

6390 Joyce Drive  
# 100  
Golden, CO 80403

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

October 14, 2022

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

Dear Peter,

Previously, Phenova issued to you a report for the DMRQA42-WET DMRQA PT Study. Per a request received by Phenova authorized by the Virginia Department of General Services (DGS)/Division of Consolidated Laboratory Services (DCLS), methods have been added to the study to report method codes and method descriptions for the results of the laboratory's DMRQA42-WET PT study. Attached is your **amended** PT report for this study.

Methods have been added to the final report so that method codes and method descriptions (method references) that have been provided to Phenova by the laboratory, could be reported for the results of the PT study. All results in the additional methods have been duplicated from the original reported results and have not been changed. The results in the added methods have been marked with "\*\*\*" to indicate that the data were entered into the final report by Phenova after the closing date of the PT study. All evaluations remain unchanged from the original report.

Please discard your original report and replace with the revised report which can be identified by the notation, "Report Issue Date - October 14, 2022", included in the footer on each page of the report. A copy of the amended report has been sent to the Virginia Department of General Services (DGS)/Division of Consolidated Laboratory Services (DCLS).

If you have any questions, please call us at 866-942-2978.

**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: DMRQA42-WET

Opening Date: April 15, 2022 - Closing Date: July 15, 2022

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 #: 8553-13
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3410	Fathead Minnow Acute MHSF 25° - LC50			S.U.	33.6	35.3	15.1 - 52.0	Acceptable
3410	Fathead Minnow Acute MHSF 25° - LC50	10213602	EPA 2000.0 Fathead minnow, 48-h acute, non-renewal MHSF 25C Rev 5th Ed. 2002	S.U.	33.6	35.3**	15.1 - 52.0	Acceptable
Fathead Minnow Method 15 (PT-15-WET)								Lot #: 8553-15
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3410	Fathead Minnow Chronic MHSF - Survival NOEC			S.U.	50	50	25 - 100	Acceptable
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)			S.U.	54.1	51.95	38.0 - 70.2	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.	54.1	51.95**	38.0 - 70.2	Acceptable
3410	Fathead Minnow Chronic MHSF - Growth NOEC (ON)			S.U.	50	25	12.5 - 100	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.	50	25**	12.5 - 100	Acceptable

Results marked with an "\*\*" were received after the closing date of the study.

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Ceriodaphnia Method 19 (PT-19-WET)								Lot #: 8553-19
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3315	Ceriodaphnia Acute MHSF 25° - LC50			S.U.	52.1	31.86	18.7 - 85.5	Acceptable
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.	52.1	31.86**	18.7 - 85.5	Acceptable
Ceriodaphnia Method 21 (PT-21-WET)								Lot #: 8553-21
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3315	Ceriodaphnia Chronic MHSF - Survival NOEC			S.U.	50	50	25 - 100	Acceptable
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			S.U.	29.8	29.07	19.2 - 40.3	Acceptable
3315	Ceriodaphnia Chronic MHSF - Reproduction IC25	10253006	EPA 1002.0 Ceriodaphnia, 3-brood chronic, daily renewal MHSF 25 deg C 2002	S.U.	29.8	29.07**	19.2 - 40.3	Acceptable
3315	Ceriodaphnia Chronic MHSF - Reproduction NOEC			S.U.	25	25	12.5 - 50	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

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Daphnia Method 32 (PT-32-WET)							Lot #: 8553-32	
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3350	Daphnia Magna Acute MHSF 25° - LC50			S.U.	64.6	40.23	44.9 - 84.4	Not Acceptable
3350	Daphnia Magna Acute MHSF 25° - LC50	N/A	EPA 2021.0 Daphnia Magna, 48-h acute, non-renewal MHSF 25C Rev 5th Ed. 2002	S.U.	64.6	40.23**	44.9 - 84.4	Not Acceptable
Mysid Method 42 (PT-42-WET)							Lot #: 8553-42B	
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3395	Mysid Acute SSW 25° - LC50			S.U.	39.8	46.65	<6.25 - 89.6	Acceptable
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.	39.8	46.65**	<6.25 - 89.6	Acceptable

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Mysid Method 43 (PT-43-WET)								Lot #: 8553-43B
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3395	Mysid Chronic SSW - Survival NOEC			S.U.	25	12.5	12.5 - 50	Acceptable
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	12.5**	12.5 - 50	Acceptable
3395	Mysid Chronic SSW - Growth IC25 (ON)			S.U.	37.5	24.54	14.9 - 60.0	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.	37.5	24.54**	14.9 - 60.0	Acceptable
3395	Mysid Chronic SSW - Growth NOEC (ON)			S.U.	25	12.5	12.5 - 50	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	12.5**	12.5 - 50	Acceptable
Sheepshead Minnow Method 46 (PT-46-WET)								Lot #: 8553-46B
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3345	Sheepshead Minnow Acute SSW 25° - LC50			S.U.	19.6	17.68	14.5 - 24.6	Acceptable
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.	19.6	17.68**	14.5 - 24.6	Acceptable

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Sheepshead Minnow Method 47 (PT-47-WET)								Lot #: 8553-47B
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
3345	Sheepshead Minnow Chronic SSW - Survival NOEC			S.U.	25	25	12.5 - 50	Acceptable
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)			S.U.	30.6	36.93	23.6 - 37.7	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.	30.6	36.93**	23.6 - 37.7	Acceptable
3345	Sheepshead Minnow Chronic SSW - Growth NOEC (ON)			S.U.	25	25	12.5 - 50	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

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