



Location of spill

X = Sample Locations

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

January 15, 2016

Nick Frantsevich, Project Manager
Greenbuild Development
PO Box 24810
Federal Way, WA 98092

Dear Mr. Frantsevich:

Included are the results from the testing of material submitted on January 12, 2016 from the Soil Test, F&BI 601116 project. There are 3 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: greenbuildnick@hotmail.com
NAA0115R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16

Date Received: 01/12/16

Project: Soil Test, F&BI 601116

Date Extracted: 01/13/16

Date Analyzed: 01/13/16

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
01 601116-01	<50	<250	101
02 601116-02	<50	<250	105
03 601116-03	<50	<250	105
Method Blank 06-075 MB2	<50	<250	79

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16

Date Received: 01/12/16

Project: Soil Test, F&BI 601116

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

Laboratory Code: 601111-03 (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	98	89	63-146	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	93	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.

601116

SAMPLE CHAIN OF CUSTODY

ME 01-12-16

A03

Report To

Nick Frantsevich

Company

Greenbuild Development

Address

PO Box 24810

City, State, ZIP

Federal Way, WA 98002

Phone

253 2692748

Email

greenbuildnick@hotmail.com

SAMPLERS (signature)

Page # _____ of _____

PROJECT NAME

PO #

TURNAROUND TIME

☐ Standard Turnaround☒ RUSH 24 hr

Rush charges authorized by: _____

REMARKS

INVOICE TO


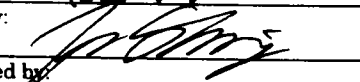
SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Archive Samples☐ Other _____

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM				
01	-01	-		Soil	1		X									
02	-02	-			1		X									
03	-03	-			1		X									

Samples received at 14 °C

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

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	Nick Frantsevich	Greenbuild Dev	1/12/16	5:30
Received by: 	Jen Shimizu	FB & I	1	1
Relinquished by:				
Received by:				

MARINE VACUUM SERVICE, INC.
PO BOX 24263
SEATTLE, WA 98124

01/12/2016

SALE

Total: \$1,303.14

Visa xxxxxxxxxxxx6667
Exp. Date: xx / xx
Name: NICK GREEN BUILD

Auth. Code:	09071G	QuickBooks Trans. No:	56602
Trans. ID:	PG0023348721	Merchant No.:	5247710004870044

Thank you for your business

CUSTOMER COPY

MARINE VACUUM SERVICE, INC.PO BOX 24263
SEATTLE, WA 98124Phone # 206-762-0240
Fax # 206-763-8084

CHARIESES@MARINEVACUUM.COM

INVOICE

Date	Invoice #
1/12/2016	56602

Bill To

NICK
2024 NW 62ND ST
BALLARD

Ship To

PUMP AS DIRECTED
EMERGENCY SPILL RESPONSE
BALLARD**PAID**
01/12/2016

P.O. No.

Terms

Quantity	U/M	Description	Rate	Amount
4	HR	1/11/2016***** PUMP AS DIRECTED		0.00
4	HR	VACTOR TRUCK & DRIVER OVERTIME	171.00	684.00
50	GAL	LABOR OVERTIME	70.00	280.00
100	GAL	USED OIL	0.50	25.00
		SLUDGE/SOLIDS	2.00	200.00
Due Date		1/12/2016	Sales Tax (9.6%)	
			\$114.14	TOTAL: \$1,303.14

This Shipping Order

must be legibly filled in, in Ink indelible Pencil, or in Carbon, and retained by the agent

Shipper No. 026647

Carrier No. _____

Page 1 of 4

MARINE VACUUM SERVICE, INC

(Name of carrier)

(SCAC)

Date 11-1-11-16

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: **MARINE VACUUM SERVICE INC**

Street **1516 S. GRAHAM ST**

City **SEATTLE** State **WA** Zip Code **98108**

FROM: Shipper

Street

City

State

Zip Code

24 hr. Emergency Contact Tel. No. **800-540-7491**

Route

Vehicle Number 220

No. of Units & Container Type

HM

BASIC DESCRIPTION

UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group

TOTAL QUANTITY
(Weight, Volume, Gallons, etc.)

WEIGHT
(Subject to Correction)

RATE

CHARGES
(For Carrier Use Only)

Now Regulated By DOT

Mud.

Willy Water

*100 gallons
50 gallons*

*4003 9010 1002 6667
10/19
#788*

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature _____

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$ _____

C.O.D. FEE: PREPAID ☐ COLLECT ☐ \$ _____

TOTAL CHARGES \$ _____

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to des-

ination and as to each party at any time/interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER

PER

DATE

MARINE VACUUM SERVICE, INC.

2

Permanent post-office address of shipper.