



A Waters Company

Thekkekalathil Madhavan Chandrasekhar
State of Florida DEP Biology Laboratory
2600 Blair Stone Rd
MS 6512, Room A416D
Tallahassee, FL 32399-2400
USA

123015E



Final Report

QuiKTM Response Proficiency Testing



A Waters Company

February 4, 2016

Thekkekalathil Madhavan Chandrasekhar
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Enclosed is your final report for ERA's QuiK™Response program. Your final report includes an evaluation of all results submitted by your laboratory to ERA. None of the assigned value(s) or acceptance limits were available to your laboratory at or before the time of reporting.

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.

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 the quality of your routine data.

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

If you are using this report for DMR-QA 35 Corrective Action, please note the following: permittees must submit a copy of this report to your DMR-QA Coordinator, along with your corrective action documentation by October 23, 2015. Contract Laboratories should send a copy of this report to your permittees upon receipt.

Thank you for your participation in ERA's QuiK™Response program. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

David Kilhefner
Quality Officer

cc: Project File Number 123015E



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Report Recipient	Contact/Phone Number	Reporting Type	Evaluation Type
Florida	Vanessa Soto / 904-791-1599	All Analytes	2009 TNI



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123015E Laboratory Exception Report

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(850) 245-8075

EPA ID:
ERA Customer Number:

FL01181
S744813

2009 TNI Evaluation Checks

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

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

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Final Report Results For Laboratory State of Florida DEP Biology Laboratory



2009 TNI Evaluation Report

Project Number: **123015E**

ERA Customer Number: **S744813**

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

Microbiology Results





A Waters Company

123015E 2009 TNI Evaluation Final Complete Report

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TNI 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
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WP WasteWatR™ Coliform MicrobE™ (cat# 083, lot# 123015E) Study Dates: 12/30/15 - 02/04/16

2500	Total Coliforms (MF)	CFU/100mL		345	164 - 572	Not Reported				307	67.9	
2530	Fecal Coliforms (MF)	CFU/100mL	140	345	6.00 - 1020	Acceptable	SM 9222 D (m-FC)-1997 1997	1/12/2016	0.696	76.9	169	RANKIN_A
2525	E.coli (MF)	CFU/100mL	56	345	25.0 - 1160	Acceptable	SM 9213 D-1997 1997	1/12/2016	-1.76	172	190	RANKIN_A
2500	Total Coliforms (MPN)	MPN/100mL		587	257 - 842	Not Reported				465	97.5	
2530	Fecal Coliforms (MPN)	MPN/100mL		587	72.1 - 1860	Not Reported				367	298	
2525	E.coli (MPN)	MPN/100mL		587	193 - 1250	Not Reported				491	177	

Per Section 6.4.3 a of the 2009 TNI Standard, "The assigned values for quantitative microbiology analytes shall be equal to the mean of the assigned value verification and/or homogeneity testing per Sections 7.1 and 7.2". The final acceptance limits are derived from the calculated study mean and study standard deviation from laboratory-reported results. Disagreement between the assigned values and study means/acceptance limits are due to the inherent variability of microbiology methods and differences in the methods used by ERA and participant laboratories. For quantitative microbiology analytes, the assigned value is not used in the evaluation of laboratories.



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

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