

**WP-MICRO**  
**FINAL Performance Evaluation Report**  
**NSI Laboratory Proficiency Testing Program**  
**Study MP-161 - Shipped: 03/01/2017 - Closed: 04/14/2017 - Reports Printed On: 04/24/2017**  
**Participant USEPA Labcode: LA00917**

Study Designed and Coordinated by:  
NSI Lab Solutions  
7212 ACC Blvd, Raleigh, NC 27617  
ANAB Certificate# AP-1693  
1-800-234-7837

**This evaluation report is being submitted to:**  
Bio-Analytical Laboratories  
Attention: Ginger Briggs  
PO Box 527  
Doyline, LA, 71023

**LabCode and Accreditation Information:**

**Send Results to:** State Only  
**EPA Lab Code:** LA00917  
**State Lab Code:** 30648  
**Primary Agency:** LA -- LDEQ/OEALaboratory Services Division  
Add'l Agencies below  
Paul Bergeron  
602 North 5th Street  
Baton Rouge, LA 70802  
**Reports to :** AR LA TX

**Participant Information**

**NSI Lab Code:** N01725

This report was submitted by Erin G Briggs, Technical Director.

Bio-Analytical Laboratories  
PO Box 527  
Doyline, LA, 71023  
318-745-2772

Please contact Mark Hammersta at NSI Lab Solutions if you have any questions about this report.  
(800) 234-7837 - mark.hammersta@nsilabsolutions.com

This PT report may contain data not covered under ANAB Accreditation. Such data is noted by an asterisk.

**MIC-003 Coliforms/E.coli - Bio-Analytical Laboratories - NSI Lab Solutions/MP-161**

ANELAC Analyte # Analyte	ANELAC Method Code	ANELAC Tech. Code	Method Description	Reported Study Value Mean*	Assigned Value	Units	Acceptance Limits	Z-Score	Evaluation	Analysis Date	Analyst's Name
2530 Fecal Coliform, MF	20209603	n/a	SM 9222 D (m-FC) 20h ED 1997	490	348	cfu/100mL	57.0 to 1670	0.829	ACCEPT.	3/29/17	Erin G Briggs
2525 E.coli, MF	10236109	n/a	EPA 1603	755	703	cfu/100mL	562 to 877	0.988	ACCEPT.	3/29/17	Erin G Briggs
2500 Total Coliform, MF	-- Not Reported --										
2500 Total Coliform, MPN	-- Not Reported --										
2530 Fecal Coliform, MPN	-- Not Reported --										
2525 E.coli, MPN	-- Not Reported --										

**About the Samples**

The PT samples supplied to participant laboratories are provided as stabilized, dehydrated pure cultures of known activity. The dehydrated samples require rehydration in supplied buffer prior to analysis.

**Assigned Values**

Assigned values for quantitative analytes are set to the mean of our internal homogeneity test as per NELAC.

**Batch Homogeneity**

The homogeneity of each PT sample production lot is verified by analysis of 20 randomly chosen samples.

**Acceptance Limits**

Acceptance limits are set at  $\pm 3$  standard deviations around the study mean as per current NELAC requirements.

**Stability**

The stability of each PT sample is verified at study close through re-analysis of retained samples.

**Z-Scores**

Z-Scores have been added to our reports for informational purposes. The z-score is an internationally recognized PT grading criterion where any z-score  $< -3$  is considered an acceptable evaluation.  $z = (X - \mu) / \sigma$  where X is the reported value,  $\mu$  is the study mean and  $\sigma$  is the study standard deviation after log transformation. It should be noted that the overall evaluations continue to be determined in a manner conforming with the current NELAC/TNI criteria.

**Accredited Analytes**

All analytes are included under our ISO 17043/TNI scope of accreditation (Certificate #: AP-1693) unless otherwise noted with an asterisk (\*).

**PT Study Summary**

To view a summary of the PT study results, please see Study Summary Report available in our PT DataLink at [www.nsilabsolutions.com](http://www.nsilabsolutions.com).

\* The study mean and standard deviation are presented after outlier correction and are based upon pooled reported results without consideration for analytical technology.

Reviewed/Approved By: \_\_\_\_\_



Mark Hammersla, President

Date: \_\_\_\_\_



**Add'l Agencies:**

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Should you disagree with any element of this PT report, please submit your complaint to [nsi@nsilabsolutions.com](mailto:nsi@nsilabsolutions.com). Include the study number, your contact information, NSI Labcode, and the nature of your disagreement. An NSI Lab Solutions representative will contact you within 48 hours.