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WatR™ Supply Proficiency Testing

WatR™ Supply Study

Open Date: 01/11/10

Close Date: 02/25/10

Report Issued Date: 03/16/10

March 16, 2010

Kelley E. Keenan
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Enclosed is your final report for ERA's WS-162 WatR™ Supply 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 WS-162 WatR™ Supply Proficiency Testing (PT) study have been evaluated using the following tiered approach. If the analyte is listed in the most current National Environmental Laboratory Accreditation Conference (NELAC) PT Field of Testing tables, the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the NELAC FoPT tables. If the analyte is not included in the NELAC 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).

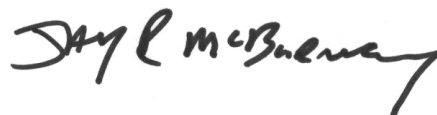
Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (Quik™ Response) or future ERA PT study. ERA's 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 WS-162 WatR™ Supply Proficiency Testing study. If you have any questions, please contact myself, or Curtis Wood, Director of Regulatory Affairs and Business Development, at 1-800-372-0122.

Sincerely,



Shawn Kassner
Proficiency Testing Manager



Jay R. McBurney
Quality Program Manager

attachments
smk

Report Recipient	Contact/Phone Number	Reporting Type
North Carolina (WS)	Cindy Price / 919-733-7308	All Analytes

WS-162 Definitions & Study Discussion

Study Dates: 01/11/10 - 02/25/10

Report Issued: 03/16/10

WS Study Definitions

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

The ERA Assigned Values are compliant with the most current USEPA/NELAC FoPT tables. A parameter not added to the standard is given an Assigned Value of "0" per the guidelines contained in the USEPA's Criteria Document and NELAC 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.

WS Study Discussion

ERA's WS-162 WatR™ Supply Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the USEPA's National Standards for Water Proficiency Testing Studies Criteria Document (December 1998), and the criteria contained in the most current NELAC FoPT tables.

ERA's WS-162 WatR™ Supply 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 in the standards met the acceptance criteria contained in the USEPA's National Criteria Document for Water Proficiency Testing Studies, December 1998, and the criteria contained in the most current NELAC 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 WS-162 WatR™ Supply 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™ Supply Proficiency Testing program, please contact Shawn Kassner, Proficiency Testing Manager, or Curtis Wood, Director of Regulatory Affairs and Business Development, at 1-800-372-0122.



Study: **WS-162**

ERA Customer Number: **E559701**

Laboratory Name: **Environmental Testing
Solutions, Inc.**

Inorganic Results



WS-162 Final Complete Report

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 828-350-9364

EPA ID: NC01230
 ERA Customer Number: E559701
 Report Issued: 03/16/10
 Study Dates: 01/11/10 - 02/25/10

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WS Inorganics (cat# 591)							
0027	Alkalinity as CaCO3	mg/L		80.9	72.8 - 89.0	Not Reported	
1575	Chloride	mg/L		53.6	48.2 - 59.0	Not Reported	
1610	Conductivity at 25°C	µmhos/cm		445	401 - 490	Not Reported	
0010	Fluoride	mg/L		2.55	2.30 - 2.80	Not Reported	
1820	Nitrate + Nitrite as N	mg/L		4.70	4.18 - 5.17	Not Reported	
0009	Nitrate as N	mg/L	4.0	4.70	4.23 - 5.17	Not Acceptable	SM4500NO3- D
1125	Potassium	mg/L		18.4	15.8 - 21.4	Not Reported	
0145	Sulfate	mg/L		28.8	24.3 - 32.8	Not Reported	
0024	Total Dissolved Solids at 180°C	mg/L		329	214 - 444	Not Reported	



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Microbiology Results



WS-162 Final Complete Report

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WS MicrobE™ (Coliforms) (cat# 080A)							
0254	Total Coliforms - Sample 1	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 2	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 3	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 4	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 5	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 6	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 7	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 8	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 9	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0254	Total Coliforms - Sample 10	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0255	Fecal Coliforms - Sample 1	CFU/100mL		Absence	Absence	Not Reported	
0255	Fecal Coliforms - Sample 2	CFU/100mL		Absence	Absence	Not Reported	
0255	Fecal Coliforms - Sample 3	CFU/100mL		Absence	Absence	Not Reported	
0255	Fecal Coliforms - Sample 4	CFU/100mL		Absence	Absence	Not Reported	
0255	Fecal Coliforms - Sample 5	CFU/100mL		Presence	Presence	Not Reported	
0255	Fecal Coliforms - Sample 6	CFU/100mL		Presence	Presence	Not Reported	
0255	Fecal Coliforms - Sample 7	CFU/100mL		Absence	Absence	Not Reported	
0255	Fecal Coliforms - Sample 8	CFU/100mL		Presence	Presence	Not Reported	
0255	Fecal Coliforms - Sample 9	CFU/100mL		Absence	Absence	Not Reported	
0255	Fecal Coliforms - Sample 10	CFU/100mL		Absence	Absence	Not Reported	
0255	E.coli - Sample 1	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 2	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 3	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 4	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 5	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 6	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 7	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 8	CFU/100mL	Presence	Presence	Presence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 9	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT
0255	E.coli - Sample 10	CFU/100mL	Absence	Absence	Absence	Acceptable	SM9223 COLILERT

Total Coliforms Evaluation : Acceptable

Fecal Coliforms Evaluation : Not Reported

E.coli Evaluation : Acceptable

Fecal Coliform Organism - Escherichia coli, Samples 5, 6 and 8
 Total Coliform Organism - Enterobacter cloacae, Samples 1, 7 and 9
 Negative (1) Coliform Organism - Proteus mirabilis, Sample 3
 Negative (2) Coliform Organism - Pseudomonas aeruginosa, Sample 2
 Blank - No Organism, Samples 4 and 10



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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WS WS SourceWatR™ E.coli (cat# 595)							
2500	Total Coliforms (MF)	CFU/100mL		18.0	9.00 - 36.0	Not Reported	
2530	Fecal Coliforms (MF)	CFU/100mL		12.0	3.00 - 57.0	Not Reported	
2525	E.coli (MF)	CFU/100mL		19.0	8.00 - 46.0	Not Reported	
2500	Total Coliforms (MPN)	MPN/100mL		22.5	14.6 - 34.7	Not Reported	
2530	Fecal Coliforms (MPN)	MPN/100mL		18.5	9.32 - 36.7	Not Reported	
2525	E.coli (MPN)	MPN/100mL	22.6	22.2	13.4 - 36.7	Acceptable	SM9223 COLertQT

