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 silty-sand 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

Method-A Cleanup Levels (MTCA-A) for Soil (Industrial) and Groundwater (MTCA Cleanup Regulation 173-340-900: Tables 720-1 and 745-1)		
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

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

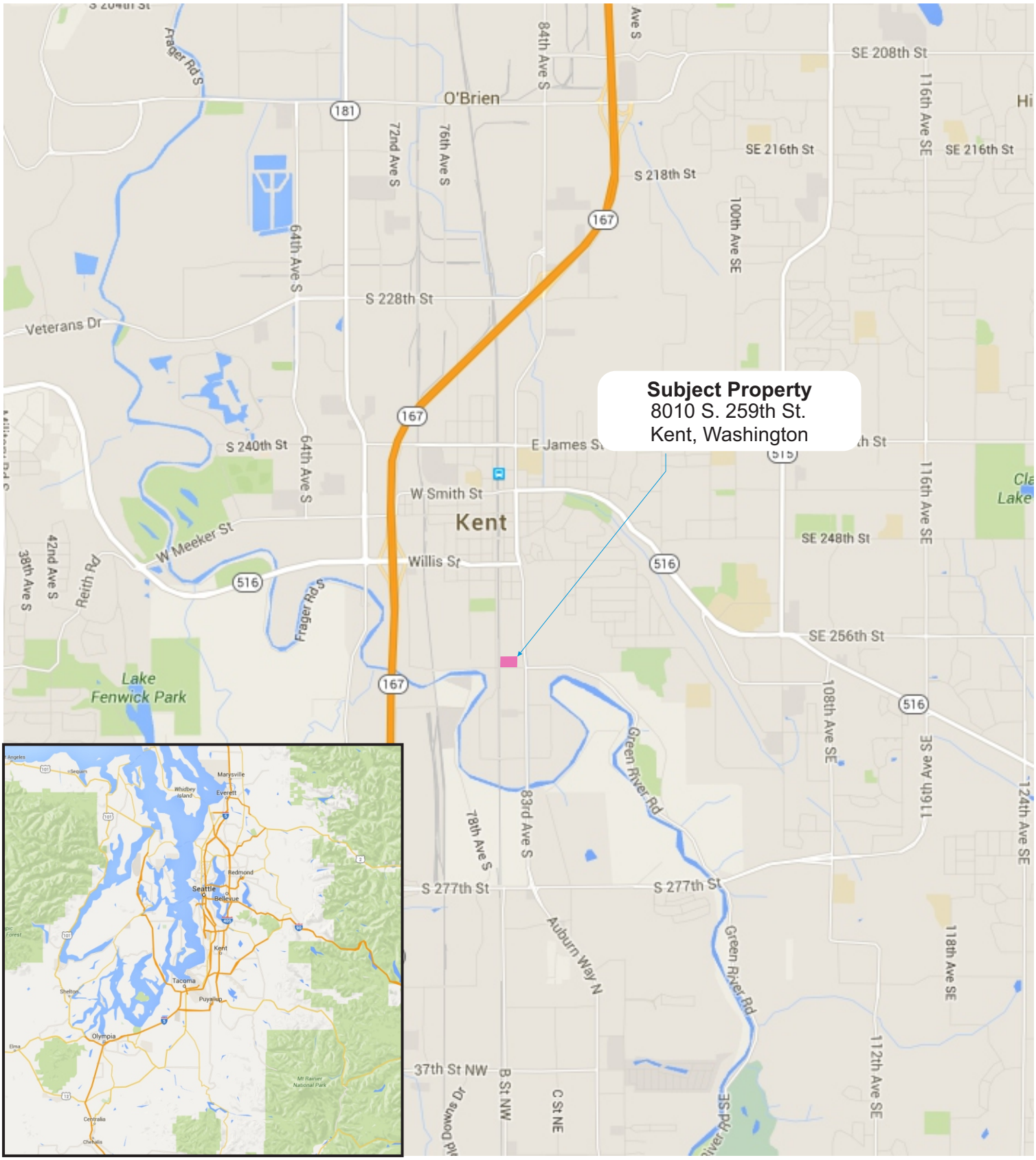
Appendix C: Project Analytical Results

- Laboratory Analytical Report
- Sample Chain of Custody

Appendix D: Boring Logs

Appendix A

Project Figures



N
Not To Scale

Site Location Map
Focused Subsurface Investigation
8010 S. 259th St.
Kent, Washington

