FDEP Biology Lab-Toxicity Section
Acute SRT Bench Sheet

Method: EPA-821-R-02-012

Test Meter Serial Number Code Sheet

METER / DEVICE	ID	SOP	Parameter	Method	Benchsheet Code
YSI Model 58 Dissolved Oxygen Meter	90H018262	TA-06.04	Dissolved Oxygen	SM 4500 O G	DO1
Thermoscientific Orion Star A213	SN X49117 Probe: 019059	TA-06.39	Dissolved Oxygen	SM 4500 O G	DO2
Accumet AR-10 pH Meter	93312105	TA-06.23	pH	SM 4500 H+	PH1
Fisherbrand FE150	SN 2753630 Probe: 01X218988 Temp: S35934	TA- 06.37	pH	SM 4500 H+	PH2
Mettler-Toledo SevenMulti Conductivity Meter	SN: 1225117049 Probe: H04257	TA-06.25	Conductivity Salinity	SM 2510 B SM 2520 B	COND1
Traceable Bench Conductivity Meter	SN 170814827	TA-06.36	Conductivity Salinity	SM 2510 B SM 2520 B	COND2
Hach Ammonia Mid-Range Kit for freshwater	Kit Lot # A6070	TA-06.33	Ammonia	SM 4500 NH3	$NH_3$2
Hach Ammonia Kit NI-SA for saltwater	Kit Lot # A6055	TA-06.33	Ammonia	SM 4500 NH3	$NH_3$1
Hach Ammonia Nitrogen Pocket Colorimeter II	Kit Lot # A8051	TA-06.35	Ammonia	SM 4500 NH3	$NH_3$4
Traceable Thermometer	#12 - SN 200815417 Probe SN 200815417	TA-06.13	Temperature	SM-2530B modified & DEP SOP-001/01 FT1400	#12
Traceable Thermometer	#13- SN 210217473 Probe SN 210217473	TA-06.13	Temperature	SM-2530B modified & DEP SOP-001/01 FT1400	#13
Traceable Thermometer	#14- SN 210233584 Probe P1/P2 SN 210233584	TA-06.13	Temperature	SM-2530B modified & DEP SOP-001/01 FT1400	#14
Hach Chlorine Pocket Colorimeter II	#2-05050C026378	TA-06.22	Total Residual Chlorine	EPA 330.5 SM 4500 CL G	#2
Alkalinity (Hach Kit)	No SN	TA-06.08	Alkalinity	SM 2320 B	ALK1
Hardness (Hach Kit)	No SN	TA-06.08	Hardness	SM 2340 C	HARD1
Mettler Toledo XA105	B314195659	BB-36	Weight	-	BAL1
Mettler Toledo MS403TS/00	B815673069	TA-06.34	Weight	-	BAL3
S-Weights	BIO-S-WEIGHTS-01	NA	Balance check	-	S01

SM-2503B modified to allow use of electrionic and non-mercury filled thermometers.
Insert other device information in blank spaces as needed.

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METER / DEVICE	ID	SOP	Parameter	Method	Benchsheet Code
Fisher Scientific Timer	SN 80686096	-	Time	-	T-A
Fisher Scientific Timer	SN 80686202	-	Time	-	T-B
Fisher Scientific Timer	SN 200757674	-	Time	-	T-C
Fisher Scientific Timer	SN 20075766	-	Time	-	T-D
Mechanical Pipet - C. dubia 200 µL	M634224	TA-06.32	Volume	-	P1
Mechanical Pipet - Artemia 200 µL	GH41872	TA-06.32	Volume	-	P2
Mechanical Pipet - Artemia 1000 µL	F23899	TA-06.32	Volume	-	P3
Mechanical Pipet - AGP 100 µL	T50346	TA-06.32	Volume	-	P4
Mechanical Pipet - AGP 1000 µL	GH45893	TA-06.32	Volume	-	P5
Mechanical Pipet - AGP 200-1000 µL	V18439	TA-06.32	Volume	-	P6

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 # _____

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_____

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FDEP Biology Laboratory - Toxicity Section
Acute SRT Information Bench Sheet

Method: EPA-821-R-02-012

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)**
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 100%**
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 - Toxicity Section
Acute SRT Information Sheet

Method: EPA-821-R-02-012

Water Quality Parameters	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 - 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:_________

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** (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
Acute SRT Bench Sheet

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	
Balances used	
Weights used	
Entered by and date:	

Comments: