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Golden, CO 80403

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May 10, 2018

Mrs. Erin Briggs
Bio-Analytical Laboratories
3240 Spurgin Road
Doyline, LA 71023
USA

Dear Erin,

Thank you for participating in the WPM0418 Water Pollution Proficiency Testing Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Phenova. This report presents some additional sections and features which will give you more information on the study data for the standards that were reported by your laboratory and more information regarding the overall performance of your laboratory in relation to other study participants.

The enclosed report is in two sections, the "Evaluation Report" and the "Statistical Report". The "Evaluation Report" contains the evaluation of your reported data as well the reported method, analysis date and analyst. The "Evaluation Report" is an updated and enhanced version of the reports you previously received at the conclusion of our PT studies. The "Statistical Report" contains your passing percentage as well as statistics from the study for the analytes reported by your laboratory.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you.

Thank you again for participating in the WPM0418 Water Pollution Proficiency Testing Study. We appreciate working with you and look forward to our next study. If you have any questions, please call us at 866-942-2978.

Report Definitions:

Assigned Value

The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting

Evaluation Limits

Acceptance Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

Evaluation

Acceptable

The reported value falls within the Acceptance Limits.

Not Acceptable

The reported value falls outside the Acceptance Limits.

No Evaluation

The reported value is non-numeric and can not be evaluated.

NR

As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported).

***Study Mean and
Standard Deviation***

The mean and standard deviation are calculated from the study data using robust statistical calculations when possible. Other statistical calculations may be used if robust statistical calculations are not possible. The displayed values are independent of any statistical calculations required for the calculation of the analyte evaluation limits.

This report must not be reproduced except in full, without the written approval of Phenova.

This report must not be used to claim product certification, approval, or endorsement by the American Association for Laboratory Accreditation (A2LA) or any agency of the federal government.



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State Regulatory Agency Request(s):

Phenova has been authorized to send a copy of your WPM0418 final results to the following state agencies:
AR, LA and TX

Other Regulatory Agency Request(s):

No requests were made to send a copy of your WPM0418 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WPM0418 final results to a third party.

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Final Report - Water Pollution Proficiency Testing

Study: WPM0418

Opening Date: April 17, 2018 - Closing Date: May 3, 2018

Laboratory: Bio-Analytical Laboratories
3240 Spurgin Road
Doyline, LA 71023
USA

Contact: Mrs. Erin Briggs, Technical Director
(318) 745-2772

EPA Lab ID: LA00917

Micro (PT-MIC-WP)

Lot #: 5279-12B

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
2530	Fecal Coliform, MF	4/19/2018	EGB	20209603	SM 9222D - 20th Ed	CFU/100 mL	712	455.00	279 - 1820	Acceptable
2525	E. Coli, MF	4/19/2018	EGB	10236109	EPA 1603	CFU/100 mL	810	800.00	559 - 1170	Acceptable
2500	Total Coliform, MF					CFU/100 mL	832		380 - 1820	NR
2530	Fecal Coliform, MPN					MPN/100 mL	1090		477 - 2490	NR
2525	E. Coli, MPN					MPN/100 mL	902		546 - 1490	NR
2500	Total Coliform, MPN					MPN/100 mL	916		599 - 1400	NR

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PT Study Score Report

EPA ID: LA00917
Laboratory: Bio-Analytical Laboratories
3240 Spurgin Road
Doyline, LA 71023
USA

Study Number	Number of Reported Results	Number of Passing Results	Percent Passing
WPM0418	2	2	100%

Report Definitions:

<i>Number of Reported Results</i>	The number of results reported which could be evaluated. Results receiving an evaluation of "NR" or "No Evaluation" are not included.
<i>Number of Passing Results</i>	The number of results reported receiving an evaluation of "Acceptable" or "Check for Error".
<i>Percent Passing</i>	The percentage of results reported receiving an evaluation of "Acceptable" or "Check for Error".

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Statistical Summary Report - Water Pollution Proficiency Testing

Opening Date: April 17, 2018 - Closing Date: May 3, 2018

Laboratory: Bio-Analytical Laboratories
3240 Spurgin Road
Doyline, LA 71023
USA

Contact: Mrs. Erin Briggs, Technical Director
(318) 745-2772

EPA Lab ID: LA00917

Micro (PT-MIC-WP)		Lot #: 5279-12B				
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
2530	Fecal Coliform, MF	CFU/100 mL	714	216	39.2	256
2525	E. Coli, MF	CFU/100 mL	815	99.3	69.0	144
2500	Total Coliform, MF	CFU/100 mL	790	129	45.7	219
2530	Fecal Coliform, MPN	MPN/100 mL	1080	278	43.8	228
2525	E. Coli, MPN	MPN/100 mL	903	138	60.5	165
2500	Total Coliform, MPN	MPN/100 mL	900	111	65.4	153