ENVIRONMENTAL CHEMISTS

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October 12, 2016

David Baumgarten, Project Manager The Riley Group, Inc. 17522 Bothell Way NE Bothell, WA 98011

Dear Mr Baumgarten:

Included are the results from the testing of material submitted on October 6, 2016 from the 2016-049A, F&BI 610081 project. There are 4 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 TRG1012R.DOC

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CASE NARRATIVE

This case narrative encompasses samples received on October 6, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2016-049A, F&BI 610081 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	The Riley Group
610081 -01	MW-1A
610081 -02	MW-2A
610081 -03	MW-3A

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/12/16 Date Received: 10/06/16

Project: 2016-049A, F&BI 610081

Date Extracted: 10/07/16 Date Analyzed: 10/07/16

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-1A 610081-01	<1	<1	<1	<3	<100	94
MW-2A 610081-02	<1	<1	<1	<3	<100	96
MW-3A 610081-03	<1	<1	<1	<3	<100	96
Method Blank	<1	<1	<1	<3	<100	95

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Date of Report: 10/12/16 Date Received: 10/06/16

Project: 2016-049A, F&BI 610081

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: 610082-01 (Duplicate)

	Reporting	Sample	Duplicate	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	ke Recovery Accept				
Analyte	Units	Level	LCS	Criteria			
Benzene	ug/L (ppb)	50	96	65-118			
Toluene	ug/L (ppb)	50	96	72-122			
Ethylbenzene	ug/L (ppb)	50	90	73-126			
Xylenes	ug/L (ppb)	150	91	74-118			
Gasoline	ug/L (ppb)	1,000	91	69-134			

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.
- 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.
- ${
 m jl}$ 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.

Ph. (206) 285-8282	3012 16" Avenue West Seattle, WA 98119-2029	ن ن	 -					MW-3A	MW-2A	MW-IA	Sample ID		Phone 425-415-055/Email Abaumgartinoniby-com	City, State, ZIP Bothell , WA	Address 17522 Bothuld Way	Company RGT	Report To Dave Burngaten	610081
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