#### **ENVIRONMENTAL CHEMISTS**

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

January 25, 2022

Dan Whitman, Project Manager Whitman Environmental Sciences 6812 16<sup>th</sup> Ave NE Seattle, WA 98115

Dear Mr Whitman:

Included are the results from the testing of material submitted on January 18, 2022 from the LIT Lind, WES-1412, F&BI 201243 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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 WES0125R.DOC

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## CASE NARRATIVE

This case narrative encompasses samples received on January 18, 2022 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences LIT LIND WES-1412, F&BI 201243 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u> <u>Whitman Environmental Sciences</u>

201243 -01 MW-3R-GW

All quality control requirements were acceptable.

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Date of Report: 01/25/22 Date Received: 01/18/22

Project: LIT Lind, WES-1412, F&BI 201243

Date Extracted: 01/20/22 Date Analyzed: 01/21/22

## RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	Ethyl <u>Benzene</u>	Total <u>Xylenes</u>	Gasoline <u>Range</u>	Surrogate (% Recovery) (Limit 52-124)
MW-3R-GW <sup>201243-01</sup>	<1	<1	<1	<3	<100	84
Method Blank 02-148 MB	<1	<1	<1	<3	<100	79

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Date of Report: 01/25/22 Date Received: 01/18/22

Project: LIT Lind, WES-1412, F&BI 201243

# QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 201199-02 (Duplicate)

	Reporting	Sample	Duplicate	$\operatorname{RPD}$
Analyte	Units	Result	Result	(Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

		Percent			
	Reporting	Spike	Recovery	Acceptance	
Analyte	Units	Level	LCS	Criteria	
Benzene	ug/L (ppb)	50	103	65-118	
Toluene	ug/L (ppb)	50	101	72 - 122	
Ethylbenzene	ug/L (ppb)	50	108	73-126	
Xylenes	ug/L (ppb)	150	104	74-118	
Gasoline	ug/L (ppb)	1,000	104	69-134	

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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.
- 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 analyte 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 due to sample matrix effects.
- 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.

Report To Phone\_ Ph. (206) 285-8282 Address STV **2,012,43** Seattle, WA 98119:2029 3012 16th Avenue West Friedman & Bruya, Inc. City, State, ZIP Company Company Company Company Sample ID ÷ Email Size Michael Project specific RLs? - Yes / No Received by: Relinquished by: Relinquished by: Received by: 6/A C Lab ID SIGNATURE Sampled TANT THE CITCHES OF COUNTY Sampled Time REMARKS PROJECT NAME SAMPLERS (signature) MEN Sample Type # of Jars Khai Hora PRINT NAME NWTPH-Dx NWTPH-Gx BTEX EPA 8021 PO# NWTPH-HCID INVOICE TO ANALYSES REQUESTED VOCs EPA 8260 PAHs EPA 8270 PCBs EPA 8082 FBI COMPANY □ Other □ Archive samples Rush charges authorized by: AStandard turnaround Default: Dispose after 30 days Samples received at 15 oc Page#\_ TURNAROUND TIME SAMPLE DISPOSAL DATE Notes S.S. < Σ Σ TIME 15:G