Date:	May 16, 2016
Completed By:	S. Spencer
Reviewed By.:	S.Spencer
Version:	ECI-001
Project No.:	0611-01-01

Figure No.: 01
Sheet 01 of 03

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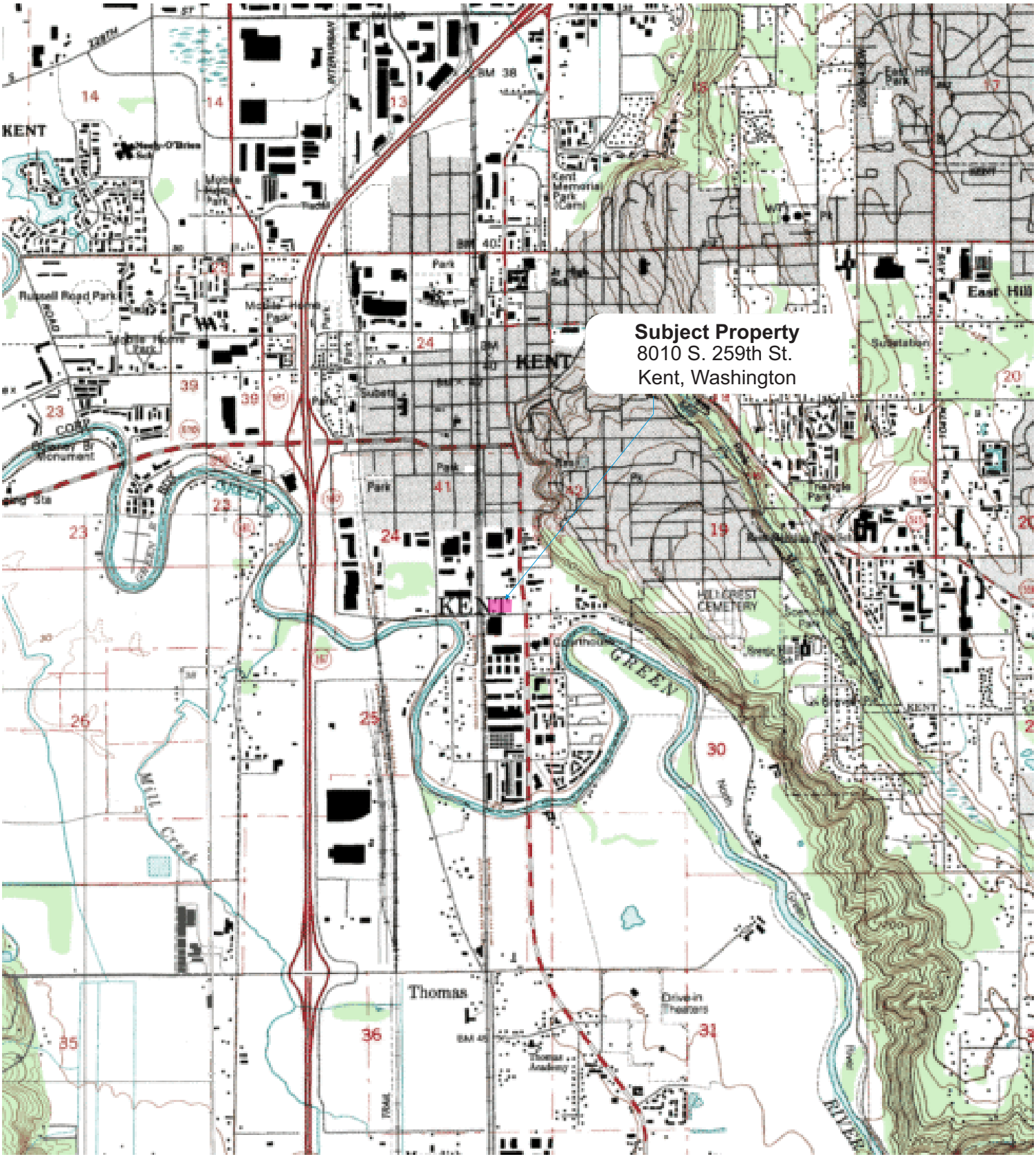

