FDEP Biology Laboratory -Toxicity Section
Acute SRT Bench Sheet

Method: EPA-821-R-02-012

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		

Test 1 of 2: Start Date:_____ Time:_____
End Date: _____ Time:_____

Diluent	Batch #/LIMS ID #	Days Used

Toxicant	Batch #/LIMS ID #	Days Used

Test 2 of 2: Start Date:_____ Time:_____
End Date: _____ Time:_____

Diluent	Batch #/LIMS ID #	Days Used

Toxicant	Batch #/LIMS ID #	Days Used

***Artemia* Batch #'s**

0 hr _____

24 hr _____

48 hr _____

72 hr _____

Artemia Lot #
_____

Food	Days Used
YCT Batch # _____	
YCT Batch # _____	
P. subcapitata Batch # _____	
P. subcapitata Batch # _____	

C. dubia **fed 0.2 ml of *YCT and and *P. subcapitata* in a 1:1 ratio. ****
C. leedsi **, *P. promelas*** **, *M. beryllina*** **, and *A. bahia*** **fed 0.2 ml of *Artemia*** **.**
***YCT= yeast, cereal leaves and trout chow.**
****Pipet P1 used for C. dubia feeding.**

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

REVIEWER:_____

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute SRT Information Sheet

Method: EPA-821-R-02-012

Water Quality Parameters	MHWCD LIMS ID # _____ Batch # _____	MHWCD LIMS ID # _____ Batch # _____	MHW LIMS ID # _____ Batch # _____	MHW LIMS ID # _____ Batch # _____	ASW LIMS ID # _____ Batch # _____	ASW LIMS ID # _____ Batch # _____	SOP	Measured By:	Transcription Checked by:
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 or TA-06.33		
Conductivity: □ µmhos □ mmhos**:**							TA-06.36		
Salinity (ppt)							TA-06.36		
Days Used									

Comments:

FDEP Biology Laboratory - Toxicity Section
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Method: EPA-821-R-02-012

Test 1 of 2

Start Date: _____ Time: _____

End Date: _____ Time: _____

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

Chamber Size _____mL Test Volume _____mL

Randomizer #___

Test Species	
☐	*Ceriodaphnia dubia* (SOP: TA-07.01)
☐	*Pimephales promelas* (SOP TA-07.02)
☐	*Menidia beryllina* (SOP TA-07.04)
☐	*Americamysis bahia* (SOP TA-07.03)

Batch #:_____ Age: _____

Feeding Times	
First	Second
0 hr * _____	0 hr _____
24 hr_____	24 hr_____
48 hr * _____	48 hr _____
72 hr _____	72 hr _____

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

Temperature Range (°C)		
Incubator #_____		
Min._____	Max._____	
Test		
Min._____	Max._____	
Room B246		
Min._____	Max._____	

Test Results

Method: EPA		95% Confidence Intervals		% mortality in Top Concentration
Statistics:	LC50	Lower	Upper	
48 hour:				
96 hour:				

Test Validation

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

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

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	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:_____

Concentrations at 48 hrs by: _____

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

Comments:

FDEP Biology Laboratory - Toxicicty Section

Acute SRT Survival Sheet

Method: EPA-821-R-02-012

FDEP Biology Laboratory - Toxicity Section
Acute SRT Parameter Sheet

Method: EPA-821-R-02-012

Test 1 of 2

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

	Concentration (g/L)	**Test Replicate**	**pH** (SU)	**Temperature** (°C)	**DO** (mg/L)	**Conductivity** (umhos/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

Test 1 of 2

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

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

Comments:

FDEP Biology Laboratory
Toxicity Section
Test Instrument Page

Test 1 of 2

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:

FDEP Biology Laboratory - Toxicity Section
Acute SRT Information Bench Sheet

Method: EPA-821-R-02-012

Test 2 of 2

Start Date: _____ **Time:** _____
End Date: _____ **Time:** _____

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

Chamber Size _____mL
Test Volume _____mL

Randomizer #____

Test Species	
☐	*Ceriodaphnia dubia* (SOP: TA-07.01)
☐	*Pimephales promelas* (SOP TA-07.02)
☐	*Menidia beryllina* (SOP TA-07.04)
☐	*Americamysis bahia* (SOP TA-07.03)
Batch #:_____	Age: _____

Feeding Times	
First	Second
0 hr * _____	0 hr _____
24 hr_____	24 hr_____
48 hr * _____	48 hr _____
72 hr _____	72 hr _____

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

Temperature Range (°C)	
Incubator #_____	
Min._____	Max._____
Test	
Min._____	Max._____
Room B246	
Min._____	Max._____

Test Results

Method: EPA		95% Confidence Intervals		% mortality in Top Concentration
Statistics:	LC50	Lower	Upper	
48 hour:				
96 hour:				

Test Validation

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

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

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	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:_____

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

Test 2 of 2

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

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

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

Comments:

FDEP Biology Laboratory
Toxicity Section
Test Instrument Page

Test 2 of 2

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: