FDEP Biology Laboratory -Toxicity Section
Acute PT Bench Sheet

Method: EPA-821-R-02-012

Test Type
Definitive Static

Test Duration: 48 Hours
All species fed 2 hrs prior to test, *A. bahia* fed daily.

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

Test 1 of 2	Start Date:_____ Start Time:_____ End Date:_____ End Time:_____	
Diluent	Batch #/LIMS ID #	Days Used
PT Sample ID		Days Used

Test 2 of 2	Start Date:_____ Start Time:_____ End Date:_____ End Time:_____	
Diluent	Batch #/LIMS ID #	Days Used
PT Sample ID		Days Used

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

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

Randomizer #_____

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

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute PT Water Quality Information Sheet

Method: EPA-821-R-02-012

Water Quality Parameters					PT Sample	SOP	Transcribed By:	Transcription Checked by:
	LIMS ID # _____	LIMS ID # _____	LIMS ID # _____	LIMS ID # _____	LIMS ID # _____			
	Batch # _____	Batch # _____	Batch # _____	Batch # _____				
pH (SU)						TA-06.43		
DO (mg/L)						TA-06.39		
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 - Toxicity Section
Acute PT Information Bench Sheet

Method: EPA-821-R-02-012

Test 1 of 2

Start Date: _____ Time: _____

End Date: _____ Time: _____

SOP: TA-07.____

Test Species
☐ ***Ceriodaphnia dubia*** (SOP: TA-07.01, Method:2002.0)
☐ ***Pimephales promelas*** (SOP TA-07.02, Method: 2000.0)
☐ ***Menidia beryllina*** (SOP TA-07.04, Method: 2006.0)
☐ ***Americamysis bahia*** (SOP TA-07.03, Method: 2007.0)
Batch #:_____ Age: _____

PT Sample ID:_____

Chamber Size _____mL
Test Volume _____mL

Randomizer # _____

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

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

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

LIMS upload:_____ Authorized by: _____

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

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

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

Comments:

FDEP Biology Laboratory - Toxicicty Section
Acute PT Survival Sheet

Method: EPA-821-R-02-012

Concentration (%)	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr
Control	A				
	B				
	C				
	D				
6.25	A				
	B				
	C				
	D				
12.5	A				
	B				
	C				
	D				
25	A				
	B				
	C				
	D				
50	A				
	B				
	C				
	D				
100	A				
	B				
	C				
	D				
		Checked by:			

Loaded by:_____

Verified by:_____

Concentrations prepared by: _____

hr= hour

M= missing

D= dead

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute PT Parameter Sheet

Method: EPA-821-R-02-012

Test 1 of 2

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

FDEP Biology Laboratory - Toxicity Section
Acute PT Information Bench Sheet

Method: EPA-821-R-02-012

Test 2 of 2

Start Date: _____ Time: _____

End Date: _____ Time: _____

SOP: TA-07.____

Test Species
☐ ***Ceriodaphnia dubia*** (SOP: TA-07.01, Method:2002.0)
☐ ***Pimephales promelas*** (SOP TA-07.02, Method: 2000.0)
☐ ***Menidia beryllina*** (SOP TA-07.04, Method: 2006.0)
☐ ***Americamysis bahia*** (SOP TA-07.03, Method: 2007.0)
Batch #:_____ Age: _____

PT Sample ID:_____

Chamber Size _____mL
Test Volume _____mL

Randomizer # _____

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

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

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

LIMS upload:_____ Authorized by: _____

Test Results

Method: EPA-821-R-02-012		95% Confidence Intervals		% mortality in 100%
Statistics:	**LC50 (%)**	**Lower (%)**	**Upper (%)**	
48 hour:				

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

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

Comments:

FDEP Biology Laboratory - Toxicicty Section
Acute PT Survival Sheet

Method: EPA-821-R-02-012

Concentration (%)	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr
Control	A				
	B				
	C				
	D				
6.25	A				
	B				
	C				
	D				
12.5	A				
	B				
	C				
	D				
25	A				
	B				
	C				
	D				
50	A				
	B				
	C				
	D				
100	A				
	B				
	C				
	D				
		Checked by:			

Loaded by:_____

Verified by:_____

Concentrations prepared by: _____

hr= hour

M= missing

D= dead

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute PT Parameter Sheet

Method: EPA-821-R-02-012

Test 2 of 2

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

Comments: