



A Waters Company

Thekkekalathil Chandrasekhar
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WP-201



Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 10/14/11

Close Date: 11/28/11

Report Issued Date: 12/19/11



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December 19, 2011

Thekkekalathil Chandrasekhar
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Enclosed is your final report for ERA's WP-201 WatR™Pollution Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's WP-201 WatR™Pollution Proficiency Testing study have been evaluated using the following tiered approach. If the analyte is listed in the current TNI Fields of Proficiency Testing (FoPT) tables, the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the current TNI FoPT tables. If the analyte is not included in the TNI FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 0260).

Please note the following changes to our final reports:

- At the request of the TNI Accreditation Council, we have included a Laboratory Exception Report that includes a list of all analytes reported with less than qualifiers when the assigned value was greater than "0." In addition, because we have received many requests from laboratories, this report also includes a list of all analytes with "Not Acceptable" evaluations.
- Some states have elected not to convert to the 2009 TNI Standards at this time. If you have released your results to a state that has retained the 2003 NELAC Evaluation Criteria, your final report will include a section that evaluates the results according to the 2003 Standard in addition to the 2009 TNI Standards.

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (Quik™Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have well over three hundred years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be helpful in helping you work through your technical issues.

Thank you for your participation in ERA's WP-201 WatR™Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

Jay R. McBurney
Quality Program Manager

attachments
jrm



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Report Recipient	Contact/Phone Number	Reporting Type	Evaluation Type
Florida	Steve Arms / 904-791-1502	All Analytes	2009 TNI



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WP-201 Definitions & Study Discussion

Study Dates: 10/14/11 - 11/28/11

Report Issued: 12/19/11

WP Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current TNI Fields of Proficiency Testing (FoPT) tables. A parameter not added to the standard is given an Assigned Value of "< PTRL" per the guidelines contained in the 2009 TNI Standards. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards.

The Acceptance Limits are established per the criteria contained in the most current USEPA/NELAC FoPT tables, or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

Acceptable	= Reported Value falls within the Acceptance Limits.
Not Acceptable	= Reported Value falls outside the Acceptance Limits.
No Evaluation	= Reported Value cannot be evaluated.
Not Reported	= No Value reported.

The Method Description is the method the laboratory reported to ERA.

WP Study Discussion

ERA's WP-201 WatR™Pollution Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2009 TNI PT Standard and the criteria contained in the most current TNI Fields of Proficiency Testing (FoPT) tables.

ERA's WP-201 WatR™Pollution study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the 2009 TNI PT Standard and the criteria contained in the most current TNI FoPT tables.

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's WP-201 WatR™Pollution study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's WatR™Pollution Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.





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WP-201 Laboratory Exception Report

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EPA ID:
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2009 TNI Evaluation Check: There are no values reported with < where the assigned value was greater than 0.

2009 TNI Not Acceptable Evaluations: There were no Not Acceptable evaluations for this study.



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01



Final Report Results For Laboratory State of Florida DEP Biology Laboratory



2009 TNI Evaluation Report

Study: **WP-201**

ERA Customer Number: **S744813**

Laboratory Name: **State of Florida DEP
Biology Laboratory**

Inorganic Results



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WP-201 2009 TNI Evaluation Final Complete Report

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EPA ID: FLO1181
ERA Customer Number: S744813
Report Issued: 12/19/11
Study Dates: 10/14/11 - 11/28/11

NELAC Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
WP Total Residual Chlorine (cat# 587)												
1940	Total Residual Chlorine	mg/L	1.09	1.14	0.820 - 1.42	Acceptable	SM4500Cl G online	10/21/2011	-0.491	1.13	0.0829	FAIRCLOT_J



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01



2009 TNI Evaluation Report

Study: **WP-201**

ERA Customer Number: **S744813**

Laboratory Name: **State of Florida DEP
Biology Laboratory**

Microbiology Results

WP-201 2009 TNI Evaluation Final Complete Report

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NELAC Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
WP WasteWatTM Coliform MicrobETM (cat# 576)												
2500	Total Coliforms (MF)	CFU/100mL	460	480	137 - 1220	Acceptable	SM9222B M endo online	10/27/2011	0.284	409	180	SAVAGE_J
2530	Fecal Coliforms (MF)	CFU/100mL	400	480	34.0 - 1150	Acceptable	SM9222D m FC online	10/27/2011	1.08	198	186	CHEN_M
2525	E.coli (MF)	CFU/100mL	450	480	82.0 - 1430	Acceptable	SM9213D mTEC online	10/27/2011	0.477	343	225	SAVAGE_J
2500	Total Coliforms (MPN)	MPN/100mL		566	93.5 - 2160	Not Reported				450	345	
2530	Fecal Coliforms (MPN)	MPN/100mL	110	566	21.4 - 3940	Acceptable	SM9221E EC online	10/27/2011	-0.276	290	653	TAMAYO_D
2525	E.coli (MPN)	MPN/100mL		566	159 - 1600	Not Reported				504	240	
WP Enterococci (cat# 880)												
2520	Enterococci (MF)	CFU/100mL	380	344	255 - 694	Acceptable	EPA 1600 2002	10/27/2011	-0.558	421	73.1	SAVAGE_J
2520	Enterococci (MPN)	MPN/100mL		499	180 - 1140	Not Reported				454	161	
2540	Fecal Streptococci (MF)	CFU/100mL		344	74.0 - 1270	Not Reported				308	200	
2540	Fecal Streptococci (MPN)	MPN/100mL		499	54.5 - 5370	Not Reported				541	887	