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Not To Scale

Site Topographic Map
Focused Subsurface Investigation
8010 S. 259th St.
Kent, Washington

Date:	May 16, 2016
Completed By:	S. Spencer
Reviewed By.:	S.Spencer
Version:	ECI-001
Project No.:	0611-01-01

Figure No.: 02
Sheet 02 of 03

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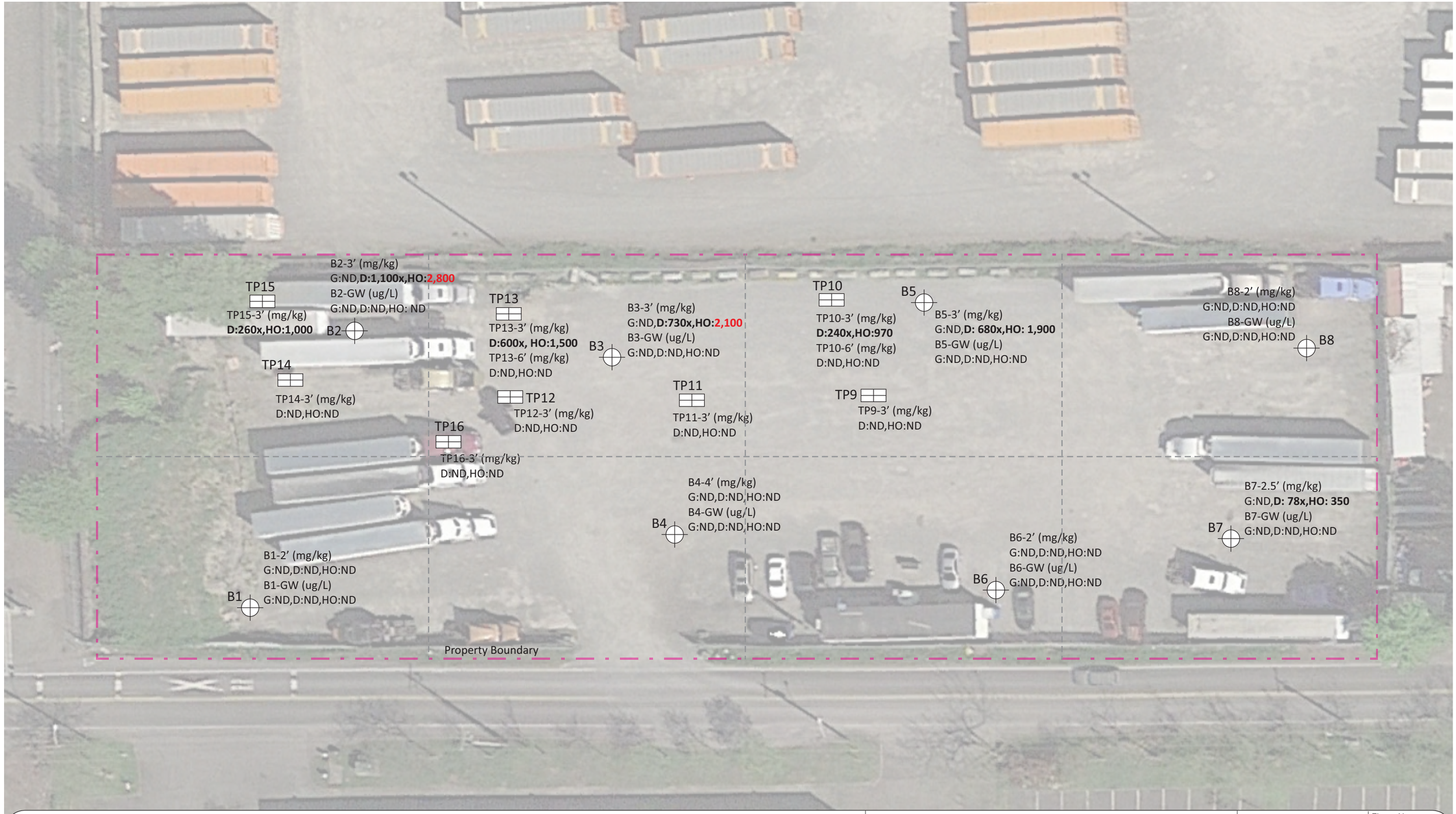

