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Golden, CO 80403

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June 5, 2014

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

Dear Kelley,

Thank you for participating in the WP0414 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 WP0414 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 (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.

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 WP0414 final results to the following state agencies:
KY, NC and SC

Other Regulatory Agency Request(s):

No requests were made to send a copy of your WP0414 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WP0414 final results to a third party.

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Final Report - Water Pollution Proficiency Testing

Study: WP0414

Opening Date: April 7, 2014 - Closing Date: May 22, 2014

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

Contact: Ms. Kelley Keenan
828-350-9364

EPA Lab ID: NC01230

Minerals 2 - Hardness (PT-MIN2-WP)

Lot #: 8144-102

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
1035	Calcium					mg/L	23.6		20.1 - 27.2	NR
1550	Calcium Hardness (as CaCO ₃)					mg/L	59.1		50.2 - 67.9	NR
1755	Total Hardness (as CaCO ₃)	5/13/2014	KEK	20047603	SM 2340 C-1997, Rev. 2011	mg/L	94.3	90	80.1 - 108	Acceptable
1085	Magnesium					mg/L	8.55		7.27 - 9.84	NR
1125	Potassium					mg/L	35.3		28.2 - 42.3	NR
1155	Sodium					mg/L	81.3		65.0 - 97.5	NR



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PT Study Score Report

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

Study Number	Number of Reported Results	Number of Passing Results	Percent Passing
WP0414	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 7, 2014 - Closing Date: May 22, 2014

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

Contact: Ms. Kelley Keenan
 828-350-9364

EPA Lab ID: NC01230

Minerals 2 - Hardness (PT-MIN2-WP)					Lot #: 8144-102	
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
1035	Calcium	mg/L	23.5	1.22	85.2	115
1550	Calcium Hardness (as CaCO3)	mg/L	59.3	2.96	84.9	115
1755	Total Hardness (as CaCO3)	mg/L	92.5	4.05	84.9	115
1085	Magnesium	mg/L	7.97	0.532	85.0	115
1125	Potassium	mg/L	34.9	2.06	79.9	120
1155	Sodium	mg/L	81.0	4.34	80.0	120