Kelley E. Keenan
Environmental Testing Solutions, Inc.
PO Box 7565
Asheville, NC 28802-7565

DMR-QA 30 Final Report

DMR-QA Proficiency Testing

DMR-QA Study

Open Date: 03/15/10

Close Date: 07/02/10

Report Issued Date: 07/21/10

July 21, 2010

Kelley E. Keenan
Environmental Testing Solutions, Inc.
PO Box 7565
Asheville, NC 28802-7565

Enclosed is your final report for ERA's DMR-QA 30 Proficiency Testing study. Your final report includes an evaluation of every result submitted by your facility to ERA. If there are any discrepancies between your final report and what your facility reported to your permit holders please contact your permit holders. To the best of ERA's ability we have attempted to resolve any data reporting discrepancies.

If you have any "Not Acceptable" evaluations for the DMR-QA 30 study, and these results have been reported by your permittees, a letter of corrective action and order form are attached for your convenience. If you have a "Not Acceptable" evaluation, but no letter of corrective action or order form, ERA recommends that you contact your permittees for the corrective action requirements that their state or regional DMR-QA Coordinator may require.

Thank you for your participation in ERA's DMR-QA 30 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 (WP)	Patrick Donnelly / 919-733-3908 x207	All Analytes
South Carolina	Carol Smith / 803-896-0992	All Analytes

DMRQA-30 Definitions & Study Discussion

Study Dates: 03/15/10 - 07/02/10 **Report Issued: 07/21/10**

DMRQA 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.

DMRQA Study Discussion

ERA's DMR-QA 30 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 DMR-QA 30 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 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 four anomalies observed during the statistical review of the data. If your laboratory received the Solids Concentrate sample, catalog #4030, Complex Nutrients sample, catalog #579, the Inland Silverside (Test Code 44), catalog #WET018, or the Inland Silverside (Test Code 45) sample, catalog #WET013, these anomalies are addressed on the following page.

If you have any questions or concerns regarding your assessment in ERA's DMRQA 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.

DMRQA-30 Study Anomalies

Study Dates: 03/15/10 - 07/02/10 **Report Issued: 07/21/10**

Study Discussion Inland silverside (Test Code 44) - LC50

In the review of the DMR-QA 30 study data for the Inland silverside (Test Code 44) 48 hr., Acute, Non-renewal, 25ºC 40 FSW, ERA observed that 61.9% of the laboratory data being reported was 100% or >100%. This indicated that the toxicant or the concentration of the toxicant had little or no effect on the organism.

If you have any questions please feel free to call Tom Widera, Inorganic Product Line Manager at 1-800-372-0122.

Study: **DMR-QA 30**

ERA Customer Number: **E559701**

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

WET Results

DMR-QA 30 Final Complete Report

Kelley E. Keenan
Supervisor
Environmental Testing Solutions, Inc.
PO Box 7565
Asheville, NC 28802-7565
828-350-9364

EPA ID: NC01230
ERA Customer Number: E559701
Report Issued: 07/21/10
Study Dates: 03/15/10 - 07/02/10

Anal. No.	Test End Point	Reported Value %	Assigned Value %	Acceptance Limits %	Performance Evaluation	Method Description
DMRQA Fathead minnow (Test Code 13) (cat# WET002)						
48Hr., Acute, Non-Renewal, 25° C, MHSF						
Ammonium phosphate dibasic						
0754	LC50	29.7	30.2	11.3 - 49.1	Acceptable	EPA 2000
DMRQA Fathead minnow (Test Code 15) (cat# WET004)						
7-day Short term Chronic, Daily Renewal, MHSF						
Potassium chloride						
0808	IC25 (ON) Growth	30.5	30.0	23.9 - 36.1	Acceptable	EPA 1000
0810	NOEC (ON) Growth	25	25.0	12.5 - 50.0	Acceptable	EPA 1000
0756	NOEC Survival	25	25.0	12.5 - 50.0	Acceptable	EPA 1000
DMRQA Ceriodaphnia dubia (Test Code 19) (cat# WET008)						
48Hr., Acute Renewal, 25° C, MHSF						
Ammonium phosphate dibasic						
0764	LC50	61.6	57.5	21.4 - 93.5	Acceptable	EPA 2002
DMRQA Ceriodaphnia dubia (Test Code 21) (cat# WET010)						
7-day Short term Chronic, Daily Renewal, MHSF						
Potassium chloride						
0767	IC25 Reproduction	29.2	23.4	6.43 - 40.4	Acceptable	EPA 1002
0768	NOEC Reproduction	12.5	12.5	6.25 - 25.0	Acceptable	EPA 1002
0766	NOEC Survival	25	25.0	12.5 - 50.0	Acceptable	EPA 1002
DMRQA Mysid (Test Code 42) (cat# WET016)						
48Hr., Acute, Non-Renewal, 25° C, 40 FSW						
Potassium chloride						
0798	LC50	26.8	33.1	25.9 - 40.2	Acceptable	EPA 2007
DMRQA Mysid (Test Code 43) (cat# WET017)						
7-day Short term Chronic, Daily Renewal, 40 FSW						
Potassium chloride						
0816	IC25 (ON) Growth	30.6	30.9	17.2 - 44.6	Acceptable	EPA 1007
0818	NOEC (ON) Growth	25	25.0	12.5 - 50.0	Acceptable	EPA 1007
0799	NOEC Survival	25	25.0	12.5 - 50.0	Acceptable	EPA 1007
DMRQA Inland silverside (Test Code 44) (cat# WET018)						
48Hr., Acute, Non-Renewal, 25° C, 40 FSW						
Potassium chloride						
0803	LC50	100	74.1	33.2 - 100	Acceptable	EPA 2006
DMRQA Sheepshead minnow (Test Code 46) (cat# WET019)						
48Hr., Acute, Non-Renewal, 25° C, 40 FSW						
Potassium chloride						
0804	LC50	35.4	35.6	34.2 - 37.0	Acceptable	EPA 2004

ACCREDITED Lab Code: 1539-01

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