N

0 20 40 80

Approximate Scale in Feet

Explanation

: 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

Date:	May 16, 2016
Completed By:	S. Spencer
Reviewed By.:	S.Spencer
Version:	ECI-001
Project No.:	0611-01-01

Figure No.: 03

Sheet 03 of 03

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Appendix B

Project Tables

Table 1: Summary of Soil Analytical Results

Sample ID	Sample Depth (feet bgs)	Gasoline-Range Organics	Diesel-Range Organics	Oil-Range Organics	cPAHs	PCB Mixtures	cVOCs	Arsenic	Cadmium	Chromium (Total)	Chromium VI	Mercury	Lead
		Sample Results in milligrams per kilogram (mg/kg)											
B1-2	2	<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 Reporting Limit		20	50	250	0.01	0.2	Varies	1	1	5	0.548	1	1
MTCA-A Industrial Cleanup Levels		100/30	2,000	2,000	2[1]	10	Varies	20	2	2,000[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 Depth (feet bgs)	Gasoline-Range Organics	Diesel-Range Organics	Oil-Range Organics
		Sample Results in micrograms per liter (µg/L)		
B1-GW-7	7	<200	<50	<500
B2-GW-7.5	7.5	<200	<50	<250
B3-GW-7.5	7.5	<200	<50	<250
B4-GW-7	7	<200	<50	<250
B5-GW-7.5	7.5	<200	<500	<500
B6-GW-7	7	<200	<500	<500
B7-GW-7	7	<200	<500	<500
B8-GW-7.5	7.5	<200	<500	<500
Laboratory Method Reporting Limit		200	500/50	500/250
MTCA-A Cleanup Levels		800/1000	500	500

Appendix C

Project Analytical Results

Appendix C
Project Analytical Results

FRIEDMAN & BRUYA, INC.

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.

Michael Erdahl
Project Manager

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

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.

Laboratory ID	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.

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	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (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.

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)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (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

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

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

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.

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.

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.

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.

605288

SAMPLE CHAIN OF CUSTODY ME 05/16/16 D03

Send Report To Craig Klein cklein@ecinet.us

Company ECI Environmental Consulting

Address PO Box 153

City, State, ZIP Fox Island WA 98333

Phone #(805) 612-3763 Fax #

SAMPLERS (signature) K. Craig Klein

PROJECT NAME/NO. BLT Transport

PO#

REMARKS

Page # _____ of _____

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID	Dr/SG.					Notes
B1-GW-7	01	5/16/16	9:38	Water	1-liter amber							✓						* - pack 5/18/16 ag
B2-GW-7.5	02	"	10:10	"	"							✓	*					
B3-GW-7.5	03		10:45									✓	*					
B4-GW-7	04		11:15									✓	*					
B5-GW-7.5	05		12:35									✓						
B6-GW-7	06		1:13									✓						
B7-GW-7	07		1:52									✓						
B8-GW-7.5	08		2:47									✓						
																		Samples received at: 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: K. Craig Klein	K. Craig Klein	ECI	5/16/16	3:00
Received by:		FedEx	5/16/16	1500
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

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

Dear Mr. Klein:

Included are the results from the testing of material submitted on June 1, 2016 from the BLT Transport 0611-01-01, F&BI 606019 project. There are 6 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.

Michael Erdahl
Project Manager

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

CASE NARRATIVE

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Laboratory ID	EcoCon
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.

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 (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (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

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 (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (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

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)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	96	95	63-146	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	109	79-144

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)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	119	119	63-146	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	119	79-144

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.

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.

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.

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.

606019

SAMPLE CHAIN OF CUSTODY

ME 06/01/16 E03

Page # _____ of _____

Send Report To CRAIG KLEIN

Company ECI ENVIRONMENTAL CONSULTING

Address P.O. BOX 153

City, State, ZIP FOX ISLAND, WA 98333

Phone # (253) 238-9270 (805) 412-3765 Fax # _____

SAMPLERS (signature) K Craig Klein

PROJECT NAME/NO. BLT TRASPORT 0611-01-01

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH _____

Rush charges authorized by _____

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Nitrate-By EPA						Notes
TP9-3	01	6/1/2016	9:48	Soil	1-402							X						⊗-per BD 6/3/16 MG.
TP9-6	02		9:49															HOLD
TP10-3	03		10:03									X						
TP10-6	04		10:09									⊗						HOLD
TP11-3	05		10:23									X						
TP11-6	06		10:27															HOLD
TP12-3	07		10:37									X						
TP12-6	08		10:42															HOLD
TP13-3	09		10:53									X						
TP13-6	10		10:58									⊗						HOLD

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: K Craig Klein	K CRAIG KLEIN	ECI	6/1/2016	1:48
Received by:	Eric Young	FEB	6/1/16	1:48
Relinquished by:				
Received by:		Samples received at	4	°C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

606019

SAMPLE CHAIN OF CUSTODY

ME 06/01/16 E03

Send Report To CRAIG KLEIN

Company ECI ENVIRONMENTAL CONSULTING

Address PO Box 153

City, State, ZIP FOX ISLAND, WA 98333

Phone # (253) 238-9270 (B05) 612-3763 Fax #

SAMPLERS (signature) K. Craig Klein

PROJECT NAME/NO. BLT TRANSPORT 0611-01-01

PO#

REMARKS

Page # of

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	NORTH-DR EXT						Notes
TP14-3	11	6/1/16	11:12	Soil	1-402							X						
TP14-6	12	6/1/16	11:21															HOLD
TP15-3	13		11:28									X						
TP15-6	14		11:37															HOLD
TP16-2.5	15		11:52									X						
TP 16-6	16		11:57															HOLD

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	K. Craig Klein	K. CRAIG KLEIN	ECI	6/1/2016	1:48
Received by:			FedEx	6/1/16	1:48
Relinquished by:					
Received by:					

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

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,

Mike Ridgeway
President

Date: *06/06/2016*

CLIENT: Friedman & Bruya
Project: 605287
Lab Order: 1605396

Work Order 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 & Bruya
Project: 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:

* - 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**

Client: Friedman & Bruya
Collection Date: 5/16/2016 9:53:00 AM
Project: 605287
Lab ID: 1605396-001
Matrix: Soil
Client Sample ID: **B2-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R29710		Analyst: BB
Percent Moisture	9.82	0.500		wt%	1	6/2/2016 11:36:43 AM
Hexavalent Chromium by EPA Method 7196				Batch ID: 13907		Analyst: KT
Chromium, Hexavalent	ND	0.548		mg/Kg-dry	1	6/6/2016 2:00:00 PM

Work Order: 1605396
CLIENT: Friedman & Bruya
Project: 605287

QC SUMMARY REPORT

Hexavalent Chromium by EPA Method 7196

Sample ID **MB-13907**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **6/6/2016**		RunNo: **29788**			
Client ID: **MBLKS**	Batch ID: **13907**					Analysis Date: **6/6/2016**		SeqNo: **562318**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.500									

Sample ID **LCS-13907**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **6/6/2016**		RunNo: **29788**			
Client ID: **LCSS**	Batch ID: **13907**					Analysis Date: **6/6/2016**		SeqNo: **562319**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	2.15	0.500	2.500	0	85.8	65	135				

Sample ID **1606054-001ADUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **6/6/2016**		RunNo: **29788**			
Client ID: **BATCH**	Batch ID: **13907**					Analysis Date: **6/6/2016**		SeqNo: **562321**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.690						0		30	

Sample ID **1606054-001AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **6/6/2016**		RunNo: **29788**			
Client ID: **BATCH**	Batch ID: **13907**					Analysis Date: **6/6/2016**		SeqNo: **562322**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.168	0.687	3.436	0.1293	1.12	65	135				S

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

Sample ID **1606054-001AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **6/6/2016**		RunNo: **29788**			
Client ID: **BATCH**	Batch ID: **13907**					Analysis Date: **6/6/2016**		SeqNo: **562323**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	1.13	0.691	3.456	0.1293	28.8	65	135	0.1677	148	30	RS

NOTES:
S - Outlying spike recovery observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.
R - High RPD due to low analyte concentration. In this range, high RPD's may be expected.

