FDEP Biology Laboratory-Toxicity Section
Chronic PT Bench Sheet

Method: EPA-821-R-02-014

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

Test Type
Definitive
Static

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

PT Sample ID:_____
Chamber Size 500 mL
Test Volume 250 mL

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

Diluent	Batch #/LIMS ID #	Days Used

Organism Age: _____
Batch #: _____

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 _____

***"First" feeding is 2 hours prior to test intiation/renewal.**

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

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

Results	
Control % CV(%):	
Dunnetts PMSD(%):	
ICP25(%):	
Reproduction NOEC(%):	
Reproduction LOEC(%):	
Survival NOEC(%):	
Survival LOEC(%):	

Randomizer #_____

MS upload:_____ Authorized by:_____

Test Validation		
Control Survival ≥ 80%:	Yes	No
Test Temperature Range ≤ 3° C:	Yes	No
Mean Weight / Conc. ≥ 0.2 mg	Yes	No

REVIEWER:_____

Comments:

FDEP Biology Laboratory-Toxicity Section
PT Water Quality Information Sheet

Method: EPA-821-R-02-012

Water Quality Parameters	ASW LIMS ID # _____ Batch # _____	ASW LIMS ID # _____ Batch # _____	PT Sample LIMS ID # _____	SOP	Transcribed By:	Transcription Checked by:
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		
Total Ammonia (mg/L as N)				TA-06.35		
Conductivity (mmhos)				TA-06.36		
Salinity (ppt)				TA-06.36		
Days Used						

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

Comments:

FDEP Biology Laboratory-Toxicity Section
Chronic *A. bahia* PT Survival Page

Conc. (%)	Rep.	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							
6.25%	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
12.5%	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
25%	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
Checked by:									
Concentrations prepared by:									

Conc. (%)	Rep.	TEST DAY 0	1	2	3	4	5	6	7
50%	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
100%	A	5							
	B	5							
	C	5							
	D	5							
	E	5							
	F	5							
	G	5							
	H	5							
Checked by:									
Concentrations prepared by:									

Loaded by (0 hr): _____

Verified by (0 hr): _____

Concentrations prepared by (0 hr): _____

Chamber Letter: _____

hr= hour

M= missing

D= dead

Conc.= Concentration

Comments:

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

Concentration: % EPA 821-R-02-014 Method 1007.0 **Rep = replicate** **Cond = conductivity**

Test Day	Concentration	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 0	Control												
	Measured by:												
	Recorded by:												
Day 1	Concentration	Rep	pH	Temp	DO	Cond	Salinity	Rep	pH	Temp	DO	Cond	Salinity
	Control												
	Measured by:												
	Recorded by:												
Day 2	Concentration	Rep	pH	Temp	DO	Cond	Salinity	Rep	pH	Temp	DO	Cond	Salinity
	Control												
	Measured by:												
	Recorded by:												
Day 3	Concentration	Rep	pH	Temp	DO	Cond	Salinity	Rep	pH	Temp	DO	Cond	Salinity
	Control												
	Measured by:												
	Recorded by:												

Comments:

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

Concentration: % EPA 821-R-02-014 Method 1007.0 **Rep = replicate** **Cond = conductivity**

		Before Renewal						After Renewal					
Test Day	**Concentration**	**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:												
Day 5	**Concentration**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
	Control												
	Measured by:												
	Recorded by:												
Day 6	**Concentration**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
	Control												
	Measured by:												
	Recorded by:												
Day 7	**Concentration**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**	**Rep**	**pH**	**Temp**	**DO**	**Cond**	**Salinity**
	Control												
	Measured by:												
	Recorded by:												

Comments:

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

Mean wt.=Mysid wt. divided by 5 Reference SOPs: TA-7.15 and TA-6.21

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* PT Weighing Benchsheet

Mean wt.=Mysid wt. divided by 5 Reference SOPs: TA-7.15 and TA-6.21

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-Toxicity Section
A. bahia Chronic PT
Weight Quality Control

EPA 821-R-02-014 Method 1007.0

Empty Pan Weights **Date: _____ By:_____**

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

	Measured Value (g)	Class 1 Weight Value (g)
Class 1 weights	@	0.01
	@	0.05

Class 1 Weights: BIO-S-WEIGHTS-01

Balance: Mettler Toledo XA105

Ser# B314195659

Mysid + Pan Weights **Date: _____ By:_____**

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

	Measured Value (g)	Class 1 Weight Value (g)
Class 1 weights	@	0.01
	@	0.05

Drying Oven ID: Oven #1 (42073712)

Temperature °C: 60 °C

Drying Hours: 24 hrs

Date/Time Organisms in oven:_____

Date/Time Organisms out of oven:_____

Comments:

FDEP Biology Laboratory-Toxicity Section
Chronic PT Instrument Code Page

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: