

6390 Joyce Drive  
# 100  
Golden, CO 80403

Phone 303-940-0033  
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July 31, 2015

Ms. Kelley Keenan  
Environmental Testing Solutions, Inc.  
351 Depot Street  
Asheville, NC 28801  
USA

Dear Kelley,

Thank you for participating in the DMRQA35-WET DMRQA PT Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Phenova.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory has been sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the DMRQA35-WET DMRQA PT Study. We appreciate working with you and look forward to our next study. If you have any questions, please call us at 866-942-2978.



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**Report Definitions:**

***Assigned Value***

The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation Limits***

Acceptance Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation***

*Acceptable*

The reported value falls within the Acceptance Limits.

*Not Acceptable*

The reported value falls outside the Acceptance Limits.

*No Evaluation*

The reported value is non-numeric and can not be evaluated.

*NR*

As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported).

This report must not be reproduced except in full, without the written approval of Phenova.

This report must not be used to claim product certification, approval, or endorsement by the American Association for Laboratory Accreditation (A2LA) or any agency of the federal government.

## Final Report - DMRQA PT

### Study: DMRQA35-WET

Opening Date: March 20, 2015 - Closing Date: July 10, 2015

Facility: Environmental Testing Solutions, Inc.  
351 Depot Street  
Asheville, NC 28801  
USA

Contact: Ms. Kelley Keenan  
828-350-9364  
EPA Lab ID: NC01230  
NPDES Permit ID:

Fathead Minnow Method 13 (PT-13-WET)								Lot #: 8528-13
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3410	Fathead Minnow Acute MHSF 25° - LC50	10213602	EPA 2000.0 - Fathead minnow, 48-hr Acute, nonrenewal, MHSF 25°C 2002	S.U.	38.3	33.0	16.2 - 60.5	Acceptable
Fathead Minnow Method 15 (PT-15-WET)								Lot #: 8528-15
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3410	Fathead Minnow Chronic MHSF - Survival NOEC	10214207	EPA 1000.0 - Fathead minnow, 7-day Chronic, daily renewal, MHSF 25°C 2002	S.U.	50	50	25 - 100	Acceptable
3410	Fathead Minnow Chronic MHSF - Growth IC25 (ON)	10214207	EPA 1000.0 - Fathead minnow, 7-day Chronic, daily renewal, MHSF 25°C 2002	S.U.	47.1	31.0	16.9 - 77.3	Acceptable
3410	Fathead Minnow Chronic MHSF - Growth NOEC (ON)	10214207	EPA 1000.0 - Fathead minnow, 7-day Chronic, daily renewal, MHSF 25°C 2002	S.U.	25	25	12.5 - 50	Acceptable
Ceriodaphnia Method 19 (PT-19-WET)								Lot #: 8528-19
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3315	Ceriodaphnia Acute MHSF 25° - LC50	10214809	EPA 2002.0 - Ceriodaphnia dubia, 48-hr Acute, renewal, MHSF 25°C 2002	S.U.	39.5	31.9	15.3 - 63.7	Acceptable

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Ceriodaphnia Method 21 (PT-21-WET)								Lot #: 8528-21
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3315	Ceriodaphnia Chronic MHSF - Survival NOEC	10215006	EPA 1002.0 - Ceriodaphnia dubia, 7-day Chronic, daily renewal, MHSF 25°C 2002	S.U.	25	25	12.5 - 50	Acceptable
3315	Ceriodaphnia Chronic MHSF - Reproduction IC25	10215006	EPA 1002.0 - Ceriodaphnia dubia, 7-day Chronic, daily renewal, MHSF 25°C 2002	S.U.	24.1	30.9	<6.25 - 43.4	Acceptable
3315	Ceriodaphnia Chronic MHSF - Reproduction NOEC	10215006	EPA 1002.0 - Ceriodaphnia dubia, 7-day Chronic, daily renewal, MHSF 25°C 2002	S.U.	25	25	12.5 - 50	Acceptable
Mysid Method 42 (PT-42-WET)								Lot #: 8528-42
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3395	Mysid Acute 40 F 25° - LC50	10216009	EPA 2007.0 - Mysid, 48-hr Acute, nonrenewal, 40-fath SW, 25°C 2002	S.U.	37.5	34.2	31.0 - 44.0	Acceptable

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Mysid Method 43 (PT-43-WET)								Lot #: 8528-43	
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation	
3395	Mysid Chronic 40 F - Survival NOEC	10254009	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C 2002	S.U.	25	25	12.5 - 50	Acceptable	
3395	Mysid Chronic 40 F - Growth IC25 (ON)	10254009	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C 2002	S.U.	32.4	31.3	20.0 - 44.7	Acceptable	
3395	Mysid Chronic 40 F - Growth NOEC (ON)	10254009	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C 2002	S.U.	25	25	12.5 - 50	Acceptable	
Menidia Method 44 (PT-44-WET)								Lot #: 8528-44	
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation	
3380	Menidia Acute 40 F 25° - LC50	10216407	EPA 2006.0 - Inland Silverside, 48-hr Acute, nonrenewal, 40-fathoms SW 25°C 2002	S.U.	34.4	34.2	30.9 - 37.8	Acceptable	

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Menidia Method 45 (PT-45-WET)								Lot #: 8528-45
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3380	Menidia Chronic 40 F - Survival NOEC	10253802	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C 2002	S.U.	25	25	12.5 - 50	Acceptable
3380	Menidia Chronic 40 F - Growth IC25 (ON)	10253802	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C 2002	S.U.	29.3	29.2	21.4 - 37.2	Acceptable
3380	Menidia Chronic 40 F - Growth NOEC (ON)	10253802	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C 2002	S.U.	25	25	12.5 - 50	Acceptable