Date: *6/6/2016*

Work Order: 1605396
CLIENT: Friedman & Bruya
Project: 605287

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1606035-005ADUP** SampType: **DUP** Units: **wt%** Prep Date: **6/2/2016** RunNo: **29710**
Client ID: **BATCH** Batch ID: **R29710** Analysis Date: **6/2/2016** SeqNo: **560525**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	17.2	0.500						17.21	0.0430	20	

Sample Log-In Check List

Client Name:	**FB**	Work Order Number:	**1605396**
Logged by:	**Erica Silva**	Date Received:	**5/31/2016 3:42:00 PM**

Chain of Custody

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

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		No cooler present		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☑	NA ☐
		Please refer to Item Information		
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

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

Person Notified: _____ Date _____

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

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	10.1

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

1605396

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTER Fremont

PROJECT NAME/NO. 605287

PO # D-977

REMARKS

Please Email Results

TURNAROUND TIME

☒ Standard (2 Weeks)

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Dioxins/Furans	EPH	VPH	Nitrate	Sulfate	Alkalinity	TOC-9060M	Cr VI			Notes
B2-3		5/16/16	0953	Soil	1								X			% Solids .89

Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Ph. (206) 285-8282 Fax (206) 283-5044	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
	Relinquished by:	Michael Erdahl	Friedman and Bruya	5/31/16	1400
	Received by:	Erica Silva	FAI	5/31/16	15:42
	Relinquished by:				
	Received by:				

Appendix D

Boring Logs

ECI environmental services
www.ecocononline.com

Project:	BLT Trucking
Location:	1100 S. 259th St. Kent, WA 98032
Client:	BLT Transport LLC

Boring ID: B1

Project Number: 0611-01-01

Date Start/Finish:	5/16/2016
Logged By:	C. Klein
Checked By:	B. Dixon
Contractor:	Standard Environmental Probe
Operator:	Chris Ross
Boring Location:	See Figure 3
Coordinates:	
Weather:	
Drilling Method:	Direct push
Auger ID/OD:	
Borehole ID/OD:	2 inch
Sampler:	
Hammer Wt./Fall:	
Ground Elevation:	
Water Depth:	7 feet
Boring Depth:	15 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail
1					Silty sand, brown	SM	
2	B1-2	9:06			Sand, gray, fine-grained, dry	SP	
3					Silty sand, olive-gray	SM	
4							
5							
6							
7					Sand, brown, fine-grained, well sorted, wet	SP	
8							
9							
10							
11					Clayey silt, light greenish-gray, wet	MH	
12							
13							
14							
15							
16					Boring terminated at 15'		
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Notes:

ECI environmental services
www.ecocononline.com

Project:	BLT Trucking
Location:	1100 S. 259th St. Kent, WA 98032
Client:	BLT Transport LLC

Boring ID: B2

Project Number: 0611-01-01

Date Start/Finish:	5/16/2016
Logged By:	C. Klein
Checked By:	B. Dixon
Contractor:	Standard Environmental Probe
Operator:	Chris Ross
Boring Location:	
Coordinates:	
Weather:	

Drilling Method:	Direct push
Auger ID/OD:	
Borehole ID/OD:	2 inch
Sampler:	
Hammer Wt./Fall:	
Ground Elevation:	
Water Depth:	7 feet
Boring Depth:	12 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail
1					Silty sand with gravel, fine-grained (sand), light brown,	GM	
2					loose		
3	B2-3	9:53			Silty sand, gray, fine-grained	SM	
4							
5							
6					Sand, dark brown, fine-grained, well sorted, wet @	SP	
7					7.5 feet		
8							
9							
10							
11					Clayey sand, grayish-brown, wet	SC	
12							
13					Boring terminated at 12'		
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Notes:

