



October 16, 2014

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

Dear Kelley,

Thank you for participating in the WSM0914 Water Supply 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 WSM0914 Water Supply 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 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 (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

### ***Evaluation***

<i>Acceptable</i>	The reported value falls within the Acceptance Limits.
<i>Not Acceptable</i>	The reported value falls outside the Acceptance Limits.
<i>No Evaluation</i>	The reported value is non-numeric and can not be evaluated.
<i>NR</i>	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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# 100  
Golden, CO 80403

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

State Regulatory Agency Request(s):

Phenova has been authorized to send a copy of your WSM0914 final results to the following state agencies:

NC

Other Regulatory Agency Request(s):

No requests were made to send a copy of your WSM0914 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WSM0914 final results to a third party.

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## Final Report - Water Supply Proficiency Testing

### Study: WSM0914

**Opening Date: September 16, 2014 - Closing Date: October 10, 2014**

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

Contact: Ms. Kelley Keenan  
828-350-9364

EPA Lab ID: NC01230

### Source Water Micro (PT-SW-WS)

**Lot #: 5189-14**

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
2530	Fecal Coliform, MF					CFU/100 mL	107		86 - 132	NR
2525	E. Coli, MF					CFU/100 mL	105		95 - 115	NR
2500	Total Coliform, MF					CFU/100 mL	99		78 - 126	NR
2530	Fecal Coliform, MPN					MPN/100 mL	198		43.2 - 913	NR
2525	E. Coli, MPN	9/22/2014	KEK	20211409	SM 9223 B-2004, revision 2011 (Colilert® Quanti-Tray®)	MPN/100 mL	116	117.8	74.5 - 179	Acceptable
2500	Total Coliform, MPN					MPN/100 mL	114		66.6 - 197	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
WSM0914	1	1	100%

### Report Definitions:

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



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## Statistical Summary Report - Water Supply Proficiency Testing

**Opening Date: September 16, 2014 - Closing Date: October 10, 2014**

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

Contact: Ms. Kelley Keenan  
828-350-9364

EPA Lab ID: NC01230

### Source Water Micro (PT-SW-WS)

**Lot #: 5189-14**

NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
2530	Fecal Coliform, MF	CFU/100 mL	107	13.5	80.4	123
2525	E. Coli, MF	CFU/100 mL	105	5.48	90.5	110
2500	Total Coliform, MF	CFU/100 mL	105	5.44	78.8	127
2530	Fecal Coliform, MPN	MPN/100 mL	202	140	21.8	461
2525	E. Coli, MPN	MPN/100 mL	117	24.7	64.2	154
2500	Total Coliform, MPN	MPN/100 mL	115	28.4	58.4	173