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: _____

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

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

*0 hr 'First' is 2 hours prior to test and 48 hr 'First' is 2 hours prior to renewal

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._____**
Room B246	
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 Top Concentration**
Statistics:	**LC50**	**Lower**	**Upper**	
48 hour:				
96 hour:				

Comments:

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Water Quality Parameters

Water Quality Parameters	MHW LIMS ID # _____ Batch # _____	MHW LIMS ID # _____ Batch # _____	Method	SOP	Measured By:	Transcription Checked by:
Lab Total Residual Cl_2 (mg/L)**:**			HACH	TA-06.22		
Alkalinity (mg/L as $CaCO_3$)**:**			HACH	TA-06.08		
Hardness (mg/L as $CaCO_3$)**:**			HACH	TA-06.08		
Total Ammonia (mg/L as N)**:**			HACH	TA-06.35 or TA-06.33		
Conductivity (µmhos):			FISCHER	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		5					
	B		5					
	C		5					
	D		5					
	A		5					
	B		5					
	C		5					
	D		5					
	A		5					
	B		5					
	C		5					
	D		5					
	A		5					
	B		5					
	C		5					
	D		5					
	A		5					
	B		5					
	C		5					
	D		5					
	A		5					
	B		5					
	C		5					
	D		5					
Loaded by:_____		Checked by:						
Verified by:_____								

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

Comments:

FDEP Biology Laboratory - Toxicity Section

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Method: EPA-821-R-02-012
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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:					
	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (umhos)
24 Hours	Control					
	Measured by:					
	Recorded by:					
	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (umhos)
48 Hours Before Renewal	Control					
	Measured by:					
	Recorded by:					

Comments:

FDEP Biology Laboratory - Toxicity Section

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Method: EPA-821-R-02-012
SOP TA-07.02

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	

Entered by and date:

Comments: