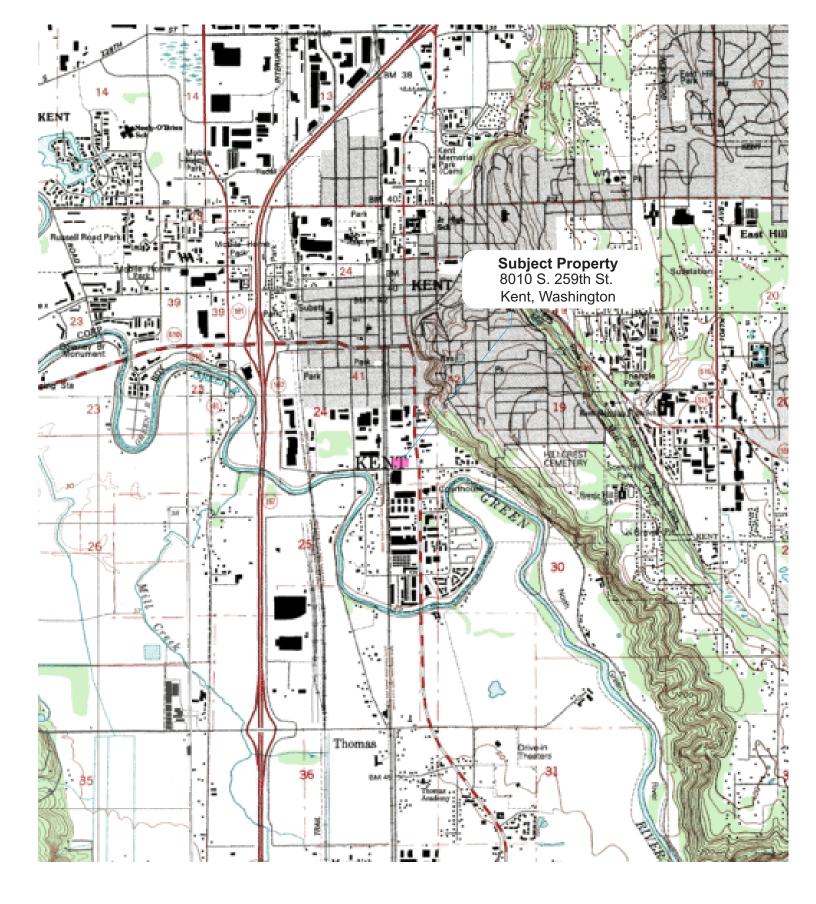
Project Figures

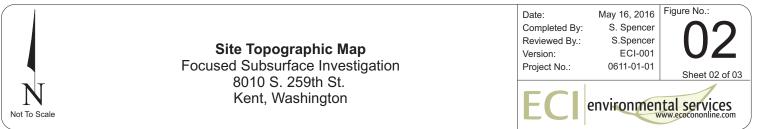
Figure 1: Project Location Map Figure 2: Project Topographic Map Figure 3: Boring Location Map Figure 4: Project Photographs

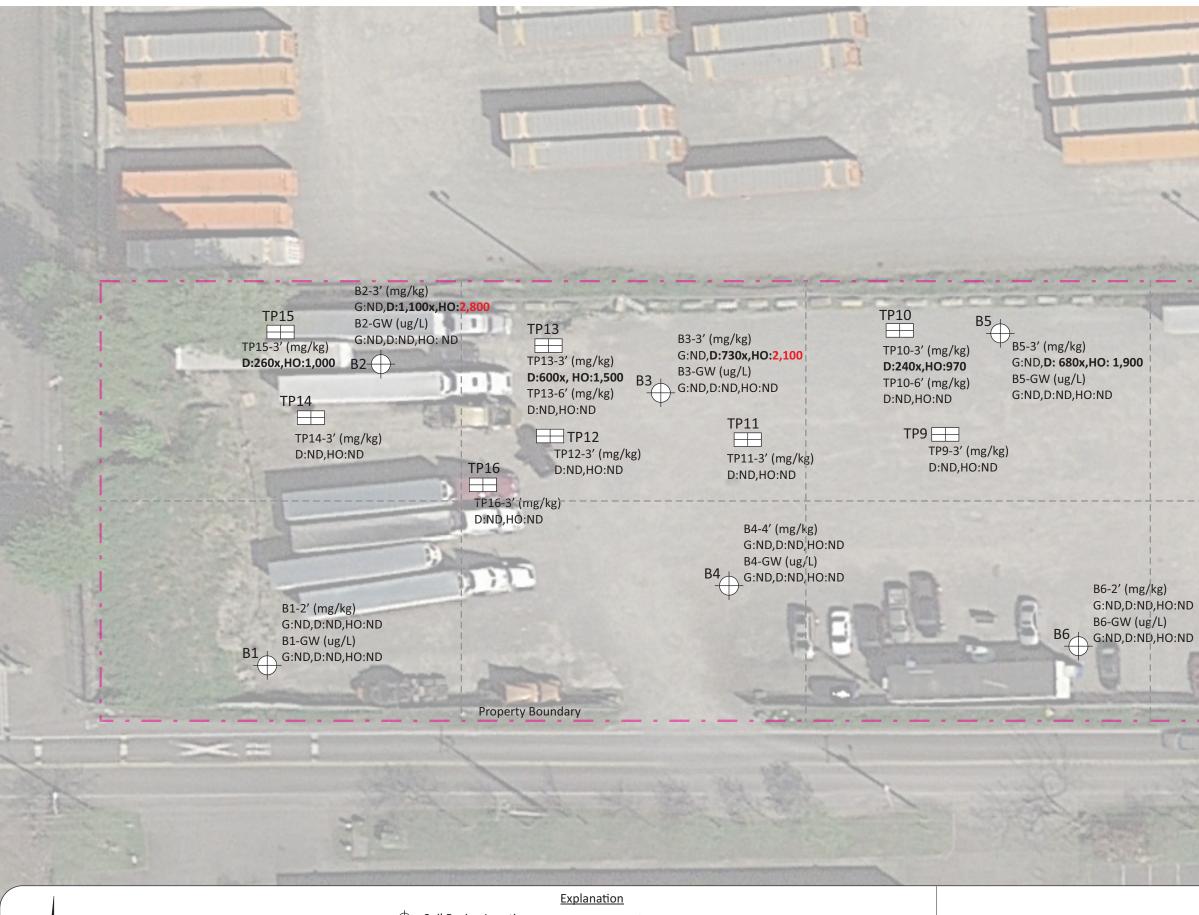


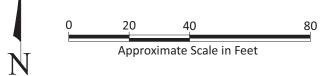












 \oplus : Soil Boring Location G: Gasoline Range Organics D: Diesel Range Organics HO: Heavy Oil Range Organics

mg/Kg: milligram per kilogram ug/L: microgram per liter ND: Not detected above laboratory reporting limit

Boring / Sample Location Map Focused Subsurface Investigation 8010 S. 259th St. Kent, Washington

B8-2' (mg/kg) G:ND,D:ND,HO:ND B8-GW (ug/L) G:ND,D:ND,HO:ND B8 B7-2.5' (mg/kg) G:ND,D: 78x,HO: 350 B7-GW (ug/L) B7 G:ND,D:ND,HO:ND . May 16, 2016 Figure No. Date: S. Spencer Completed By: Reviewed By .: S.Spencer

Version: Project No.

ECI-001 0611-01-01

Sheet 03 of 03



Appendix B

Project Tables

Table 1: Summary of Soil Analytical ResultsTable 2: Summary of Groundwater Analytical Results

Appendix B Project Tables



Table 1: Summary of Soil Analytical Results

Sample ID	Sample Depth (feet bgs)	Gasoline-Range Organics	Diesel-Range Organics	Oil-Range Organics	cPAHs	PCB Mixtures	cVOCs	Arsenic	Cadmium	Chromium (Total)	Chromium VI	Mercury	Lead
					Sampl	e Results ir	n milligram	s per kilogi	ram (mg/k	g)			
B1-2	2	<20	<50	<250									
B2-3	3	<20	1,100	2,800	0.045	5.7	ND	5.7	5.17	228	<0.548	<1	470
B3-3	3	<20	730	2,100									
B4-4	4	<20	<50	<250									
B5-3	3	<20	680	1,900									
B6-2	2	<20	78	350									
B7-2.5	2.5	<20	<50	<250									
B8-2	2	<20	<50	<250									
TP9-3	3		<50	<250									
TP10-3	3		240x	970									
TP10-6	6		<50	<250									
TP11-3	3		<50	<250									
TP12-3	3		<50	<250									
TP13-3	3		600x	1,500									
TP13-6	6		<50	<250									
TP14-3	3		78	350									
TP15-3	3		260x	1,000									
TP16-2.5	2.5		<50	<250									
Laboratory Method R	eporting Limit	20	50	250	0.01	0.2	Varies	1	1	5	0.548	1	1
MTCA-A Industrial (Cleanup Levels	100/30	2,000	2,000	2 ¹	10	Varies	20	2	2,000 ²	19	2	1,000

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

² : Cleanup Level for Chromium III

ND: Not detected above laboratory reporting limit

Table 2: Summary of Groundwater Analytical Results

Sample ID Sample (feet bas)		Gasoline-Range Organics	Diesel-Range Organics	Oil-Range Organics
	(feet bgs)	Sample Res	ults in micro	ograms per
	, <i>o,</i>		liter (µg/L)	
B1-GW-7	7	<200 <50 <500		
B2-GW-7.5	7.5	<200	<50	<250
B2-GW-7.5 B3-GW-7.5	7.5 7.5	<200 <200	<50 <50	<250 <250
	-			
B3-GW-7.5	7.5	<200	<50	<250
B3-GW-7.5 B4-GW-7	7.5 7	<200 <200	<50 <50	<250 <250
B3-GW-7.5 B4-GW-7 B5-GW-7.5	7.5 7 7.5	<200 <200 <200	<50 <50 <500	<250 <250 <500
B3-GW-7.5 B4-GW-7 B5-GW-7.5 B6-GW-7	7.5 7 7.5 7	<200 <200 <200 <200	<50 <50 <500 <500	<250 <250 <500 <500
B3-GW-7.5 B4-GW-7 B5-GW-7.5 B6-GW-7 B7-GW-7	7.5 7 7.5 7 7 7 7 7.5	<200 <200 <200 <200 <200	<50 <50 <500 <500 <500	<250 <250 <500 <500 <500

Appendix C

Project Analytical Results



ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

May 25, 2016

Craig Klein, Project Manager EcoCon, Inc. PO Box 153 Fox Island, WA 98333

Dear Mr. Klein:

Included are the results from the testing of material submitted on May 16, 2016 from the BLT Transport, F&BI 605288 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

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Michael Erdahl Project Manager

Enclosures c: invoices@ecocononline.com, Steve Spencer, Brian Dixon EMS0525R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 16, 2016 by Friedman & Bruya, Inc. from the EcoCon BLT Transport, F&BI 605288 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	EcoCon
605288 -01	B1-GW-7
605288 -02	B2-GW-7.5
605288 -03	B3-GW-7.5
605288 -04	B4-GW-7
605288 -05	BG-GW-7.5
605288 -06	B6-GW-7
605288 -07	B7-GW-7
605288 -08	B8-GW-7.5

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/25/16 Date Received: 05/16/16 Project: BLT Transport, F&BI 605288 Date Extracted: 05/17/16 Date Analyzed: 05/17/16

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	Surrogate <u>(% Recovery)</u> (Limit 56-165)
B1-GW-7 605288-01	ND	ND	ND	96
B2-GW-7.5 605288-02	ND	ND	D	84
B3-GW-7.5 605288-03	ND	ND	D	93
B4-GW-7 605288-04	ND	ND	D	93
BG-GW-7.5 605288-05	ND	ND	ND	100
B6-GW-7 605288-06	ND	ND	ND	97
B7-GW-7 605288-07	ND	ND	ND	100
B8-GW-7.5 605288-08	ND	ND	ND	102
Method Blank 06-994 MB	ND	ND	ND	98

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/25/16 Date Received: 05/16/16 Project: BLT Transport, F&BI 605288 Date Extracted: 05/17/16 Date Analyzed: 05/19/16

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	Diesel Range (C10-C25)	Motor Oil Range (C25-C36)	Surrogate <u>(% Recovery)</u> (Limit 41-152)
B2-GW-7.5 605288-02	<50	<250	96
B3-GW-7.5 605288-03	<50	<250	96
B4-GW-7 605288-04	<50	<250	105
Method Blank 06-994 MB	<50	<250	98

ENVIRONMENTAL CHEMISTS

Date of Report: 05/25/16 Date Received: 05/16/16 Project: BLT Transport, F&BI 605288

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel Percent Percent Recovery RPD Reporting Spike Recovery Acceptance Analyte Units Level LCS LCSD Criteria (Limit 20) Diesel Extended 2,500 63-142 2 ug/L (ppb) 90 92

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Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

 ${\bf b}$ - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

 ${\rm ip}$ - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

 ${\rm J}$ - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

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Notes	HCID Druls6.	SVOCs by 8270 HFS	VOCs by8260	BTEX by 8021B	TPH-Gasoline	TPH-Diesel	# of containers	Sample Type co		Time Sampled	Date Sampled	Lab ID		Sample ID	7
	ANALYSES REQUESTED	NALYSE	$\left \right\rangle$												
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

June 9, 2016

Craig Klein, Project Manager EcoCon, Inc. P.O. Box 153 Fox Island, WA 98333

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FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: invoices@ecocononline.com, Brian Dixon, Steve Spencer EMS0609R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

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<u>Laboratory ID</u>	<u>EcoCon</u>
606019 -01	TP9-3
606019 -02	TP9-6
606019 -03	TP10-3
606019 -04	TP10-6
606019 -05	TP11-3
606019 -06	TP11-6
606019 -07	TP12-3
606019 -08	TP12-6
606019 -09	TP13-3
606019 -10	TP13-6
606019 -11	TP14-3
606019 -12	TP14-6
606019 -13	TP15-3
606019 -14	TP15-6
606019 -15	TP16-2.5
606019 -16	TP16-6

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/09/16 Date Received: 06/01/16 Project: BLT Transport 0611-01-01, F&BI 606019 Date Extracted: 06/02/16 and 06/03/16 Date Analyzed: 06/02/16 and 06/03/16

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

Surrogato

<u>Sample ID</u> Laboratory ID	Diesel Range (C ₁₀ -C ₂₅)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate <u>(% Recovery)</u> (Limit 48-168)
TP9-3 606019-01	<50	<250	104
TP10-3 606019-03	240 x	970	105
TP10-6 606019-04	<50	<250	107
TP11-3 606019-05	<50	<250	95
TP12-3 606019-07	<50	<250	101
TP13-3 606019-09	600 x	1,500	102
TP13-6 606019-10	<50	<250	108
TP14-3 606019-11	<50	<250	103
TP15-3 606019-13	260 x	1,000	102

ENVIRONMENTAL CHEMISTS

Date of Report: 06/09/16 Date Received: 06/01/16 Project: BLT Transport 0611-01-01, F&BI 606019 Date Extracted: 06/02/16 and 06/03/16 Date Analyzed: 06/02/16 and 06/03/16

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C10-C25)	Motor Oil Range (C25-C36)	Surrogate <u>(% Recovery)</u> (Limit 48-168)
TP16-2.5 606019-15	<50	<250	108
Method Blank 06-1123 MB	<50	<250	101
Method Blank 06-1136 MB	<50	<250	120

ENVIRONMENTAL CHEMISTS

Date of Report: 06/09/16 Date Received: 06/01/16 Project: BLT Transport 0611-01-01, F&BI 606019

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 606031-01 (Matrix Spike)

			Sample	Percent	Percent		
	Reporting	Spike	Result	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	(Wet Wt)	MS	MSD	Criteria	(Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	96	95	63-146	1
Laboratory Code: La	aboratory Control	Sample					
			Percent				
	Reporting	Spike	Recovery	Accept	tance		
Analyte	Units	Level	LCS	Crite	eria		
Diesel Extended	mg/kg (ppm)	5,000	109	79-1	44		

ENVIRONMENTAL CHEMISTS

Date of Report: 06/09/16 Date Received: 06/01/16 Project: BLT Transport 0611-01-01, F&BI 606019

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 606043-01 (Matrix Spike)

			Sample Percent		Percent		
	Reporting	Spike	Result	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	(Wet Wt)	MS	MSD	Criteria	(Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	119	119	63-146	0
Laboratory Code: La	aboratory Control	l Sample					
			Percent				
	Reporting	Spike	Recovery	Accept	tance		
Analyte	Units	Level	LCS	Crite	eria		
Diesel Extended	mg/kg (ppm)	5,000	119	79-1	44		

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

 ${\bf b}$ - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

 $\ensuremath{\mathsf{ca}}$ - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

 ${\rm J}$ - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

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Will call with instructions												#	10 Fax #	Phone # 253 238 -9270
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	Ð	ANALYSES REQUESTED	ES REC	ISAT	NA											
□ Will call with instructions	D Will ca													#	Fax #	Phone # (25) 252 -9270 (805) 612 - 3763
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1/ 16 Eus	06-10	МE	>	L	i F	DY	TO	Sn	FC	AIN OI	E CH	SAMPLE CHAIN OF CUSTODY			~	606019



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

Friedman & Bruya Michael Erdahl 3012 16th Ave. W. Seattle, WA 98119

RE: 605287 Lab ID: 1605396

June 06, 2016

Attention Michael Erdahl:

Fremont Analytical, Inc. received 1 sample(s) on 5/31/2016 for the analyses presented in the following report.

Hexavalent Chromium by EPA Method 7196 Sample Moisture (Percent Moisture)

This report consists of the following:

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

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

Thank you for using Fremont Analytical.

Sincerely,

And c. Rady

Mike Ridgeway President



CLIENT: Project: Lab Order:	Friedman & Bruya 605287 1605396	Work Order S	Sample Summary
Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1605396-001	B2-3	05/16/2016 9:53 AM	05/31/2016 3:42 PM



Case Narrative

WO#: **1605396** Date: **6/6/2016**

CLIENT:Friedman & BruyaProject:605287

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#: **1605396** Date Reported: **6/6/2016**

Qualifiers:

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

Acronyms:

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



Analytical Report

WO#: **1605396** Date Reported: **6/6/2016**

	Friedman & Bruya		Collection Date: 5/16/2016 9:53:00 AM						
Project: Lab ID: Client Sa	605287 1605396-001 ample ID: B2-3				Matrix: So	oil			
Analyses	5	Result	RL	Qual	Units	DF	Date Analyzed		
<u>Sample</u>	Moisture (Percent Moiste	<u>ure)</u>			Batch	n ID: F	R29710 Analyst: BB		
Percent	Moisture	9.82	0.500		wt%	1	6/2/2016 11:36:43 AM		
<u>Hexaval</u>	ent Chromium by EPA M	<u>ethod 7196</u>			Batch	n ID: 1	13907 Analyst: KT		
Chromiu	m, Hexavalent	ND	0.548		mg/Kg-dry	1	6/6/2016 2:00:00 PM		



Work Ord	der:	1605396								QCS	SUMMA	RY REF	POR
CLIENT:		Friedman	& Bruya					U	oxoval	ent Chrom	ium hy ED	A Motho	d 710
Project:		605287						Π	exavale			A Metho	u / Is
Sample ID	MB-139	907	SampType: MBLK			Units: mg/Kg		Prep Date:	6/6/2016	6	RunNo: 297	788	
Client ID:	MBLKS	5	Batch ID: 13907					Analysis Date:	6/6/2016	6	SeqNo: 562	2318	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Chromium, I	Hexava	lent	ND	0.500									
Sample ID	LCS-13	3907	SampType: LCS			Units: mg/Kg		Prep Date:	6/6/2016	6	RunNo: 297	788	
Client ID:	LCSS		Batch ID: 13907					Analysis Date:	6/6/2016	6	SeqNo: 562	2319	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Chromium, I	Hexava	lent	2.15	0.500	2.500	0	85.8	65	135				
Sample ID	160605	4-001ADUP	SampType: DUP			Units: mg/Kg	-dry	Prep Date:	6/6/2016	6	RunNo: 297	788	
Client ID:	BATCH	1	Batch ID: 13907					Analysis Date:	6/6/2016	6	SeqNo: 562	2321	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Chromium, I	Hexava	lent	ND	0.690						0		30	
Sample ID	160605	4-001AMS	SampType: MS			Units: mg/Kg	-dry	Prep Date:	6/6/2016	6	RunNo: 297	788	
Client ID:	BATCH	ł	Batch ID: 13907					Analysis Date:	6/6/2016	6	SeqNo: 562	2322	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Chromium, I NOTES:			0.168	0.687	3.436	0.1293	1.12	65	135				S
-	• •	-	served. A duplicate analysi	s was perforr	ned with simil	-	•	matrix effect.					
•		4-001AMSD	SampType: MSD			Units: mg/Kg	-dry	Prep Date:			RunNo: 297		
Client ID:	BATCH	1	Batch ID: 13907					Analysis Date:	6/6/2016	5	SeqNo: 562	2323	
Analyte			Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Chromium, I NOTES:			1.13 served. A duplicate analysi	0.691	3.456	0.1293	28.8	65	135	0.1677	148	30	RS

R - High RPD due to low analyte concentration. In this range, high RPD's may be expected.



Work Order:	1605396								00.5	SUMMAF		ORT
CLIENT:	Friedman & B	Bruya							-			
Project:	605287								Sample Moi	isture (Pei	rcent Mo	isture)
Sample ID 160603	35-005ADUP	SampType: DUP			Units: wt%		Prep Date	: 6/2/201	6	RunNo: 297	/10	
Client ID: BATCH	4	Batch ID: R29710					Analysis Date	: 6/2/201	6	SeqNo: 560)525	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture		17.2	0.500						17.21	0.0430	20	



Sample Log-In Check List

С	lient Name:	FB	Work Order Numb	er: 1605396	
Lo	ogged by:	Erica Silva	Date Received:	5/31/201	6 3:42:00 PM
<u>Cha</u>	in of Cust	ody			
1.	Is Chain of C	ustody complete?	Yes 🖌	No 🗌	Not Present
2.	How was the	sample delivered?	<u>FedEx</u>		
Log	In				
-	Coolers are p	present?	Yes	No 🗸	
-			No cooler preser	<u>nt</u>	
4.	Shipping con	tainer/cooler in good condition?	Yes 🖌	No 🗌	
5.		Is present on shipping container/cooler? nments for Custody Seals not intact)	Yes	No 🗌	Not Required 🗹
6.	Was an atter	npt made to cool the samples?	Yes 🖌	No 🗌	
7.	Were all item	is received at a temperature of $>0^{\circ}$ C to 10.0° C*	Yes	No 🗹	
		<u>PI</u>	ease refer to Item Info	ormation	
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	lspace in the VOA vials?	Yes	No 🗌	NA 🔽
13.	Did all sampl	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 🗌	
-		at analyses were requested?	Yes 🗹		
		ling times able to be met?	Yes 🖌	No 🗌	
Sne	cial Handl	ing (if applicable)			
-		••••	Yes	No 🗌	NA 🗹
18.	vvas cherit ho	otified of all discrepancies with this order?			
			ate		
	By Who		a: 🗌 eMail 🗌 Pho	one 🗌 Fax	In Person
	Regardi	ing:			
	Client Ir	nstructions:			

Item #	Temp ⁰C
Sample	10.1

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

Fax (206) 283-5044	Ph. (206) 285-8282	Seattle WA 98119-2020	Sol 216th Avenue West												R2-3	Sample ID		N	City, State, ZIP Seatt]	Address 3012	Company Fried	Send Report <u>To Mich</u>	
Received by:	Relinquished by:	Received hv-	Relinguished by													Lab ID		2 Fax #	Seattle, WA 98119	3012 16th Ave W	Friedman and Bruya, Inc.	<u>Michael Erdahl</u>	
y:	red by:	a contraction of the second	SIGNATURE											-	5/16/18	Date Sampled	-	[#] (206) 283-5044	119	N	3ruya, Inc.		70
	A.	A A	TURE				-								2560	Time Sampled		3-5044					SUBCONTRACT SAMPLE CHAIN
		M													Soil	Matrix			REMARKS	4	PROJECT NAME/NO.	SUBCC	ACTS
	Emica	Michael Erdahl													-	# of jars	-	Please Email Resul	RKS	665	CT NAN	SUBCONTRACTER	AMPL
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16053916

Appendix D

Boring Logs





Date Survey Solid and Reveal Under Sale Sale Sale Sale Sale Sale Sale Sale	ECI	vironme	ental s	ervices nonline.com	Project: BLT Trucking Location: 1100 S. 259th St. Kent, WA 98032 Client: BLT Transport LLC			ng ID: Number:	B1 0611-01-01
Logged By: C. Klein Auger ID/OD: Processes and the stresses and the	Date Start/Finish:		5/1	6/2016		╧	GW		
Operator Control Location: See Figure 3 Ground Location: The set of the control						OILS	GP	POORLY-GRADED	
Operator Control Location: See Figure 3 Ground Location: The set of the control						SIVES	GC	CLAYEY GRAVEL	
Operator Control Location: See Figure 3 Ground Location: The set of the control		Stan				COHE	SP	POORLY-GRADED	
Boring Location: See Figure 3 Ground Elevation: Teel Mater Depit: 7 feel Mater Depit: Mater Depit: Mater Depit: Mater Depit: Soil and Rock Description Mater Depit: Mater Depit: Soil and Rock Description		Otan				NON	SC	CLAYEY SAND	
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2 B1-2 9.06 Image: stand gray fine-grained, dry stand stand gray fine-grained, dry stand stand gray fine-grained, dry stand stand gray stand stand stand gray stand	Depth (ft bgs) Sample No.	Time	PID Reading	Remarks: Odor Sheen, Etc	Soil and Rock Description			Unified Classification	. Well Construction Detail
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5									
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9 <					Sand, brown, fine-grained, well sorte	ed, wet		SP	
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11Clayey silt, light greenish-gray, wetMH12 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
12 12	10								
13	11				Clayey silt, light greenish-gray, w	vet		MH	
14	12								
15 Image: style styl	13								
16 Image: Mark Stress of the stress of	14								
16 Image: Mark Stress of the stress of	15								
17					Poring terminated at 15				
18 Image: state in the									
19 Image: state in the									
20 Image: state in the s	18								
21 .	19								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20								
23 Image: Constraint of the symbol in	21								
23 Image: Constraint of the symbol in	22								
24 Image: Constraint of the second secon									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
26 Image: Constraint of the second secon									
27 Image: Constraint of the second secon	25								
28 Image: Constraint of the second	26								
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30 30 30 30 30 30 30 30 30 30 30 30 30 3									
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1	<u>Notes:</u>								4

Date Start/Finish: 5/16/2016	Client: BLT Transport LLC	Project Nur	nber:	0611-01-01
				ssification System
	Drilling Method: Direct push	GW		AVEL, FINE TO COARSE GRAVEL
	Auger ID/OD:	S GM	SILTY GRAVEL CLAYEY GRAVEL	
,	Borehole ID/OD: 2 inch	SW SP		ID, FINE TO COARSE SAND
	Sampler:	SM SM SC	SILTY SAND	AND
Operator: Chris Ross	Hammer Wt./Fall:	ML	CLAYEY SAND SILT	
3	Ground Elevation:	JO 0L	CLAY ORGANIC SILT, ORG	
Coordinates:	Water Depth: 7 feet	CH CH	CLAY OF HIGH PLAS	TICITY, ELASTIC SILT STICITY, FAT CLAY
	Boring Depth: 12 feet	HO PT	ORGANIC CLAY, OR PEAT	GANIC SILT
Depth (ft bgs) Sample No. Filme PID Reading Remarks: Odor, Sheen, Etc	Soil and Rock Description		Unified Classification	Well Construction Detail
1	Silty sand with gravel, fine-grained (sand), I	ight brown,	GM	
2	loose			
3 B2-3 9:53	Silty sand, gray, fine-grained		SM	
4				
5				
	2 • • • • • • • • • • • •		0.5	
6	Sand, dark brown, fine-grained, well sorte	d, wet @	SP	
7	7.5 feet			
8				
9				
10				
11	Clayey sand, grayish-brown, wet		SC	
12				
13	Boring terminated at 12'			
	Bonng terminated at 12			
15				
16				
17				
18				
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21				
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23				
24				
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30				I
Notes:				1 1

