

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 10, 2011

James Leonard, Project Manager
Seattle Tank Services
PO Box 31516
Seattle, WA 98103

Dear Mr. Leonard:

Included are the results from the testing of material submitted on January 7, 2011 from the 15706 25th Ave SW, F&BI 101060 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
STK0110R.DOC

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Date of Report: 01/10/11
Date Received: 01/07/11
Project: 15706 25th Ave SW, F&BI 101060
Date Extracted: 01/07/11
Date Analyzed: 01/08/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL
USING METHOD NWTPH-Dx
Extended to Include Motor Oil Range Compounds
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Extended</u> (C ₁₀ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 53-144)
Tank Pit E 101060-01	9,000	119
Tank Pit Mid 101060-02	<50	106
Tank Pit W 101060-03	<50	104
Stockpile 1 101060-04	<50	105
Stockpile 2 101060-05	<50	105
Stockpile 3 101060-06	<50	106
Method Blank 01-0058 MB	<50	104

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Date of Report: 01/10/11

Date Received: 01/07/11

Project: 15706 25th Ave SW, F&BI 101060

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

Laboratory Code: 101041-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	97	95	64-133	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	58-147

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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.

A1 - More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

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. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

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

j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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.

101060

SAMPLE CHAIN OF CUSTODY

ME 01-07-11

AO1

Send Report To: James C. Leonard
 Company: Seattle Tank Services.
 Address: PO Box 31516
 City, State, ZIP: Seattle, WA 98103
 Phone #: (206) 938-2280 Fax #: (206) 933-1967

SAMPLERS (signature): *James C. Leonard*
 PROJECT NAME/NO.: 15706 25th Ave SW
 REMARKS: please see serials

Page # 1 of 1
 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	Time	Sample Type	# of containers	ANALYSES REQUESTED					Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOcs by 8270		HFS
Tank pit K	01	1/6/11	14:40	Soil	1	✓						
Tank pit mid	02	1/6/11	14:40	Soil	1	✓						
Tank pit W	03	1/6/11	14:40	Soil	1	✓						
Stockpile 1	04	1/6/11	14:40	Soil	1	✓						
Stockpile 2	05	1/6/11	14:40	Soil	1	✓						
Stockpile 3	06	1/6/11	14:40	Soil	1	✓						
												1001
												Samples received at 10°C
												1001 DV

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<i>James C. Leonard</i>	James C. Leonard	STS	1/7/11	11:15
<i>Janine Kieby</i>	Janine Kieby	Champion	1/7/11	11:15
<i>David</i>	David	Fehr	1/7/11	12:05

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