ECI environmental services
www.ecocononline.com

Project:	BLT Trucking
Location:	1100 S. 259th St. Kent, WA 98032
Client:	BLT Transport LLC

Boring ID: B3

Project Number: 0611-01-01

Date Start/Finish:	5/16/2016
Logged By:	C. Klein
Checked By:	B. Dixon
Contractor:	Standard Environmental Probe
Operator:	Chris Ross
Boring Location:	See Figure 3
Coordinates:	
Weather:	

Drilling Method:	Direct push
Auger ID/OD:	
Borehole ID/OD:	2 inch
Sampler:	
Hammer Wt./Fall:	
Ground Elevation:	
Water Depth:	7 feet
Boring Depth:	12 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail	
1					Sand with gravel, fine- to medium grained (sand),	GM		
2					brown, loose			
3	B3-3	10:35		minor organics odor	Silty sand, dark gray, fine-grained	SM		
4								
5								
6					Sand, dark brown, fine-grained, well sorted, wet @	SP		
7					7.5 feet			
8								
9								
10								
11					Clayey sand, grayish-brown, wet	SC		
12								
13					Boring terminated at 12'			
14								
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Notes:

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Project:	BLT Trucking	**Boring ID:**	**B4**
Location:	1100 S. 259th St. Kent, WA 98032	**Project Number:**	**0611-01-01**
Client:	BLT Transport LLC		
Date Start/Finish:	5/16/2016	**Drilling Method:**	Direct push
Logged By:	C. Klein	**Auger ID/OD:**	
Checked By:	B. Dixon	**Borehole ID/OD:**	2 inch
Contractor:	Standard Environmental Probe	**Sampler:**	
Operator:	Chris Ross	**Hammer Wt./Fall:**	
Boring Location:	See Figure 3	**Ground Elevation:**	
Coordinates:		**Water Depth:**	7 feet
Weather:		**Boring Depth:**	12 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail	
1					Silty sand and with gravel, fine-grained (sand),	GM		
2					brown, loose			
3					Silty sand, dark gray, fine-grained	SM		
4	B4-4	10:56			Sand, fine-grained, greenish-gray, well-sorted	SP		
5					Silty sand with gravel, brown	SM		
6					Silty clay, bluish-gray, dense	MH		
7					Sand, dark brown, fine-grained, well sorted, wet @	SP		
8					7 feet			
9								
10								
11								
12								
13					Boring terminated at 12'			
14								
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Notes:

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Project:	BLT Trucking
Location:	1100 S. 259th St. Kent, WA 98032
Client:	BLT Transport LLC

Boring ID: B5

Project Number: 0611-01-01

Date Start/Finish:	5/16/2016
Logged By:	C. Klein
Checked By:	B. Dixon
Contractor:	Standard Environmental Probe
Operator:	Chris Ross
Boring Location:	See Figure 3
Coordinates:	
Weather:	

Drilling Method:	Direct push
Auger ID/OD:	
Borehole ID/OD:	2 inch
Sampler:	
Hammer Wt./Fall:	
Ground Elevation:	
Water Depth:	7 feet
Boring Depth:	12 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail
1					No recovery		
2					Silty sand and with gravel, brown, fine-grained (sand)	SM	
3	B5-3	12:18			Silty sand with minor gravel, dark gray, fine-grained	SM	
4					Silty clay, bluish-gray, dense	MH	
5					Silty sand and with gravel, brown, fine-grained (sand)	SM	
6					Sand, dark brown, fine-grained, well sorted, wet @	SP	
7					7.5 feet		
8							
9							
10							
11							
12							
13					Boring terminated at 12'		
14							
15							
16							
17							
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Notes:

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Project:	BLT Trucking
Location:	1100 S. 259th St. Kent, WA 98032
Client:	BLT Transport LLC

Boring ID: B6

Project Number: 0611-01-01

Date Start/Finish:	5/16/2016
Logged By:	C. Klein
Checked By:	B. Dixon
Contractor:	Standard Environmental Probe
Operator:	Chris Ross
Boring Location:	See Figure 3
Coordinates:	
Weather:	

