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

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 ID# _____

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:

FDEP Biology Laboratory - Toxicity Section
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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 _____**
Mysid fed at 24 hr: _____	
48 hr _____	**48 hr _____**
Mysid fed at 72 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**		**Control Survival ≥ 90%:**	**Yes**	**No**
48 hour:							
96 hour:					**Test Temperature Range ≤ 3° C:**	**Yes**	**No**

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

Comments:

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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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Method: EPA-821-R-02-012

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	

Entered by and date:

Comments: