

Effluent Quality Assessment of

Ideal Mobile Home Park WWTF

Duval County

NPDES #FL0023426

Sampled April 9, 2007

June 2007

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Ideal Mobile Home Park WWTF, 5355 New Kings Road, Jacksonville, Duval County, Florida 32209, NPDES #FL0023426. Effluent samples for this facility were collected on April 9, 2007.

Introduction

The Ideal Mobile Home Park Wastewater Treatment Facility (WWTF) uses the extended-aeration activated-sludge process to treat domestic wastewater to secondary standards. The facility has a design flow of 0.011 million gallons per day (MGD) annual average daily flow (AADF). The AADF from March 1, 2006, through February 28, 2007, was 0.002 MGD. The facility consists of an aeration tank, a secondary clarifier, a chlorine contact tank, and a dechlorination system. Chlorine tablets are used for chlorination. Sodium sulfite tablets are used for dechlorination. Treated effluent is discharged through Outfall D-001 to a ditch that flows to the Class III Freshwaters of the Ribault River and thence to the St. Johns River. Outfall D-001 is located approximately at latitude 31º 21' 50" N, longitude 81º 43' 06" W. Residuals are hauled to the Buckman residuals management facility for further treatment and disposal.

There are no Administrative Orders or Consent Orders for this facility. The facility has no mixing zones. A review of Discharge Monitoring Report (DMR) data revealed a permit violation for the monthly average carbonaceous biochemical oxygen demand in March 2006 (value 19.0 mg/L, permit limit 13.8 mg/L). The last compliance enforcement inspection was performed on March 30, 2006, and the facility was rated as In Compliance. (Facility information provided by Chet McGhee and Jennifer Paris of FDEP Northeast District.)

Methods

Samples were collected from the EFD-1 NPDES sampling point for Outfall D-001 by Chet McGhee (FDEP Northeast District) following DEP-SOP-001/01 FS 2400 Wastewater Sampling. All DEP SOPs are available on the web at: http://www.floridadep.org/labs/qa/sops.htm.

See Appendix A for the completed chain of custody form.

The 48-hour acute screening toxicity tests and algal growth potential test were performed following internal DEP SOPs TA07_01, TA07_02, and TA08_01 through TA08_09. All internal DEP SOPs are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp. While there is no toxicity testing requirement for this facility, the Department uses the 48-hour acute screening toxicity test to provide reasonable assurance that the facility does not adversely affect waters of the state.

Toxicity Test Results

Tests were performed April 10 - 12, 2007.

Ceriodaphnia dubia 48-hour acute screening bioassay –	LC_{50} > 100%, 0% mortality* in 100% sample at 48 hours
Cyprinella leedsi 48-hour acute screening bioassay –	LC_{50} > 100%, 0% mortality* in 100% sample at 48 hours

The bioassay samples were not acutely toxic to the test organisms.

See Appendix B for bioassay bench sheets. See Appendix C for results of the last 20 standard reference toxicant (SRT) tests and the bench sheets and statistical analyses of the SRT tests that correspond to these facility tests. See Appendix D for test organism receipts.

*NOTE: In a 48-hour acute screening test of 100% effluent, mortality of <20% provides reasonable assurance that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Rule 62-302.500 (1)(a)4, F.A.C.). Mortality between 20-50% indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% provides reasonable assurance that the effluent fails to meet the minimum requirement to discharge to waters of the state (Rule 62-4.244(3)(a), F.A.C.).

Algal Growth Potential

The effluent Algal Growth Potential (AGP) was 474.0 mg dry wt/L of the unicellular green alga, *Pseudokirchneriella subcapitata*, formerly known as *Selenastrum capricornutum*. Raschke and Shultz (1987) found that AGP values above 5.0 mg dry weight/L represent a "problem" threshold for fresh receiving waters, implying nutrient enrichment. The analytical chemistry suggests that the effluent is nitrogen-limited. The predicted AGP based on inorganic nitrogen concentrations was 1,103.8 (±20%) mg dry wt/L (Table 1; Miller et al. 1978).

See Table 1 for AGP results.

Chemistry Results

Total residual chlorine was less than the method detection limit (MDL) in both the field and laboratory. Total ammonia was not detected in the bioassay sample in the laboratory. The total ammonia concentration in the sample collected and preserved for chemical analysis was 0.047 mg/L. Based on the pH, salinity, and temperature of the effluent as collected, the calculated unionized ammonia concentration was less than 0.02 mg/L.

Copper, iron, and zinc were detected in the effluent at levels that comply with Class III fresh water quality criteria (62-302.530, F.A.C.). Arsenic, lead, fluoranthene, nickel and pyrene were detected between the laboratory MDLs and practical quantitation limits (PQL). Fluoranthene (1.3 µg/L) exceeded the Class III freshwater quality criterion (< 0.370 mg/l, 62-302.530(56)(b), F.A.C.). Aluminum was also detected in the effluent.

See Table 2 for results of analytes detected in the effluent, and corresponding limits. See Appendix E for a complete list of chemical analyses performed.

Conclusion

The effluent sample collected from the EFD-1 NPDES sampling point for Outfall D-001 for this facility on April 9, 2007, was not acutely toxic to either test species during the 48-hour acute screening bioassays. The effluent AGP result well exceeded the "problem" threshold for fresh receiving waters, implying nutrient enrichment. Effluent fluoranthene exceeded the Class III freshwater quality criterion (62-302.530(56)(b), F.A.C.).

Literature Cited

Miller, W. E., T. E. Maloney, and J. C. Greene. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA-600/9-78-018. U. S. EPA, Cincinnati, Ohio. 126 p.

Raschke, R. L. and D. A. Schultz. 1987. The use of the algal growth potential test for data assessment. J. Wat. Poll. Cont. Fed. 59(4): 222-227.

Table 1. Measured and predicted algal growth potential (AGP; mg dry weight/L) for total soluble inorganic nitrogen (TSIN) and total nitrogen (TN) limitation of the freshwater species *Pseudokirchneriella subcapitata* and ratios of nitrogen to phosphorus for samples from the Ideal Mobile Home Park Wastewater Treatment Facility collected on April 9, 2007.

Location	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (TN) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent	474.0	1103.8 ± 220.8	1162.8 ± 232.6	6.3	6.4

Table 2. Effluent limits, Class III Freshwater Criteria, and chemical and microbiological data for samples collected from the Ideal Mobile Home Park Wastewater Treatment Facility on April 9, 2007.

Ideal Mobile Home Park WWTF NPDES #FL0023426	**Class III Fresh Stds**	**Effluent Limits**	**Effluent**	
Organic Constituents (µg/L)				
Fluoranthene	< 0.370	-	1.3	I
Pyrene	< 11	-	1	I
Metals (µg/L unless otherwise noted)				
Aluminum	-	-	34	
Arsenic	≤ 50	-	0.58	I
Cadmium	≤ 0.61 b	-	0.05	U
Calcium (mg/L)	-	-	75.9	
Chromium-III	≤ 213.0 b	-	0.3	U
Copper	≤ 24.0 b	-	4.85	
Iron	≤ 1,000	-	35	
Lead	≤ 13.0 b	-	0.23	I
Magnesium (mg/L)	-	-	27.3	
Nickel	≤ 132.9 b	-	2	I
Selenium	≤ 5.0	-	0.5	U
Silver	≤ 0.07	-	0.025	U
Zinc	≤ 305.6 b	-	41	
Nutrients (mg/L)				
Ortho-phosphate	-	-	4.6	
Total Phosphorus	-	-	4.8	
Total Ammonia	-	-	0.047	
Un-ionized Ammonia	≤ 0.02	-	≤ 0.02	c
Nitrate and Nitrite	-	-	29	
Total Kjeldahl Nitrogen	-	≤ 10.4 s	1.6	J
Organic Nitrogen	-	-	1.553	c
Total Nitrogen	-	-	30.6	c
General Physical and Chemical Parameters				
Dissolved Oxygen (mg/L)	≥ 5.0	-	6.6	
pH (SU)	6.0 - 8.5	6.0 - 8.5	7.0	
Conductivity (µmhos/cm)	≤ 1,275	-	848	
Temperature °C	-	-	16.3	
Total Residual Chlorine (mg/L)	≤ 0.01	≤ 0.01 s	0.02	U
Total Suspended Solids (mg/L)	-	≤ 60 s	11	I
Turbidity (NTU)	≤ 29 t	-	-	
CBOD, 5 day (mg/L), N - inhibited	-	≤ 22 s	3.8	A
Flow (MGD)	-	≤ 0.011 a	0.002	a
Hardness (mg $CaCO_3$)	-	-	301.94	c
Microbiology (Number of counts/100ml)				
Fecal Coliforms	≤ 800	≤ 800 s	14	AB

Value exceeds the Class III Water Quality Criteria or permit limits

a - Annual average
b - Value is calculated based on hardness
c - Value is calculated
s - Single sample
t - Shall not exceed 29 NTUs above background
A - Value reported is the mean of two or more determinations
B - Results based on colony counts outside the accpetance range
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
U - Material analyzed for but not detected; value reported is the method detection limit

Florida Department of Environmental Protection

Central Laboratory Sample Submittal Form

Event ID *

Request Number: RQ-2007-04-09-28
Ideal MHP WWTF

Requester: Shannan Bogdanov
Field Report Prepared By:

Customer: NE-DIST
Collected By: Chet McGhee
Send Final Report To: Melissa Long

Project ID: FYI3
Sampling Agency: FDEP

PMAS: 1143

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
	Ideal MHP WWTF	☐ Comp ☒ Grab	Date 4/9/07 Time 1015	Date 4/9/07 Time 1035	A
	Field ID: Effluent	Tot Res Chlorine (mg/L): 0.01	Diss Oxygen (mg/L): 6.58	Storet Station Number:	
	Matrix (Include type e.g. Salt, Fresh, etc)	Temp (C): 16.24	pH: 6.99	Sample Depth ☐ m ☐ ft: 848	☐ Salinity (PPTh) ☒ Sp Conductance (umho/cm)
	Latitude o ' "	Longitude o ' "	Comments	NPDES Number	

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
	Ideal MHP WWTF	☐ Comp ☒ Grab	Date 4/9/07 Time ~~1005~~ 1000	Date 4/9/07 Time 1015	B
	Field ID: Field Blank	Tot Res Chlorine (mg/L):	Diss Oxygen (mg/L):	Storet Station Number:	
	Matrix (Include type e.g. Salt, Fresh, etc)	Temp (C):	pH:	Sample Depth ☐ m ☐ ft	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm)
	Latitude o ' "	Longitude o ' "	Comments	NPDES Number	

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
		☐ Comp ☐ Grab	Date Time	Date Time	
	Field ID	Tot Res Chlorine (mg/L):	Diss Oxygen (mg/L):	Storet Station Number:	
	Matrix (Include type e.g. Salt, Fresh, etc)	Temp (C):	pH:	Sample Depth ☐ m ☐ ft	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm)
	Latitude o ' "	Longitude o ' "	Comments	NPDES Number	

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
		☐ Comp ☐ Grab	Date Time	Date Time	
	Field ID	Tot Res Chlorine (mg/L):	Diss Oxygen (mg/L):	Storet Station Number:	
	Matrix (Include type e.g. Salt, Fresh, etc)	Temp (C):	pH:	Sample Depth ☐ m ☐ ft	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm)
	Latitude o ' "	Longitude o ' "	Comments	NPDES Number	

Relinquished By:	Date/Time	Shipping Method:	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
			Tom-E	04/10/07 8:45				

* Shaded Areas for Lab use only.

** Please see reverse side for Bottle Group information.

last revised October 1, 2003

2 bioassay Sample Aliquots 4-6-07 9:30

FDEP Biology Section - Acute Screen Bioassay Bench Sheets

Facility: IDEAL MOBILE HOME PARK. WWTF

Address: 5355 NEW KING ROAD

City: JACKSONVILLE County: DUVAL

Contact/District: Chet McGhee / NORTHEAST

NPDES Permit #: FL0023426

LIMS Job #: TLH-2007-04-10-S1 LIMS Sample #: 999980

Lims Data Entry: 4-13-07 MF Data Entry Verification: 4.13.07 JD

Sample Collection: Date: 4-9-07 Time: 1015

Hold Time Start: Date: 4-9-07 Time: 1015

Comments: No toxicity requirements specified in NPDES permit - MF 5-9-07

Instructions (for below): Circle appropriate wording. If yes is circled, complete blanks.

Test Type: Screen

(Static) Static Renewal / Flow-through

Test Duration: (48) 96 Hours.

Light Intensity : 50 - 100 ft. candles.

Photoperiod : 16 hours light 8 hours dark.

Test 1 validation: **Test 1:** SOP TA 07_01

Control survival ≥90%: (Yes) No

Temperature Range ≤3°C: (Yes) No

Test 2 validation: **Test 2:** SOP TA 07_02

Control survival ≥90%: (Yes) No

Temperature Range ≤3°C: (Yes) No

Initial sample handling:

PH adjustment : yes (no) Initial pH: ____ NaOH N HCl N ____ Drops mL Final pH: ____

Aeration : yes (no) Initial DO: ____mg/L Final DO: ____mg/L Duration: ____minutes Rate: ~____bubbles/min

Salinity adjusted (Test 1): yes (no) Initial Salinity: ____ Final Salinity: ____ Salts Hypersaline brine

Salinity adjusted (Test 2): yes (no) Initial Salinity: ____ Final Salinity: ____ Salts Hypersaline brine

Dechlorination: yes (no) ____mL of 0.025N Sodium Thiosulfate per liter of sample. Final TRC: ____