E	env	ironm		Services	Project: BLT Trucking Location: 1100 S. 259th St. Kent, WA 98032 Client: BLT Transport LLC		ng ID:	B3 0611-01-01
Data	Start/Finish:		E/4	6/2016	Client: BLT Transport LLC Drilling Method: Direct push			Classification System
						GW GP		AVEL, FINE TO COARSE GRAVEL
	gged By:			Klein	Auger ID/OD:	GP GM GM GC WON-COHESINE SOILS M SP SM SC	SILTY GRAVEL CLAYEY GRAVEL	
	ecked By:			Dixon	Borehole ID/OD: 2 inch	SW SP	WELL-GRADED SA	ND, FINE TO COARSE SAND
Co	ontractor:	Star	ndard Env	rironmental Probe	Sampler:	O SP ZO SM	POORLY-GRADED SILTY SAND	SAND
0	perator:		Chr	is Ross	Hammer Wt./Fall:	ML	CLAYEY SAND SILT	
Borin	ng Location:		See	Figure 3	Ground Elevation:	CL OL OL	CLAY ORGANIC SILT, OR	GANIC CLAY
Co	ordinates:				Water Depth: 7 feet	NH NH		STICITY, ELASTIC SILT ASTICITY, FAT CLAY
v	Veather:				Boring Depth: 12 feet	COHESIVE SOILS COHESIVE SOILS	ORGANIC CLAY, O	
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description		Unified Classification	Well Construction Detail
1					Sand with gravel, fine- to medium graine	d (sand),	GM	
2					brown, loose	. ,,		
	PO 0	10.05		minor creation		d	SM	
3	B3-3	10:35		minor organics odor	Silty sand, dark gray, fine-graine	d	SM	
4								
5								
6					Sand, dark brown, fine-grained, well sorte	ed, wet @	SP	
7						.,		
					7.5 feet			
8								
9								
10								
11					Clayey sand, grayish-brown, we	t	SC	
12								
13					Boring terminated at 12'			
14								
15								
16								
17								
18								
19								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Notes:								
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E	env	vironm		Services nonline.com	Project:BLT TruckingLocation:1100 S. 259th St. Kent, WA 98032Client:BLT Transport LLC		ring ID:	B4 0611-01-01
Date	Start/Finish:		5/1	6/2016	Drilling Method: Direct push	G		Classification System RAVEL, FINE TO COARSE GRAVEL
Lo	gged By:		C.	Klein	Auger ID/OD:	D I S I O	P POORLY-GRADED GP M SILTY GRAVEL	
	ecked By:			Dixon	Borehole ID/OD: 2 inch	G	C CLAYEY GRAVEL	
-	ontractor:	Star		rironmental Probe	Sampler:	cones	P POORLY-GRADED	ND, FINE TO COARSE SAND SAND
	perator:	Oldi		is Ross	Hammer Wt./Fall:	-NON S	M SILTY SAND C CLAYEY SAND	
	ng Location:			Figure 3	Ground Elevation:	_	IL SILT IL CLAY	
	ordinates:		066	rigule 5	Water Depth: 7 feet		ORGANIC SILT, OF	RGANIC CLAY STICITY, ELASTIC SILT
	Veather:					O HESI	H CLAY OF HIGH PLA H ORGANIC CLAY, O	ASTICITY, FAT CLAY RGANIC SILT
	veatner:			. *	Boring Depth: 12 feet	о С Р	T PEAT	
Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description		Unified Classification	Well Construction Detail
1					Silty sand and with gravel, fine-grained	(sand),	GM	
2					brown, loose	<u> </u>		
3					Silty sand, dark gray, fine-graine	d	SM	
4	B4-4	10:56			Sand, fine-grained, greenish-gray, wel		SP	
5	2. (Silty sand with gravel, brown		SM	
6					Silty clay, bluish-gray, dense		MH	
7					Sand, dark brown, fine-grained, well sorte	ed, wet (<u>v</u> 5P	
8					7 feet			
9								
10								
11								
12					Dening to provide the dist 4.01			
13					Boring terminated at 12'			
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
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Notes							·	
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Date Start/Finiah: Sr/6/2016 Drilling Method: Direct public Unifer Start Star	ECI env	vironm	ental s	Services	Project:BLT TruckingLocation:1100 S. 259th St. Kent, WA 98032Client:BLT Transport LLC		ng ID:	B5 0611-01-01
Logged By: C. Klein Auger ID/OD: The second sec	Date Start/Finish		5/1	6/2016				
Operator. Constructs See Figure 3 Origination Operator Operator <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>POORLY-GRADED</td> <td></td>							POORLY-GRADED	
Operator. Constructs See Figure 3 Origination Operator Operator <td></td> <td></td> <td></td> <td></td> <td></td> <td>GC</td> <td>CLAYEY GRAVEL</td> <td></td>						GC	CLAYEY GRAVEL	
Operator. Constructs See Figure 3 Origination Operator Operator <td>-</td> <td>Stor</td> <td></td> <td></td> <td></td> <td>SW SP</td> <td></td> <td></td>	-	Stor				SW SP		
Operator Constructs See Figure 3 Ground Elevation: Total Construct		Stat				- SM NON SC		
Borna Ground Lievator: method Teet (model) Teet (mod	-					ML		
Spin of the second se	_		See	Figure 3			ORGANIC SILT, OR	
Solitand Rock Description Soil and Rock Description So						HO EST	CLAY OF HIGH PLA	STICITY, FAT CLAY
L V P L L L L <thl< th=""> <thl< th=""> <thl< th=""> <thl< th=""></thl<></thl<></thl<></thl<>	Weather:				Boring Depth: 12 feet	Ö PT		
2 Sity sand and with gravel, brown, fine-grained (sand) SM 3 B5-3 12:18 Sity sand with minor gravel, dark gray, fine-grained SM 4 Sity sand with minor gravel, dark gray, fine-grained (sand) SM 5 Sity sand and with gravel, brown, fine-grained (sand) SM 6 Sand, dark brown, fine-grained, well sorted, wet @ SP 7 Sand, dark brown, fine-grained, well sorted, wet @ SP 8 Sand, dark brown, fine-grained, well sorted, wet @ SP 9 9 10 11 12 13 14 14	Depth (ft bgs) Sample No.	Time	PID Reading	Remarks: Odor Sheen, Etc	Soil and Rock Description		Unified Classification	Well Construction Detail
B6-3 12:18 Silty sand with minor gravel, dark gray, fine-grained SM MH 4 A A Silty can, bluish-gray, dense MH A 5 A A Silty sand and with gravel, brown, fine-grained (sand) SM A 6 A A Sand, dark brown, fine-grained, well sorted, wet @ SP A 7 A A A A A A 8 A A A A A A 9 A A A A A A 10 A A A A A A 11 A A A A A A A 12 A A A A A A A A 14 A A A A A A A A 15 A A A A A A A <td< td=""><td>1</td><td></td><td></td><td></td><td>No recovery</td><td></td><td></td><td></td></td<>	1				No recovery			
B6-3 12:18 Silty sand with minor gravel, dark gray, fine-grained SM MH 4 A A Silty can, bluish-gray, dense MH A 5 A A Silty sand and with gravel, brown, fine-grained (sand) SM A 6 A A Sand, dark brown, fine-grained, well sorted, wet @ SP A 7 A A A A A A 8 A A A A A A 9 A A A A A A 10 A A A A A A 11 A A A A A A A 12 A A A A A A A A 14 A A A A A A A A 15 A A A A A A A <td< td=""><td>2</td><td></td><td></td><td></td><td></td><td>ained (sand</td><td>) SM</td><td></td></td<>	2					ained (sand) SM	
4 Image: Marcon integration integratinant integrated integrated integratinant integration integrated int	3 B5-3	12:18						
5Image: start st		-						
6 Sand, dark brown, fine-grained, well sorted, well @ SP 7 0 7.5 feet 0 8 0 0 10 0 0 10 0 0 0 0 0 0 11 0 0 0 0 0 0 0 12 0 0 0 0 0 0 0 0 0 13 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
7 1 7.5 feet 1 8 1 1 1 1 9 1 1 1 1 1 10 1 1 1 1 1 1 11 1 1 1 1 1 1 1 11 1 1 1 1 1 1 1 1 12 1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>/</td> <td></td>							/	
8						ed, wet @	5P	
9 .					7.5 feet			
10 Image: state in the s	8							
11 Image: state in the s	9							
12 Image: style styl	10							
13 Boring terminated at 12' Boring terminated at 12' 14 Image: Second seco	11							
14 Image: state in the s	12							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	13				Boring terminated at 12'			
16 Image: state in the state in th	14							
17 Image: state in the s	15							
17 Image: state in the s	16							
18 Image: state in the s								
19 Image: Constraint of the second secon								
20 Image: state of the s								
21 Image: Constraint of the second secon								
22 Image: Constraint of the second secon								
23 Image: Constraint of the second secon								
24	22							
25	23							
26	24							
27	25							
	26							
	27							
29								
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Date Start/Finish: Srife/2016 Driting Method: Direct push Under Start S	EC	env	vironm	ental s	Services	Project: BLT Trucking Location: 1100 S. 259th St. Kent, WA 98032 Client: BLT Transport LLC			ng ID: Jumber:		36 -01-01
Logged By: C. Klein Auger ID/DD: Image: Constraints and the information of the information	Date	Start/Finish		5/1	6/2016			<i></i>			
Operator. Califie No.868 Inamine Prof.al. Maintle Prof.al.							OILS	GP	POORLY-GRADED		RSE GRAVEL
Operator. Califie No.868 Inamine Prof.al. Maintle Prof.al.							SIVE SO	GC	CLAYEY GRAVEL		
