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April 26, 2018

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

Dear Kelley,

Thank you for participating in the WP0318 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 WP0318 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.





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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
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.

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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State Regulatory Agency Request(s):

Phenova has been authorized to send a copy of your WP0318 final results to the following state agencies:

AL, GA, KY, NC, SC and TN

Other Regulatory Agency Request(s):

No requests were made to send a copy of your WP0318 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WP0318 final results to a third party.





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Final Report - Water Pollution Proficiency Testing

Study: WP0318

Opening Date: March 5, 2018 - Closing Date: April 19, 2018

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

Mine	erals 1 (PT-MIN1-WP)								Lot #	#: 8187-0 8
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
1505	Total Alkalinity(as CaCO3)					mg/L	246		209 - 283	NR
1540	Bromide					mg/L	8.86		7.56 - 10.2	NR
1575	Chloride	4/3/2018	KEK	20079203	SM 4500-CI C-2011	mg/L	249	241	220 - 278	Acceptable
1730	Fluoride					mg/L	3.79		3.07 - 4.35	NR
2000	Sulfate					mg/L	111		93.1 - 127	NR
Addit	ional State Specific Analytes									
1813	Total Inorganic Carbon					mg/L	58.7		47.0 - 70.5	NR





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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
WP0318	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: March 5, 2018 - Closing Date: April 19, 2018

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

EPA Lab ID: NC01230

Mine	Minerals 1 (PT-MIN1-WP) Lot #: 8187-08						
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %	
1505	Total Alkalinity(as CaCO3)	mg/L	244	16.0	85.0	115	
1540	Bromide	mg/L	8.56	0.280	85.3	115	
1575	Chloride	mg/L	251	13.1	88.4	112	
1730	Fluoride	mg/L	3.76	0.122	81.0	115	
2000	Sulfate	mg/L	108	3.67	83.9	114	
Additional State Specific Analytes							
1813	Total Inorganic Carbon	mg/L	N/A	0.00	80.1	120	