



Lana Jackson
Alloway Environmental Testing
1101 N. Cole St.
Lima, OH 45805
USA

DMRWet-41  *Final Report*

DMR-QA Proficiency Testing

DMR-QA Study

Open Date: 04/23/2021

Close Date: 08/27/2021

Report Issued Date: 09/24/2021



A Waters Company

September 24, 2021

Lana Jackson
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1101 N. Cole St.
Lima, OH 45805

Enclosed is your final report for ERA's DMRWet 41 Proficiency Testing study. Your final report includes an evaluation of every result submitted by your facility to ERA.

All analytes in ERA's DMRWet 41 Proficiency Testing study have been evaluated by comparing the reported result to the acceptance limits generated using the criteria contained in the most current TNI Whole Effluent Toxicity Testing - Non-Potable Water FoPT table.

If you have any "Not Acceptable" evaluations for the DMRWet 41 study, please contact ERA's Customer Service Group at 1-800-372-0122 for your corrective action needs.

Thank you for your participation in ERA's DMRWet 41 Proficiency Testing study. If you have any questions regarding the study, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

A handwritten signature in black ink, appearing to read "Matthew Seebeck", is written over a light gray rectangular background.

Matthew Seebeck
Quality Officer

attachments





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Report Recipient	Contact/Phone Number	Reporting Type
Kentucky	Patrick Garrity / 502-782-6954	All Analytes
Ohio (WP)	Steve Roberts / 614-644-4225	All Analytes



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DMRWet-41 Definitions & Study Discussion

Study Dates: 04/23/2021 - 08/27/2021

Report Issued: 09/24/2021

DMRWet Study Definitions

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

The Assigned Values for NOEC Analytes are set to the Study Median of the data reported by laboratories using reported values of <6.25%, 6.25%, 12.5%, 25%, 50%, 100%, or >100%. If the Median falls between two of these values, then the Assigned Value is set to the higher value.

The Assigned Values for Non-NOEC Analytes are set to the Study Mean, calculated using reported values from 6.25% and 100%, inclusive.

The Lower Acceptance Limit for NOEC Analytes is the test dilution below the Median (or <6.25%, whichever is higher), the Upper Acceptance Limit is the test dilution above the Median (or >100%, whichever is lower). If the Median is between two test dilutions, then the Lower Acceptance Limit is the second test dilution below the Median and the Upper Acceptance Limit is the second test dilution above the Median.

The Acceptance Limits for Non-NOEC Analytes are the Study Mean +/- 2 Standard Deviations. If the upper limit is greater than 100%, then the Upper Acceptance Limit is set to >100%. If the lower limit is less than 6.25%, then the Lower Acceptance Limit is set to <6.25%.

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.

DMRWet Study Discussion

ERA's DMRWet 41 Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2016 TNI Standard, Volume 3, and the criteria contained in the most current TNI Whole Effluent Toxicity Testing - Non-Potable Water FoPT table.

ERA's DMRWet 41 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 2016 TNI PT Standard and the criteria contained in the most current TNI Whole Effluent Toxicity Testing - Non-Potable Water FoPT table.

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 DMRWet 41 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 DMRQA Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.





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DMRWet-41 Laboratory Exception Report

Lana Jackson
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1101 N. Cole St.
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(419) 223-1362

EPA ID:	OH00202
ERA Customer Number:	A708901
Report Issued:	09/24/2021
Study Dates:	04/23/2021 - 08/27/2021

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 Alloway Environmental Testing



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

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Study # : DMRWet-41 



Final Evaluation Report

Study: **DMRWet-41**

ERA Customer Number: **A708901**

Laboratory Name: **Alloway Environmental
Testing**

WET Results



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

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Study # : DMRWet-41





DMRWet-41 Final Report

A Waters Company

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Lab Manager
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EPA ID:
ERA Customer Number:
Report Issued:
Study Dates:

OH00202
A708901
09/24/2021
04/23/2021 - 08/27/2021

Analyte Code	Test End Point	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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DMRWet Fathead minnow (Test Code 14) (cat# WET003, lot# Q041-003)
48Hr., Acute, Non-Renewal, 25° C, 20% DMW
Potassium chloride

0755	LC50	52.5	63.8	48.2 - 79.4	Acceptable	EPA 2000.0 Acute 5th ED 2002	7/29/2021	-1.45	63.8	7.80	
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Analyte Code	Test End Point	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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DMRWet Fathead minnow (Test Code 16) (cat# WET005, lot# Q041-005)
7-day Chronic, Daily Renewal, 20% DMW
Potassium chloride

0812	IC25 (ON) Growth	36.3	49.9	26.0 - 73.9	Acceptable	EPA 1000.0 Chronic 2002	7/30/2021	-1.14	49.9	12.0	
0814	NOEC (ON) Growth	50	50.0	25.0 - 100	Acceptable	EPA 1000.0 Chronic 2002	7/30/2021				
0759	NOEC Survival	50	50.0	25.0 - 100	Acceptable	EPA 1000.0 Chronic 2002	7/30/2021				

Analyte Code	Test End Point	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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DMRWet Ceriodaphnia dubia (Test Code 20) (cat# WET009, lot# Q041-009)
48-Hr Acute, Nonrenewal, 25° C, 20% DMW
Potassium chloride

0765	LC50	32.3	24.5	< 6.25 - 49.3	Acceptable	EPA 2002.0 Acute 5th ED 2002	8/12/2021	0.629	24.5	12.4	
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Analyte Code	Test End Point	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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All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01





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DMRWet Ceriodaphnia dubia (Test Code 22) (cat# WET011, lot# Q041-011)
3-Brood Chronic, Daily Renewal, 20% DMW
Potassium chloride

0770	IC25 Reproduction	30.1	20.5	< 6.25 - 38.3	Acceptable	EPA 1002.0 Chronic 2002	8/11/2021	1.08	20.5	8.91	
0771	NOEC Reproduction	25	12.5	6.25 - 25.0	Acceptable	EPA 1002.0 Chronic 2002	8/11/2021				
0769	NOEC Survival	25	12.5	6.25 - 25.0	Acceptable	EPA 1002.0 Chronic 2002	8/11/2021				



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

