



6390 Joyce Drive
100
Golden, CO 80403

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

June 23, 2016

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

Dear Kelley,

Thank you for participating in the WP0516 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 WP0516 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

<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.



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State Regulatory Agency Request(s):

Phenova has been authorized to send a copy of your WP0516 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 WP0516 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your WP0516 final results to a third party.

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Final Report - Water Pollution Proficiency Testing

Study: WP0516

Opening Date: May 2, 2016 - Closing Date: June 16, 2016

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

Contact: Ms. Kelley Keenan
828-350-9364

EPA Lab ID: NC01230

Demand (PT-DEM-WP)

Lot #: 8167-07

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
1530	BOD	5/5/2016	KEK	20135017	SM 5210 B-2001, Rev. 2011	mg/L	38.4	27.8	18.8 - 63.9	Acceptable
1555	CBOD					mg/L	38.4		14.2 - 63.9	NR
1565	COD					mg/L	59.5		41.4 - 75.0	NR
2040	TOC					mg/L	23.5		19.1 - 27.9	NR

Solids (PT-SOL-WP)

Lot #: 8167-09

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
1955	Total Dissolved Solids at 180° (TFR)	5/5/2016	KEK	20050424	SM 2540 C-1997, Rev. 2011	mg/L	208	204	163 - 253	Acceptable
1960	Non-Filterable Residue (TSS)					mg/L	20.7		12.9 - 26.1	NR
1950	Total Solids					mg/L	229		184 - 274	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
WP0516	2	2	100%

Report Definitions:

<i>Number of Reported Results</i>	The number of results reported which could be evaluated. Results receiving an evaluation of "NR" or "No Evaluation" are not included.
<i>Number of Passing Results</i>	The number of results reported receiving an evaluation of "Acceptable" or "Check for Error".
<i>Percent Passing</i>	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: May 2, 2016 - Closing Date: June 16, 2016

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

Contact: Ms. Kelley Keenan
828-350-9364

EPA Lab ID: NC01230

Demand (PT-DEM-WP)						Lot #: 8167-07
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
1530	BOD	mg/L	34.9	8.63	49.0	166
1555	CBOD	mg/L	34.6	7.46	37.0	166
1565	COD	mg/L	53.3	5.71	69.6	126
2040	TOC	mg/L	27.1	3.46	81.3	119

Solids (PT-SOL-WP)						Lot #: 8167-09
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
1955	Total Dissolved Solids at 180° (TFR)	mg/L	210	11.9	78.4	122
1960	Non-Filterable Residue (TSS)	mg/L	20.0	1.52	62.3	126
1950	Total Solids	mg/L	244	40.4	80.3	120