

6390 Joyce Drive  
# 100  
Golden, CO 80403

Phone 303-940-0033  
Fax 866-283-0269  
www.phenova.com

September 1, 2023

Mr. Peter Delisle  
Coastal Bioanalysts, Inc  
6400 Enterprise Court  
Gloucester, VA 23061  
USA

Dear Peter,

Thank you for participating in the DMRQA43-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 will be sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the DMRQA43-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 303-940-0033.



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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***

<i>Acceptable</i>	The reported value falls within the Acceptance Limits.
<i>Not Acceptable</i>	The reported value falls outside the Acceptance Limits.
<i>No Evaluation</i>	The reported value is non-numeric and can not be evaluated.
<i>NR</i>	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).

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## Final Report - DMRQA PT

### Study: DMRQA43-WET

Opening Date: May 19, 2023 - Closing Date: August 4, 2023

Facility: Coastal Bioanalysts, Inc  
6400 Enterprise Court  
Gloucester, VA 23061  
USA

Contact: Mr. Peter Delisle  
8046948285

EPA Lab ID: VA01116

NPDES Permit ID:

Fathead Minnow Method 13 (PT-13-WET)								Lot #: 8557-13
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-h acute, non-renewal MHSF 25 C Rev 5th Ed. 2002	S.U.	37.0	35.3	22.1 - 52.0	Acceptable
Fathead Minnow Method 15 (PT-15-WET)								Lot #: 8557-15
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3410	Fathead Minnow Chronic MHSF - Survival NOEC	10252605	EPA 1000.0 Fathead minnow, 7-day chronic, daily renewal MHSF 25 deg C 2002	S.U.	50	50	25 - 100	Acceptable
3410	Fathead Minnow Chronic MHSF - Growth IC25 (ON)	10252605	EPA 1000.0 Fathead minnow, 7-day chronic, daily renewal MHSF 25 deg C 2002	S.U.	53.2	42.6	37.8 - 68.7	Acceptable
3410	Fathead Minnow Chronic MHSF - Growth NOEC (ON)	10252605	EPA 1000.0 Fathead minnow, 7-day chronic, daily renewal MHSF 25 deg C 2002	S.U.	25	25	12.5 - 50	Acceptable
Ceriodaphnia Method 19 (PT-19-WET)								Lot #: 8557-19
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3315	Ceriodaphnia Acute MHSF 25° - LC50	10214581	EPA 2002.0 Ceriodaphnia dubia, 48-h acute, non-renewal MHSF 25C Rev 5th Ed. 2002	S.U.	42.0	46.6	12.4 - 71.7	Acceptable

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Ceriodaphnia Method 21 (PT-21-WET)								Lot #: 8557-21
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3315	Ceriodaphnia Chronic MHSF - Survival NOEC	10253006	EPA 1002.0 Ceriodaphnia, 3-brood chronic, daily renewal MHSF 25 deg C 2002	S.U.	50	50	25 - 100	Acceptable
3315	Ceriodaphnia Chronic MHSF - Reproduction IC25	10253006	EPA 1002.0 Ceriodaphnia, 3-brood chronic, daily renewal MHSF 25 deg C 2002	S.U.	30.2	28.01	23.2 - 37.3	Acceptable
3315	Ceriodaphnia Chronic MHSF - Reproduction NOEC	10253006	EPA 1002.0 Ceriodaphnia, 3-brood chronic, daily renewal MHSF 25 deg C 2002	S.U.	25	25	12.5 - 50	Acceptable
Daphnia Method 32 (PT-32-WET)								Lot #: 8557-32
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3350	Daphnia Magna Acute MHSF 25° - LC50	NA	EPA 2021.0 Daphnia Magna, 48-h acute, non-renewal MHSF 25C Rev 5th Ed. 2002	S.U.	58.8	51.7	30.3 - 87.4	Acceptable
Mysid Method 42 (PT-42-WET)								Lot #: 8557-42
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3395	Mysid Acute SSW 25° - LC50	10216010	EPA 2007.0 Mysidopsis bahia, 48-h acute, non-renewal SSW 25 ppt salinity, 25C Rev 5th Ed. 2002	S.U.	42.7	59.4	<6.25 - 97.0	Acceptable

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Mysid Method 43 (PT-43-WET)							Lot #: 8557-43	
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3395	Mysid Chronic SSW - Survival NOEC	10216214	EPA 1007.0 Mysidopsis bahia, 7-day chronic, daily renewal SSW 25 ppt salinity, 26 deg C 2002	S.U.	25	25	12.5 - 50	Acceptable
3395	Mysid Chronic SSW - Growth IC25 (ON)	10216214	EPA 1007.0 Mysidopsis bahia, 7-day chronic, daily renewal SSW 25 ppt salinity, 26 deg C 2002	S.U.	42.6	39.5	19.1 - 66.1	Acceptable
3395	Mysid Chronic SSW - Growth NOEC (ON)	10216214	EPA 1007.0 Mysidopsis bahia, 7-day chronic, daily renewal SSW 25 ppt salinity, 26 deg C 2002	S.U.	25	25	12.5 - 50	Acceptable
Sheepshead Minnow Method 46 (PT-46-WET)							Lot #: 8557-46	
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3345	Sheepshead Minnow Acute SSW 25° - LC50	10216612	EPA 2004.0 Sheepshead minnow, 48-h acute, non-renewal SSW 25 ppt salinity, 25C Rev 5th Ed. 2002	S.U.	27.8	20.3	13.9 - 41.6	Acceptable

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Sheepshead Minnow Method 47 (PT-47-WET)								Lot #: 8557-47
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3345	Sheepshead Minnow Chronic SSW - Survival NOEC	10253404	EPA 1004.0 Sheepshead minnow, 7-day chronic, daily renewal SSW 25 ppt salinity, 25 deg C 2002	S.U.	25	25	12.5 - 50	Acceptable
3345	Sheepshead Minnow Chronic SSW - Growth IC25 (ON)	10253404	EPA 1004.0 Sheepshead minnow, 7-day chronic, daily renewal SSW 25 ppt salinity, 25 deg C 2002	S.U.	37.0	33.4	17.1 - 56.8	Acceptable
3345	Sheepshead Minnow Chronic SSW - Growth NOEC (ON)	10253404	EPA 1004.0 Sheepshead minnow, 7-day chronic, daily renewal SSW 25 ppt salinity, 25 deg C 2002	S.U.	25	25	12.5 - 50	Acceptable