

6390 Joyce Drive  
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Golden, CO 80403

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Fax 866-283-0269  
www.phenova.com

May 14, 2020

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

Dear Erin,

Thank you for participating in the WPM0420 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 WPM0420 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 Institute (TNI) criteria (ref: TNI FOT tables, TNI PT Committee) and other documents distributed by accrediting agencies as applicable.

**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 Institute (TNI) criteria (ref: TNI FOT tables, TNI 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 TNI 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. Various aspects of Phenova's proficiency testing schemes can from time to time be subcontracted. If subcontracting occurs, it is placed with a competent and qualified subcontractor and Phenova is responsible for all work performed. 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 WPM0420 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 WPM0420 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WPM0420 final results to a third party.

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## Final Report - Water Pollution Proficiency Testing

### Study: WPM0420

Opening Date: April 21, 2020 - Closing Date: May 7, 2020

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 #: 5327-12

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
2530	Fecal Coliform, MF	4/23/2020	EDW	20209603	SM9222D 2006	CFU/100 mL	887	940	339 - 2320	Acceptable
2525	E. Coli, MF	4/23/2020	EDW	60004344	HACH 10029, Rev. 10th	CFU/100 mL	905	483.3	356 - 2300	Acceptable
2500	Total Coliform, MF					CFU/100 mL	1110		764 - 1610	NR
2530	Fecal Coliform, MPN					MPN/100 mL	1030		404 - 2630	NR
2525	E. Coli, MPN					MPN/100 mL	1180		589 - 2350	NR
2500	Total Coliform, MPN					MPN/100 mL	1180		497 - 2800	NR



## 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
WPM0420	2	2	100%

### Report Definitions:

- Number of Reported Results**      The number of results reported which could be evaluated. Results receiving an evaluation of "NR" or "No Evaluation" are not included.
- Number of Passing Results**      The number of results reported receiving an evaluation of "Acceptable" or "Check for Error".
- Percent Passing**                      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 21, 2020 - Closing Date: May 7, 2020**

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

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

EPA Lab ID: LA00917

Micro (PT-MIC-WP)				Lot #: 5327-12		
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
2530	Fecal Coliform, MF	CFU/100 mL	893	289	38.2	262
2525	E. Coli, MF	CFU/100 mL	919	281	39.3	254
2500	Total Coliform, MF	CFU/100 mL	1120	133	68.8	145
2530	Fecal Coliform, MPN	MPN/100 mL	1000	274	39.2	255
2525	E. Coli, MPN	MPN/100 mL	1180	272	49.9	199
2500	Total Coliform, MPN	MPN/100 mL	1170	352	42.1	237