



6390 Joyce Drive Pho # 100 Fax Golden, CO 80403 www

 Phone
 303-940-0033

 Fax
 866-283-0269

 www.phenova.com

August 22, 2014

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

Dear Kelley,

Thank you for participating in the WSM0714 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 WSM0714 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.





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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	
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.

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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.





State Regulatory Agency Request(s):

Phenova has been authorized to send a copy of your WSM0714 final results to the following state agencies: NC

Other Regulatory Agency Request(s):

No requests were made to send a copy of your WSM0714 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WSM0714 final results to a third party.





Final Report - Water Supply Proficiency Testing

Study: WSM0714

Opening Date: July 22, 2014 - Closing Date: August 15, 2014

Laboratory:	Environmental Testing Solutions, Inc. 351 Depot Street	Contact:	Ms. Kelley Keenan 828-350-9364
	Asheville, NC 28801 USA	EPA Lab ID:	NC01230

Micr	'0 (P	resence/Absence)	(PT-MIC-WS)						Lot #	#: 5187-0′
				Complete	Analyte Eval	uation				
	The co	omplete analyte evaluation(s) are	based on the results for t		nples. The Eva ves are reported		Acceptable" if nine of ten	samples are A	cceptable, and i	no false
NEL. Cod		Analyte Evaluation								
253	30	Fecal Coliform						NR		
252	25	E.Coli						Accepta	able	
250	00	Total Coliform						Accepta	able	
				Individual S	Sample Eval	uation				
NELAC Code		Analyte	Analysis Date	Analyst	Method Code	Ме	thod Description	Assigned Value	Result	Evaluation
Sample			1		- T	1		1	11	
2530		Coliform						Absence		NR
2525	E.Col	i	7/23/2014	KEK	20212402	SM 9223	B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
2500	Total	Coliform	7/23/2014	KEK	20212402	SM 9223	B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable
Sample	2									
2530	Fecal	Coliform						Absence		NR
2525	E.Col	i	7/23/2014	KEK	20212402	SM 9223	B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
2500	Total	Coliform	7/23/2014	KEK	20212402	SM 9223	B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
Sample	3		· · ·					·		
2530	Fecal	Coliform						Presence		NR
2525	E.Col	i	7/23/2014	KEK	20212402	SM 9223	B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable
2500	Total	Coliform	7/23/2014	KEK	20212402	SM 9223	B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable





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	Asheville, NC 28801
	USA

Contact: Ms. Kelley Keenan 828-350-9364

EPA Lab ID: NC01230

Mic	ro (Presence/Absence) (PT-MIC-WS)	cont'd				Lot #	#: 5187-0
IELAC	Analyte	Analysis	Analyst	Method	Method Description	Assigned	Result	Evaluation
Code		Date		Code		Value		
Sample	4							
2530	Fecal Coliform					Absence		NR
2525	E.Coli	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
2500	Total Coliform	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
Sample	5							
2530	Fecal Coliform					Absence		NR
2525	E.Coli	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
2500	Total Coliform	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
Sample	6	· · ·						
2530	Fecal Coliform					Presence		NR
2525	E.Coli	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable
2500	Total Coliform	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable
Sample	27							
2530	Fecal Coliform					Absence		NR
2525	E.Coli	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
2500	Total Coliform	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable
Sample	8							
2530	Fecal Coliform					Absence		NR
2525	E.Coli	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
2500	Total Coliform	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable





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	Asheville, NC 28801
	USA

Contact: Ms. Kelley Keenan 828-350-9364

EPA Lab ID: NC01230

Micr	o (Presence/Absence) (PT	-MIC-WS)					Lot #: 5187-01	
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Assigned Value	Result	Evaluation
Sample	9	Date		Code		value		
2530	Fecal Coliform					Absence		NR
2525	E.Coli	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Absence	Absence	Acceptable
2500	Total Coliform	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable
Sample	10							
2530	Fecal Coliform					Presence		NR
2525	E.Coli	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable
2500	Total Coliform	7/23/2014	KEK	20212402	SM 9223 B (Colilert®) Rev.21st ED 2005	Presence	Presence	Acceptable





Final Report - Water Supply Proficiency Testing

Study: WSM0714

Opening Date: July 22, 2014 - Closing Date: August 15, 2014

Laboratory:	Environmental Testing Solutions, Inc. 351 Depot Street	Contact:	Ms. Kelley Keenan 828-350-9364
	Asheville, NC 28801 USA	EPA Lab ID:	NC01230

Sou	rce Water Micro (PT-SW-W	'S)							Lot a	#: 5187-14
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
2530	Fecal Coliform, MF					CFU/100 mL	82		40 - 168	NR
2525	E. Coli, MF					CFU/100 mL	104		77 - 140	NR
2500	Total Coliform, MF					CFU/100 mL	114		87 - 149	NR
2530	Fecal Coliform, MPN					MPN/100 mL	144		81.4 - 255	NR
2525	E. Coli, MPN	7/23/2014	KEK	20211409	SM 9223 B (Colilert® Quanti-Tray®) Rev.21st ED 2005	MPN/100 mL	116	179	75.9 - 178	Not Acceptable
2500	Total Coliform, MPN					MPN/100 mL	119		73.1 - 192	NR





PT Study Score Report

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

	Number of	Number of	
Study Number	Reported Results	Passing Results	Percent Passing
WSM0714	23	22	95.7%

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 Supply Proficiency Testing

Study: WSM0714

Opening Date: July 22, 2014 - Closing Date: August 15, 2014 Laboratory: Environmental Testing Solutions, Inc. Contact:

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

USA

Ms. Kelley Keenan 828-350-9364

EPA Lab ID: NC01230

Micr	o (Presence/Absence) (P	Lot #: 5187-01				
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
Sample				T		1
2530	Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A
Sample			1	1		1
2530	Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A
Sample				· · · · ·		1
2530	Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A
Sample						N I/A
2530	Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A
Sample			NI/A	NI/A	N1/A	NI/A
2530	Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A
Sample 2530	6 Fecal Coliform		N/A	N/A	N/A	N/A
2530	E.Coli		N/A N/A	N/A N/A	N/A N/A	N/A N/A
2525	Total Coliform		N/A N/A	N/A N/A	N/A N/A	N/A N/A
			N/A	N/A	N/A	N/A
Sample 2530	/ Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A N/A
2525	Total Coliform		N/A N/A	N/A	N/A	N/A N/A
Sample			IN/A	IN/A	IN/A	IN/A
2530	o Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A
Sample			11/7			11/7
2530	Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A
Sample						
2530	Fecal Coliform		N/A	N/A	N/A	N/A
2525	E.Coli		N/A	N/A	N/A	N/A
2500	Total Coliform		N/A	N/A	N/A	N/A





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EPA Lab ID: NC01230

Contact:

Source Water Micro (PT-SW-WS) Lot #: 5187-1							
NELAC	Analyte	Units	Study	Study	Low Acceptance	High Acceptance	
Code			Mean	Standard	Limit %	Limit %	
				Deviation			
2530	Fecal Coliform, MF	CFU/100 mL	85.5	36.9	48.8	205	
2525	E. Coli, MF	CFU/100 mL	105	18.3	74.0	135	
2500	Total Coliform, MF	CFU/100 mL	120	5.84	76.3	131	
2530	Fecal Coliform, MPN	MPN/100 mL	138	32.4	56.5	177	
2525	E. Coli, MPN	MPN/100 mL	115	23.4	65.4	153	
2500	Total Coliform, MPN	MPN/100 mL	119	28.2	61.4	161	