Drilling Method:	Direct push
Auger ID/OD:	
Borehole ID/OD:	2 inch
Sampler:	
Hammer Wt./Fall:	
Ground Elevation:	
Water Depth:	7 feet
Boring Depth:	12 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail
1					No recovery		
2	B6-2	12:54			Silty sand and with gravel, brown, fine-grained (sand)	SM	
3					Sand, brown, fine-grained, well sorted	SP	
4							
5					Silty sand and with gravel, brown, fine-grained	SM	
6					Sand, dark brown, fine-grained, well sorted, wet @	SP	
7					7 feet		
8							
9							
10					Sand, gray, fine-grained, well sorted	SP	
11					Silty clay, greenish-gray, dense	MH	
12							
13					Boring terminated at 12'		
14							
15							
16							
17							
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Project:	BLT Trucking
Location:	1100 S. 259th St. Kent, WA 98032
Client:	BLT Transport LLC

Boring ID: B7

Project Number: 0601-01-01

Date Start/Finish:	5/16/2016
Logged By:	C. Klein
Checked By:	B. Dixon
Contractor:	Standard Environmental Probe
Operator:	Chris Ross
Boring Location:	See Figure 3
Coordinates:	
Weather:	

Drilling Method:	Direct push
Auger ID/OD:	
Borehole ID/OD:	2 inch
Sampler:	
Hammer Wt./Fall:	
Ground Elevation:	
Water Depth:	7 feet
Boring Depth:	12 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail
1					No recovery		
2	B7-2.5	1:28			Silty sand with gravel, brown, fine-grained (sand)	GM	
3					Silty sand, brown, very fine-grained, med. Dense	SM	
4					Sand, brown, fine-grained, well sorted	SP	
5					Silty sand, brown, very fine-grained, med. Dense	SM	
6					Sand, dark brown, fine-grained, well sorted, wet @	SP	
7					7 feet		
8							
9							
10							
11					Silty clay, greenish-gray, dense	MH	
12							
13					Boring terminated at 12'		
14							
15							
16							
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Project:	BLT Trucking
Location:	1100 S. 259th St. Kent, WA 98032
Client:	BLT Transport LLC

Boring ID: B8

Project Number: 0611-01-01

Date Start/Finish:	5/16/2016
Logged By:	C. Klein
Checked By:	B. Dixon
Contractor:	Standard Environmental Probe
Operator:	Chris Ross
Boring Location:	See Figure 3
Coordinates:	
Weather:	

Drilling Method:	Direct push
Auger ID/OD:	
Borehole ID/OD:	2 inch
Sampler:	
Hammer Wt./Fall:	
Ground Elevation:	
Water Depth:	7 feet
Boring Depth:	12 feet

Unified Soil Classification System

NON-COHESIVE SOILS	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
	GP	POORLY-GRADED GRAVEL
	GM	SILTY GRAVEL
	GC	CLAYEY GRAVEL
	SW	WELL-GRADED SAND, FINE TO COARSE SAND
	SP	POORLY-GRADED SAND
	SM	SILTY SAND
	SC	CLAYEY SAND
COHESIVE SOILS	ML	SILT
	CL	CLAY
	OL	ORGANIC SILT, ORGANIC CLAY
	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
	CH	CLAY OF HIGH PLASTICITY, FAT CLAY
	OH	ORGANIC CLAY, ORGANIC SILT
	PT	PEAT

Depth (ft bgs)	Sample No.	Time	PID Reading	Remarks: Odor, Sheen, Etc	Soil and Rock Description	Unified Classification	Well Construction Detail
1					No recovery		
2	B8-2	2:18			Silty sand with gravel, brown, fine-grained (sand)	GM	
3					Sand with minor silt, brown, very fine-grained, tight	SM	
4					Sand, brown, fine-grained, well sorted	SP	
5					Sand and gravel, brown, fine- to medium-grained	SM	
6					Sand, dark brown, fine-grained, well sorted, wet @	SP	
7					7.5 feet		
8							
9					No recovery below 8 feet		
10							
11							
12							
13					Boring terminated at 12'		
14							
15							
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