FDEP Biology Laboratory-Toxicity
Chronic SRT Bench Sheet

Method: EPA-821-R-02-014
SOP: TA-07.15

Start Date: _____Time: _____

End Date: _____Time: _____

Test Type
☐ Screen
☐ Definitive
☐ Static
☐ Flow-through

Organism: *A. bahia*
(SOP: TA-07.15, Method: 1007.0)

Test Randomizer #_____

Organism Age:
_____
Organism Batch #:
_____

Toxicant	Batch #/LIMS ID #	Days Used

Diluent	Batch #/LIMS ID #	Days Used

Feeding Times	
First	Second
Day 0 * _____	Day 0_____
Day 1 _____	Day 1 _____
Day 2 _____	Day 2 _____
Day 3 _____	Day 3 _____
Day 4 _____	Day 4 _____
Day 5 _____	Day 5 _____
Day 6 _____	Day 6 _____

*** Day 0 first feeding is 2 hours prior to test intiation. Mysids fed twice daily.**

Chamber Size
500 mL
Test Volume
250 mL

Artemia Batch #'s
Day 0 _____
Day 1 _____
Day 2 _____
Day 3 _____
Day 4 _____
Day 5 _____
Day 6 _____
Artemia Lot # _____

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

Test Acceptablitiy Criteria		
Control Survival ≥ 80%:	Yes	No
Temperature Range ≤ 3° C:	Yes	No

Stats run by/Date: _____
Stats verified by/Date: _____

Reviewer:_____

Results	
Control % CV:	
Dunnetts PMSD (%):	
ICP25 (g/L):	
Growth NOEC (g/L):	
Growth LOEC (g/L):	
Survival NOEC (g/L):	
Survival LOEC (g/L):	

Comments:

FDEP Biology Laboratory-Toxicity Section
SRT Water Quality Information Sheet

Method: EPA-821-R-02-012 SOP: TA-07.15, Method: 1007.0

Water Quality Parameters	ASW LIMS lab # _____ Batch # _____	ASW LIMS lab # _____ 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		
Total Ammonia (mg/L as N)			HACH	TA-06.35 or TA-06.33		
Conductivity (mmhos)			FISCHER	TA-06.36		
Salinity (ppt)			FISCHER	TA-06.36		
Days Used						

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

Comments:

FDEP Biology Laboratory- Toxicity Section

Chronic *A. bahia* SRT Survival Page

SOP: TA-07.15, Method: EPA-821-R-02-012

Concentration (g/L)	Replicate	TEST DAY 0	1	2	3	4	5	6	7
Control	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
Checked by:									
Concentrations by:									

Concentration (g/L)	Replicate	TEST DAY 0	1	2	3	4	5	6	7
	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
Checked by:									
Concentrations by:									

Loaded by (0 hour): _____

Verified by (0 hour): _____

Concentrations by (0 hour): _____

Chamber letters: _____ /_____

D = dead
M = missing

Comments:

FDEP Biology Laboratory- Toxicity Section

Chronic *A. bahia* Parmeters Benchsheet

SOP: TA-07.15, Method: EPA-821-R-02-012

Organism: *A. bahia*

← Test Day		Before Renewal						After Renewal					
	Concentration (g/L)	Test Rep	pH (su)	Temp (°C)	DO (mg/L)	Cond (mmhos-cm)	Salinity (ppth)	Test Rep	pH (su)	Temp (°C)	DO (mg/L)	Cond (mmhos-cm)	Salinity (ppth)
Day 0	Control												
	Measured by:												
	Recorded by:												
	Concentration (g/L)	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
Day 1	Control												
	Measured by:												
	Recorded by:												
	Concentration (g/L)	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
Day 2	Control												
	Measured by:												
	Recorded by:												
	Concentration (g/L)	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
Day 3	Control												
	Measured by:												
	Recorded by:												

Rep = Replicate, Temp = Temperature, DO = Dissolved oxygen, Cond = Conductivity

Comments:

FDEP Biology Laboratory- Toxicity Section
Chronic *A. bahia* Parmeters Benchsheet

SOP: TA-07.15, Method: EPA-821-R-02-012
Organism: *A. bahia*

↓ Test Day	Concentration (g/L)	Before Renewal						After Renewal					
		Test Rep	pH (su)	Temp (°C)	DO (mg/L)	Cond (mmhos-cm)	Salinity (ppth)	Test Rep	pH (su)	Temp (°C)	DO (mg/L)	Cond (mmhos-cm)	Salinity (ppth)
Day 4	Control												
	Measured by:												
	Recorded by:												
	Concentration (g/L)	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
Day 5	Control												
	Measured by:												
	Recorded by:												
	Concentration (g/L)	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
Day 6	Control												
	Measured by:												
	Recorded by:												
	Concentration (g/L)	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
Day 7	Control												
	Measured by:												
	Recorded by:												

Rep = Replicate, Temp = Temperature, Cond = Conductivity

Comments:

FDEP Biology Laboratory-Toxicity Section
Chronic *A. bahia* SRT Weighing Benchsheet

SOP: TA-07.15, Method: EPA-821-R-02-012

Mean wt.=Mysid wt. divided by 5

Concentration (g/L)	Replicate	Pan #*	Pan wt. (g)	Pan + mysid wt. (g)	Mysid wt. (g)	Original # mysids	Mean wt. (mg)	Mean wt./ Concentration (mg)
Control	A					5		
	B					5		
	C					5		
	D					5		
	E					5		
	F					5		
	G					5		
	H					5		
	A					5		
	B					5		
	C					5		
	D					5		
	E					5		
	F					5		
	G					5		
	H					5		
	A					5		
	B					5		
	C					5		
	D					5		
	E					5		
	F					5		
	G					5		
	H					5		
Weighed by initials:								

* Note: Pan number refers to actual replicate # wt. = Weight

Comments:

FDEP Biology Laboratory-Toxicity Section
Chronic *A. bahia* SRT Weighing Benchsheet

SOP: TA-07.15, Method: EPA-821-R-02-012

Mean wt.=Mysid wt. divided by 5

Concentration (g/L)	Replicate	Pan #*	Pan wt. (g)	Pan + mysid wt. (g)	Mysid wt. (g)	Original # mysids	Mean wt. (mg)	Mean wt./ Concentration (mg)
	A					5		
	B					5		
	C					5		
	D					5		
	E					5		
	F					5		
	G					5		
	H					5		
	A					5		
	B					5		
	C					5		
	D					5		
	E					5		
	F					5		
	G					5		
	H					5		
	A					5		
	B					5		
	C					5		
	D					5		
	E					5		
	F					5		
	G					5		
	H					5		
Weighed by initials:								

* Note: Pan number refers to actual replicate # wt. = Weight

Comments:

FDEP Biology Laboratory-Toxicicty Section
Chronic SRT Weighing Benchsheet
Quality Control
A. bahia

SOPs: TA-7.15 and TA-6.21 Method: EPA-821-R-02-012

Empty Pan Weights Date: _____ Weighed By:_____

Weights in grams	Pan 1 wt.	Pan 1 initial wt.
after Pan 5	@	
after Pan 10	@	
after Pan 15	@	
after Pan 20	@	
after Pan 25	@	
after Pan 30	@	
after Pan 35	@	
after Pan 40	@	
after Pan 45	@	
after Pan 48	@	

	Measured Value (g)	Class 1 Weights Value (g)
Class 1 Weights	@	
	@	

S-Weights: BIO-S-WEIGHTS-01
Balance: Mettler Toledo XA105
Ser# B314195659

Fish + Pan Weights Date: _____ Weighed By:_____

Weights in grams	Pan 1 wt.	Pan 1 initial wt.
after Pan 5	@	
after Pan 10	@	
after Pan 15	@	
after Pan 20	@	
after Pan 25	@	
after Pan 30	@	
after Pan 35	@	
after Pan 40	@	
after Pan 45	@	
after Pan 48	@	

	Measured Value (g)	Class 1 Weights Value (g)
Class 1 Weights	@	
	@	

Drying Oven ID: _____
Temperature °C: _____
Drying Hours: _____
Date/Time in oven:_____
Date/Time out of oven:_____

Note: Pan number (5, 10, etc.) refers to sequence of weighing as actual Pan #s may differ.

Comments:

FDEP Biology Laboratory-Toxicity Section
Chronic SRT Bench Sheet

SOP: TA-07.15, Method: EPA-821-R-02-012

A. bahia

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:	