FDEP Biology Lab - Toxicity Section
Test Instrument Serial Number Page

Method: EPA 821-R-02-012

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
Accumet AR-10 pH Meter	93312105	TA-06.23	pH	SM 4500 H+	PH1
Fisherbrand FE150 pH Meter	SN 2753630	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	NH32
Hach Ammonia Kit NI-SA for saltwater	Kit Lot # A6055	TA-06.33	Ammonia	SM 4500 NH3	NH31
Hach Ammonia Nitrogen Pocket Colorimeter II	Kit Lot # A8051	TA-06.35	Ammonia	SM 4500 NH4	NH34
Traceable Thermometer	#7-SN 160858748 Probe #181156302	TA-06.05	Temperature	SM-2530B modified & DEP SOP-001/01 FT1400	#7
Traceable Thermometer	#6-SN150057760 Probe #181156300	TA-06.05	Temperature	SM-2530B modified & DEP SOP-001/01 FT1400	#6B
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	PCR-2.2	Weight	-	BAL1
Mettler Toledo 403TS-00	B815673069	TA-06.34	Weight	-	BAL2
S-Weights	BIO-S-WEIGHTS-01	NA	Balance check	-	S01

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Facility Bench Sheet

Method: EPA-821-R-02-012

Hold Time Start: Date:_____Time:_____ **Test 2 of 2 Start Date:_____ Time:_____Test 2 of 2 End Date:_____ Time:_____**

Facility:_____

_____

Address:_____

_____

County:_____

NPDES Permit #: FL _____

Contact/District: _____

LIMS Job #:_____**LIMS Sample #:**_____

LIMS Entry:_____**Verified:**_____

Reviewer:_____

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

Test Duration
☐ 48 hours
☐ 96 hours
☐ ___ hours

Initial Sample Handling:						Sample Validation:			*Artemia* Batch #'s	Food	Days Used
pH adjustment:		**Aeration:**		**Dechlorination:**		**Temperature Shipped ≤ 6°C:**	**Yes**	**No**	**0 hr** _____	**YCT Batch #** _____	
Yes	**No**	**Yes**	**No**	**Yes**	**No**						
Initial pH:		**Initial DO:**		**Initial TRC:**		**If Hand Delivered, Cooling:**	**Yes**	**No**	_____	**YCT Batch #** _____	
_____		_____mg/L		_____ mg/L					**24 hr** _____	***P. subcapitata* Batch #**	
NaOH:		**Final DO:**		_____ mL of 0.025 N Sodium Thiosulfate per liter of sample.		**Received:** _____ °C **Collected:** _____ °C				_____	
_____N		_____mg/L				**Holding Time ≤ 36 Hours:**	**Yes**	**No**	**48 hr** _____	***P. subcapitata* Batch #** _____	
Hcl:		**Duration:**		**Final TRC:**		**(Composite: End of collection; Grab: When collected; 4 in 24: Time last sample collected)**			_____	***Artemia* Lot #** _____	
_____N		_____minutes		_____mg/L					**72 hr** _____		
_____Drops ml		**Rate:** ~ _____ bubbles per min								*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	
Final pH:											
_____											

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Water Quality Bench Sheet

Method: EPA-821-R-02-012

LIMS Sample #: _____

Water Quality Parameters	MHWCD LIMS # _____ Batch # _____	MHWCD LIMS # _____ Batch # _____	MHW LIMS # _____ Batch # _____	MHW LIMS # _____ Batch # _____	ASW LIMS # _____ Batch # _____	Sample LIMS # _____	SOP	Measured By:	Transcription Checked by:
Field Total Residual Cl_2 (mg/L)	N/A	N/A	N/A	N/A	N/A	N/A			
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
Acute Bioassay Water Quality Bench Sheet

Method: EPA-821-R-02-012

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Water Quality Bench Sheet

Method: EPA-821-R-02-012

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Information Sheet

Method: EPA-821-R-02-012

Test 1 of 2

LIMS Sample #: _____

Start Date: _____ **Time:** _____

End Date: _____ **Time:** _____

Concentrations Prepared by:_____	Diluent	Batch #/LIMS #	Days Used
Test Loaded by:_____			
Loading Verified by:_____		Chamber Size _____mL Test Volume _____mL	

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

Batch #:_____ Age: _____

Feeding Times	
AM	PM
0 hr * _____	0 hr _____
24 hr_____	24 hr_____
48 hr * _____	48 hr _____
72 hr _____	72 hr _____

*0 hr AM is prior to test and 48 hr AM is 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 Bioassay Information Sheet

Method: EPA-821-R-02-012

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Information Sheet

Method: EPA-821-R-02-012

FDEP Biology Laboratory -Toxicity Section
Acute Bioassay Survival Sheet
Method: EPA-821-R-02-012

Test 1 of 2

LIMS Sample #: ____________________

			Test Hour					
Concentration (%)	**Replicate**	**Chamber #**	**0 hr**	**24 hr**	**48 hr BR**	**48 hr AR**	**72 hr**	**96 hr**
Control								
Organisms loaded by:		**Checked by:**						

Verified by:

Concentrations at 48 hrs by:

BR = before renewal **AR = after renewal** **hr = hour** **M = missing**

Comments:

FDEP Biology Laboratory -Toxicity Section
Acute Bioassay Survival Sheet
Method: EPA-821-R-02-012

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Parameter Sheet

LIMS Sample #:_____ Method: EPA-821-R-02-012 **Test 1 of 2**

Concentration (%)	0 Hours		24 Hours		48 Hour Before Renewal		
Control	**Replicate:**		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Measured By:						**Comments:**

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Parameter Sheet

Method: EPA- 821-R-02-012

Test 1 of 2

LIMS Sample #: _____

Concentration (%)	48 Hours After Renewal		72 Hours		96 Hours		
Control	**Replicate:**		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Measured By:						**Comments:**

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

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:

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Information Sheet

Method: EPA-821-R-02-012

Test 2 of 2

LIMS Sample #: _____

Start Date: _____ **Time:** _____

End Date: _____ **Time:** _____

Concentrations Prepared by:_____	Diluent	Batch #/LIMS #	Days Used
Test Loaded by:_____			
Loading Verified by:_____		Chamber Size _____mL Test Volume _____mL	

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

Batch #:_____ Age: _____

Feeding Times	
AM	PM
0 hr* _____	0 hr _____
24 hr_____	24 hr_____
48 hr* _____	48 hr _____
72 hr _____	72 hr _____

*0 hr AM is prior to test and 48 hr AM is 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 Bioassay Information Sheet

Method: EPA-821-R-02-012

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Information Sheet

Method: EPA-821-R-02-012

FDEP Biology Laboratory -Toxicity Section
Acute Bioassay Survival Sheet
Method: EPA-821-R-02-012

Test 2 of 2

LIMS Sample #: ____________________

			Test Hour					
Concentration (%)	**Replicate**	**Chamber #**	**0 hr**	**24 hr**	**48 hr BR**	**48 hr AR**	**72 hr**	**96 hr**
Control								
Organisms loaded by:		**Checked by:**						

Verified by:

Concentrations at 48 hrs by:

BR = before renewal **AR = after renewal** **hr = hour** **M = missing**

Comments:

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Parameter Sheet

Method: EPA-821-R-02-012

Test 2 of 2

Concentration	0 Hours		24 Hours		48 Hour Before Renewal		
Control	**Replicate:**		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Measured By:						**Comments:**

FDEP Biology Laboratory - Toxicity Section
Acute Bioassay Parameter Sheet

Method: EPA- 821-R-02-012

Test 2 of 2

LIMS Sample #:_____

Concentration	48 Hours After Renewal		72 Hours		96 Hours		
Control	**Replicate:**		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Replicate:		**Replicate:**		**Replicate:**		
	Temperature (°C):		**Temperature** (°C):		**Temperature** (°C):		
	Conductivity: umhos mmhos		**Conductivity:** umhos mmhos		**Conductivity:** umhos mmhos		
	DO (mg/L):		**DO** (mg/L):		**DO** (mg/L):		
	pH (SU):		**pH** (SU):		**pH** (SU):		
	Salinity (ppt):		**Salinity** (ppt):		**Salinity** (ppt):		
	Measured By:						**Comments:**

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

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: