FDEP Biology Laboratory -Toxicity Section
C. leedsi Acute SRT Bench Sheet

Method: EPA-821-R-02-012

SOP TA-7.02

Start Date: _____ Time: _____

End Date: _____ Time: _____

Test Type
☐ Screen
☐ Definitive
☐ Static
☐ Flow-through
Test Duration
☐ 48 hours
☐ 96 hours
☐ ___ hours

Test Species
Cyprinella leedsi (SOP: TA-07.02 Method: EPA-821-R-02-012)
Batch #:_____ Age: _____

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

*"First" is 2 hours before initiation/renewal.

Cyprinella leedsi fed 0.2 ml of *Artemia* .
***Artemia* Batch #'s**
0 hr _____
48 hr _____
Artemia LIMS # _____
Light Intensity: 50-100 ft candles (recommended) Photoperiod:16 hr light, 8 hr dark (recommended)

Diluent	Batch #/LIMS ID #	Days Used
Toxicant	**Batch #/LIMS ID #**	**Days Used**

Reviewer_____

Comments:

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Chamber Size 1000 mL
Test Volume 500 mL

Randomizer #_____

Concentrations Prepared by:_____

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

Test Loaded by:_____

Loading Verified by:_____

Concentrations at 48 hrs Prepared by:_____

Test Validation		
Control Survival ≥ 90%:	**Yes**	**No**
Temperature Range ≤ 3° C:	**Yes**	**No**

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

Test Results				
Method: EPA-821-R-02-012		**95% Confidence Intervals**		**% Mortality in 100%**
Statistics:	**LC50**	**Lower**	**Upper**	
48 hour:				
96 hour:				

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Water Quality Parameters

Water Quality Parameters	MHW LIMS ID # _____ Batch # _____	MHW LIMS ID # _____ Batch # _____	MHW 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):				TA-06.36		
Days Used						

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Survival Sheet

Concentration (g/L)	Replicate	Chamber #	Test Hour					
			0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
Control	A							
	B							
	C							
	D							
	A							
	B							
	C							
	D							
	A							
	B							
	C							
	D							
	A							
	B							
	C							
	D							
	A							
	B							
	C							
	D							
	A							
	B							
	C							
	D							
	A							
	B							
	C							
	D							
Loaded by:_____			Checked by:					
Verified by:_____			Initial Concentration by: _____			Concentration at 48 hrs by: _____		

BR = Before Renewal AR = After Renewal hr = Hour M = missing D = Dead

Comments:

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DO = Dissolved oxygen

Test Parameters

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

Comments:

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DO = Dissolved oxygen

Test Parameters

	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (umhos)
48 Hours (After Renewal)	Control					
	Measured by:					
	Recorded by:					
	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (umhos)
72 Hours	Control					
	Measured by:					
	Recorded by:					
	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (umhos)
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: