FDEP Biology Laboratory -Toxicity Section
Acute SRT Bench Sheet

Method: EPA-821-R-02-012

Start Date: _____ Time: _____

End Date: _____ Time: _____

Test Type	Test Duration	
☐ Screen	☐ 48 hours	All species fed 2 hrs prior to test, mysids fed daily.
☐ Definitive	☐ 96 hours	
☐ Static	☐ ___ hours	
☐ Flow-through		

Diluent	Batch #/LIMS ID #	Days Used

Toxicant	Batch #/LIMS ID #	Days Used

Artemia Batch #'s
0 hr _____
24 hr _____
48 hr _____
72 hr _____
Artemia LIMS # _____

Light Intensity: 50-100 ft candles (recommended) Photoperiod:16 hr light, 8 hr dark (recommended)

C. leedsi, P. promelas, M. beryllina,* and *A. bahia* fed 0.2 ml of *Artemia.

Reviewer_____

Comments:

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Start Date: _____ **Time:** _____

End Date: _____ **Time:** _____

Concentrations Prepared by:_____
Test Loaded by:_____
Loading Verified by:_____

Chamber Size _____mL Test Volume _____mL

Randomizer #___

SOP: TA-07.____	
Test Species	
☐	*Pimephales promelas* (SOP TA-07.02)
☐	*Menidia beryllina* (SOP TA-07.04)
☐	*Americamysis bahia* (SOP TA-07.03)
☐	*Cyprinella leedsi* (SOP TA-07.02)
Batch #:_____	Age: _____

Feeding Times	
First*	Second
0 hr _____	0 hr _____
48 hr _____	48 hr _____

*"First" is 2 hours prior to test initiation/renewal

Temperature Range (°C)	
Incubator #_____	
Min._____	Max._____
Test	
Min._____	Max._____

Test Results					Test Validation		
Method: EPA-821-R-02-012		95% Confidence Intervals		% mortality in 100%			
Statistics:	LC50	Lower	Upper				
48 hour:					Control Survival ≥ 90%:	Yes	No
96 hour:					Test Temperature Range ≤ 3° C:	Yes	No

Stats Calculated by/Date:_____ **Stats Verified by/Date:**_____

Comments:

FDEP Biology Laboratory - Toxicity Section
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Water Quality Parameters	LIMS ID # _____ Batch # _____	LIMS ID # _____ Batch # _____	LIMS ID # _____ Batch # _____	LIMS ID # _____ Batch # _____	SOP	Transcribed By:	Transcription Checked by:
pH (SU)					TA-06.43		
Lab Total Residual Cl_2 (mg/L)**:**					TA-06.22		
Alkalinity (mg/L as $CaCO_3$)**:**					TA-06.08		
Hardness (mg/L as $CaCO_3$)**:**					TA-06.08		
Total Ammonia (mg/L as N)**:**					TA-06.35		
Conductivity: □ µmhos □ mmhos					TA-06.36		
Salinity (ppt)					TA-06.36		
Days Used							

Comments:

FDEP Biology Laboratory - Toxicicty Section
Acute SRT Survival Sheet

Method: EPA-821-R-02-012

Concentration (g/L)	Replicate	Chamber #	Test Hour					
			0 hr	24 hr	48 hr (BR)	48 hr (AR)	72 hr	96 hr
Control								
Loaded by:_________			**Checked by:**					
Verified by:_________			**Initial Concentrations by: _________**			**Concentrations at 48 hrs by: _________**		

BR = Before Renewal **AR = After Renewal** **hr = Hour** **M = Missing** **D = Dead**

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute SRT Parameter Sheet

Method: EPA-821-R-02-012

	Concentration (g/L)	Test Replicate	pH (SU)	Temperature (°C)	DO (mg/L)	Conductivity (µmhos/mmhos) Circle one	Salinity (ppt)
0 Hours	Control						
	Measured by:						
	Recorded by:						
	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (µmhos/mmhos)	**Salinity** (ppt)
24 Hours	Control						
	Measured by:						
	Recorded by:						
	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (µmhos/mmhos)	**Salinity** (ppt)
48 Hours (Before Renewal)	Control						
	Measured by:						
	Recorded by:						

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute SRT Parameter Sheet

Method: EPA-821-R-02-012

	Concentration (g/L)	Test Replicate	pH (SU)	Temperature (°C)	DO (mg/L)	Conductivity (µmhos/mmhos) Circle one	Salinity (ppt)
48 Hours (After Renewal)	Control						
	Measured by:						
	Recorded by:						

	Concentration (g/L)	Test Replicate	pH (SU)	Temperature (°C)	DO (mg/L)	Conductivity (µmhos/mmhos)	Salinity (ppt)
72 Hours	Control						
	Measured by:						
	Recorded by:						

	Concentration (g/L)	Test Replicate	pH (SU)	Temperature (°C)	DO (mg/L)	Conductivity (µmhos/mmhos)	Salinity (ppt)
96 Hours	Control						
	Measured by:						
	Recorded by:						

Comments:

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Instrument Code Sheet

Test ID:	Dates:
METER / DEVICE	**Instrument Code**
DO Meter	
pH Meter	
Conductivity Meter	
Ammonia Kit	
Traceable Thermometer	
Chlorine Kit	
Alkalinity Kit	
Hardness Kit	
Balances used	
Weights used	

Entered by and date:

Comments: