

6390 Joyce Drive  
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Golden, CO 80403

Phone 303-940-0033  
Fax 866-283-0269  
www.phenova.com

May 13, 2021

Ms. Kelley Keenan  
Environmental Testing Solutions, Inc.  
351 Depot Street  
Asheville, NC 28801  
USA

Dear Kelley,

Thank you for participating in the WPM0421 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 WPM0421 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 WPM0421 final results to the following state agencies:

NC

Other Regulatory Agency Request(s):

No requests were made to send a copy of your WPM0421 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WPM0421 final results to a third party.

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## Final Report - Water Pollution Proficiency Testing

### Study: WPM0421

Opening Date: April 20, 2021 - Closing Date: May 6, 2021

Laboratory: Environmental Testing Solutions, Inc.  
351 Depot Street  
Asheville, NC 28801  
USA

Contact: Ms. Kelley Keenan  
828-350-9364

EPA Lab ID: NC01230

### Micro MPN-Multiple Tube (PT-MICT-WP)

Lot #: 5351-25

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
2530	Fecal Coliform, MPN-Multiple Tube	4/21/2021	KEK	20191859	SM 9221 C E-2006	MPN/100 mL	716	490	116 - 4420	Acceptable
2525	E. Coli, MPN-Multiple Tube					MPN/100 mL	743		155 - 3570	NR
2500	Total Coliform, MPN-Multiple Tube					MPN/100 mL	742		126 - 4370	NR



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## PT Study Score Report

EPA ID: NC01230  
 Laboratory: Environmental Testing Solutions, Inc.  
 351 Depot Street  
 Asheville, NC 28801  
 USA

Study Number	Number of Reported Results	Number of Passing Results	Percent Passing
WPM0421	1	1	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 20, 2021 - Closing Date: May 6, 2021**

Laboratory: Environmental Testing Solutions, Inc.  
351 Depot Street  
Asheville, NC 28801  
USA

Contact: Ms. Kelley Keenan  
828-350-9364

EPA Lab ID: NC01230

Micro MPN-Multiple Tube (PT-MICT-WP)						Lot #: 5351-25
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
2530	Fecal Coliform, MPN-Multiple Tube	MPN/100 mL	761	444	16.2	617
2525	E. Coli, MPN-Multiple Tube	MPN/100 mL	839	434	20.9	480
2500	Total Coliform, MPN-Multiple Tube	MPN/100 mL	799	451	17.0	589