Operator. Califie No.868 Inamine Prof.al. Maintle Prof.al.		-	Stor				COHES				E SAND
Operator. Cline Notas Patimizer NL-rail. Patimizer NL-rail. Patimizer NL-rail. Boring Location: See Figure 3 Ground Elevation: Patimizer NL-rail. Patimizer NL-rail. Weather: Boring Depth: 7 feet Patimizer NL-rail. Patimizer NL-rail. Veather: Boring Depth: 12 feet Patimizer NL-rail. Patimizer NL-rail. Veather: Boring Depth: 12 feet Patimizer NL-rail. Patimizer NL-rail. Veather: Boring Depth: 12 feet Patimizer NL-rail. Patimizer NL-rail. Veather: Boring Depth: 12 feet Soli and Rock Description Patimizer NL-rail. Patimizer NL-rail Patimizer NL-rail No recovery Patimizer NL-rail Patimizer NL-rail 2 B6-2 12:54 Silly sand and with gravel, brown, fine-grained, well sorted SP Patimizer NL-rail 3 Patimizer NL-rail Sand, dark brown, fine-grained, well sorted SP Patimizer NL-rail 6 Sand, gray, fine-grained, well sorted SP Patimizer NL-rail Patimanolity 10			Stat				Non				
Borng Ocation: Sele Figure 3 Ground Elevation: organization organization <thorganization< th=""> organization organi</thorganization<>							_				
(b) (c) (c) <td></td> <td>-</td> <td></td> <td>See</td> <td>Figure 3</td> <td></td> <td>SOIL</td> <td></td> <td>ORGANIC SILT, OR</td> <td></td> <td>т</td>		-		See	Figure 3		SOIL		ORGANIC SILT, OR		т
(b) (c) (c) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>HESIVE</td> <td></td> <td>CLAY OF HIGH PLA</td> <td>STICITY, FAT CLAY</td> <td></td>							HESIVE		CLAY OF HIGH PLA	STICITY, FAT CLAY	
Image: Constraint of the second sec	N	Veather:				Boring Depth: 12 feet	ĊĊ			· · · · · · · · · · · · · · · · · · ·	
2 B6-2 12:54 Silty sand and with gravel, brown, fine-grained (sand) SM 3 <th>Depth (ft bgs)</th> <th>Sample No.</th> <th>Time</th> <th>PID Reading</th> <th>Remarks: Odor Sheen, Etc</th> <th>Soil and Rock Description</th> <th></th> <th></th> <th>Unified Classification</th> <th>Well</th> <th>Construction Detail</th>	Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor Sheen, Etc	Soil and Rock Description			Unified Classification	Well	Construction Detail
3 \sim \sim Sand, brown, fine-grained, well sortedSP \sim 4 \sim <t< td=""><td>1</td><td></td><td></td><td></td><td></td><td>No recovery</td><td></td><td></td><td></td><td></td><td></td></t<>	1					No recovery					
3 1 Sand, brown, fine-grained, well sorted SP 1 4 1	2	B6-2	12:54			Silty sand and with gravel, brown, fine-gra	ained ((sand)	SM	I T	
4 1 1 1 1 1 1 1 1 5 1 <								/			
5 M Silty sand and with gravel, brown, fine-grained, well sorted, wet @ SM 6 Sand, dark brown, fine-grained, well sorted, wet @ SP 7 7 7 7 8 7 7 7 7 9 1 10 Sand, dark brown, fine-grained, well sorted, wet @ SP 10 Sand, gray, fine-grained, well sorted SP 1 11 Sand, gray, fine-grained, well sorted SP 1 12 Sand, gray, fine-grained, well sorted SP 1 13 Sand, gray, fine-grained, well sorted SP 1 14 Sand, gray, fine-grained, well sorted SP 1 15 Sand, gray, fine-grained, well sorted SP 1 16 Sand, gray, fine-grained, well sorted SP 1 17 Sand, gray, fine-grained, well sorted SP 1 18 Sand Sand Sand, gray, fine-grained, well sorted Sand 19 Sand Sand Sand Sand Sand							JILOU		0		
6											
7 ////////////////////////////////////	5					Silty sand and with gravel, brown, fine	e-graine	ed	SM		
8	6					Sand, dark brown, fine-grained, well sort	ted, we	et @	SP		
9						7 feet					
11 Sitty clay, greenish-gray, dense MH 12 Image: Sitty clay, greenish-gray, dense MH 13 Image: Sitty clay, greenish-gray, dense MH 13 Image: Sitty clay, greenish-gray, dense MH 13 Image: Sitty clay, greenish-gray, dense MH 14 Image: Sitty clay, greenish-gray, dense MH 14 Image: Sitty clay, greenish-gray, dense Image: Sitty clay, greenish-gray, dense 14 Image: Sitty clay, greenish-gray, dense Image: Sitty clay, greenish-gray, dense Image: Sitty clay, greenish-gray, dense 14 Image: Sitty clay, greenish-gray, dense Image											
11 Image: Metric state sta	10					Sand, gray, fine-grained, well so	rted		SP		
12 Image: style sty	11					Silty clay, greenish-gray, dens	e		МН		
13 Boring terminated at 12' Boring terminated at 12' 14 Boring terminated at 12' Image: Constraint of the second se											
14 Image: state in the						Boring terminated at 12					
15 Image: state stat											
16 Image: state stat											
17 Image: state stat	15										
18 Image: state of the s	16										
19 Image: Constraint of the second secon	17										
20 Image: state of the s	18										
21 Image: Constraint of the second secon	19										
22	20										
22	21										
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27	26										
	27										
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30											
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Date Start/Finith: St/12/216 Priling Mathed: Dired path Under UNDO: Under UNDO: Contractor: Start Market	EC	env	ironm	ental s	Services	Project:BLT TruckingLocation:1100 S. 259th St. Kent, WA 98032Client:BLT Transport LLC			ng ID:	_	37 1-01-01
Data during in reaching in reac	Data 6	tart/Finish		E /4	6/2016		+				
Openal Local Control Openal Local Contro Openal Local Control Openal Loc							olls				RSE GRAVEL
Openal Local Control Openal Local Contro Openal Local Control Openal Loc	-						IVE SC				
Openal Local Control Openal Local Contro Openal Local Control Openal Loc			0.				OHESI				E SAND
Openal Local Control Openal Local Contro Openal Local Control Openal Loc			Star				40 N-C		SILTY SAND		
Boring Location: Jose Hights 3 Ground Levation: Test	-							ML	SILT		
Grag Soil and Rock Description Image: S		-		See	Figure 3		SOILS	OL	ORGANIC SILT, OR		т
Grag Soil and Rock Description Image: S							ESIVE	СН	CLAY OF HIGH PLA	STICITY, FAT CLAY	_1
u u <thu< th=""> <thu< th=""> <thu< th=""></thu<></thu<></thu<>	W	eather:				Boring Depth: 12 feet	сон			GANIC SILT	
128 1.28 <th1< th=""><th>Depth (ft bgs)</th><th>Sample No.</th><th>Time</th><th>PID Reading</th><th>Remarks: Odor, Sheen, Etc</th><th>Soil and Rock Description</th><th></th><th></th><th>Unified Classification</th><th>Well</th><th>Construction Detail</th></th1<>	Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description			Unified Classification	Well	Construction Detail
SIM Simple and, brown, very fine-grained, well sorted SM Image: SM 4 Image: SM Image: SM Image: SM Image: SM 5 Image: SM Image: SM Image: SM Image: SM Image: SM 6 Image: SM Image	1					No recovery					
SIM Simple and, brown, very fine-grained, well sorted SM Image: SM 4 Image: SM Image: SM Image: SM Image: SM 5 Image: SM Image: SM Image: SM Image: SM Image: SM 6 Image: SM Image	2	B7-2.5	1:28	_		Silty sand with gravel, brown, fine-grain	ed (sa	nd)	GM	I T	
AImage: stand strain fragment well sortedSPImage: stand strain fragment well sorted, med DenseSPImage: strain st									SM		
1 1 1 Silty sand, brown, very fine-grained, med. Dense SM 1 1 1 1 Sand, dark brown, fine-grained, well sorted, well sor											
6 Image: Constrained in the section of the section											
7 1 1 1 1 1 1 8 1 1 1 1 1 1 1 9 1 1 1 1 1 1 1 1 10 1<											
8	6					Sand, dark brown, fine-grained, well sort	ed, we	et @	SP		
11 Image: style styl						7 feet					
11 Image: style styl											
11 Image: style styl											
11											
13 Image: space spac						Silty clay, greenish-gray, dense	9		IVIH		
14 Image: Constraint of the second secon											
15 Image: state in the s						Boring terminated at 12					
16 I	14										
17 I	15										
18 Image: Section of the section of	16										
19	17										
20 Image: Constraint of the second secon	18										
20 Image: Constraint of the second secon	19										
21 Image: Sector of the se	20		_								
22 Image: Constraint of the second secon											
23 Image: Second se											
24 Image: Constraint of the second secon											
25 Image: Constraint of the second secon	23										
26 Image: Constraint of the second secon	24										
27 Image: Sector of the sect	25										
28 Image: Constraint of the second	26										
29	27										
29	28										
30 30 Solution Soluti											
Notes:											
1	NOTES:									1	

Date Start/Finich: 5/16/2016 Drilling Method: Dirot public Utiling Method: Dirot public Cogen By: C. Kien Auge TDOD: Image Method: Provide Method:	EC	env	ironm	ental s	Services	Project: BLT Trucking Location: 1100 S. 259th St. Kent, WA 98032 Client: BLT Transport LLC			ng ID:		B8 1-01-01
Lagged By: C. Klöin Auger ID/OD: Term Standard Environmental Product Standard Environmentate Product Standard Envinte Product Standard Environm	Date S	tart/Finish		5/1	6/2016		+				
Operation Cuito Ansa Fundame in Large The image is a second and a second a second and a second and a second and a second and a							OILS	GP	POORLY-GRADED		ARSE GRAVEL
Operation Cuito Ansa Fundame in Large The image is a second and a second a second and a second and a second and a second and a							SIVE SO	GC	CLAYEY GRAVEL		
Operation Cuito Ansa Fundame in Large The image is a second and a second a second and a second and a second and a second and a			Stor				COHES				SE SAND
Operation Cuito Ansa Fundame in Large The image is a second and a second a second and a second and a second and a second and a			Star				NON				
Binding Location Said FigUR 3 Undue Levalation Open Levala											
Set U (Set U (Set U (Set 		-		See	Figure 3		SOIL		ORGANIC SILT, OR		ILT
Set U (Set (Set<							HESIVE		CLAY OF HIGH PLA	STICITY, FAT CLAY	
D D <thd< th=""> <thd< th=""> <thd< th=""> <thd< th=""></thd<></thd<></thd<></thd<>	We	eather:				Boring Depth: 12 feet	Ċ				
1 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 5 1 1 1 1 1 1 1 1 6 1 1 1 1 1 1 1 1 6 1 <th>Depth (ft bgs)</th> <th>Sample No.</th> <th>Time</th> <th>PID Reading</th> <th>Remarks: Odor, Sheen, Etc</th> <th>Soil and Rock Description</th> <th></th> <th></th> <th>Unified Classification</th> <th>Nell</th> <th>Construction Detail</th>	Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description			Unified Classification	Nell	Construction Detail
3Sand with minor sit, brown, very fine-grained, tightSM4 <td< td=""><td>1</td><td></td><td></td><td></td><td></td><td>No recovery</td><td></td><td></td><td></td><td></td><td></td></td<>	1					No recovery					
3Sand with minor sit, brown, very fine-grained, tightSM4 <td< td=""><td>2</td><td>B8-2</td><td>2:18</td><td></td><td></td><td>Silty sand with gravel, brown, fine-grain</td><td>ed (san</td><td>nd)</td><td>GM</td><td></td><td>_</td></td<>	2	B8-2	2:18			Silty sand with gravel, brown, fine-grain	ed (san	nd)	GM		_
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