Temperature Range °C

Incubator #: 2 Range: 25.9 - 26.2

Room B248: 24.8 - 26.2

Waterbath: N/A

Sample Validation:

Temperature: Shipped ≤6°C (Yes) No Hand Delivered: Cooling (received °C < collected °C) Yes No

Holding Time: ≤36 Hours (Yes) No (Composite-end of collection; grab-when collected; 4 in 24 - time last sample collected)

Investigators' Signatures

Patsy Vicknair

James Daniels

Brian Rhodes

Marshall Faircloth

Nicole Wellborn

REVIEWER

Water Quality Parameters	20% DMW	Moderately Hard Water/ (Well Water)	Salt Water ASW NSW Test 1	Salt Water ASW NSW Test 2	Other:	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl_2 (mg/L):	N/A	N/A	N/A	N/A		0.01	Hach	Chet McGhee	MF
Lab Total Residual Cl_2 (mg/L):	<0.03	<0.03				<0.03	HACH	PDV	PDV
Alkalinity (mg/L as $CaCO_3$):	78	135				66	HACH	PDV	BA
Hardness (mg/L as $CaCO_3$):	88	151				340	HACH	PDV	BA
Total Ammonia (mg/L as N):	<0.017	<0.017				<0.017	DENVER	MF	PDV
Salinity (ppth):	~~<0.5~~ <1	<1				<1	~~YSI~~ Mettler	BA	PDV

BA by MF 5/9/07

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Appendix B. (continued)

FDEP Biology Section - Bioassay Survival Sheet

LIMS Sample #: 999980 Test #: 1/2 Test Started: Date 4-10-07 Time: 12:30
Organism: C. DUBIA SOP #: TA 07_01 Test Ended: Date 4/12/07 Time: 11:00
Organism Batch: 14-07 Diluent/ Batch: DLW 1 4-2-07
Organism Age: < 24 HRS. Food: YCT *P. subcapitata* *Artemia* —
Chamber Size: 30 mL Batch: 1-7-07 2-7-07
Test Volume: 20 mL Feeding: ~~Prior to test~~ Prior to renewal - Daily

Concentration	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTROL	A	A	5	5	5			
	B	B	5	5	5			
	C	C	5	5	5			
	D	D	5	5	5			
100%	A	A	5	5	5			
	B	B	5	5	5			
	C	C	5	5	5			
	D	D	5	5	5			

Organisms loaded by: BA Checked by: [redacted] JD DD
Loading Verified by: JJ
m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:
% mortality in 100% sample: Ø
LC_{50}: >100% If Calculated: 95% CI _____ Method: _____

Screening Tests:
Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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Appendix B. (continued)

FDEP Biology Section - Bioassay Survival Sheet

LIMS Sample #: 999980 **Test #:** 2/2 **Test Started:** Date 4-10-07 Time: 1230
Organism: C. LEEDSI **SOP #:** TA 07_02 **Test Ended:** Date 4/13-07 Time: 1045
Organism Batch: 4-10-07 **Diluent/ Batch:** WELL / 4-9-07
Organism Age: 13 DAYS **Food:** YCT *P. subcapitata* *Artemia*
Chamber Size: 1000 mL **Batch:** — — lot ESL 536-90 - Batch-45-07
Test Volume: 500 mL **Feeding:** (Prior to test) - Prior to renewal - Daily

Concentration	Replicate	Chamber #	0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTROL	A	H1	5	5	5			
	B	H2	5	5	5			
	C	H3	5	5	5			
	D	H4	5	5	5			
100%	A	H5	5	5	5			
	B	H6	5	5	5			
	C	H7	5	5	5			
	D	H8	5	5	5			
Organisms loaded by: JD		Checked by:	[redacted]	JD	JD			

Loading Verified by: BA
m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:
% mortality in 100% sample: Ø
LC_{50}: >100% If Calculated: 95% CI______ Method:______
Screening Tests:
Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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Appendix B. (continued)

FDEP Biology Section - Bioassay Parameter Sheet

LIMS Sample # : 999980 Test #: 1 of 2

TEST SOP #: TA07_01 Test Species: (*Ceriodaphnia dubia*) *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

Concentration C2201	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	M		M			
pH (S.U.)	8.0		8.1			
Temperature °C	24.1		24.5			
Dissolved Oxygen mg/L	7.6		7.4			
Conductivity (µmhos) mmhos	179.7		237			
(initials) Measured by:	JH		JH			
(initials) Recorded by:	JH		JH			

Comments:

Concentration 100 %	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	M		M			
pH (S.U.)	6.9		7.7			
Temperature °C	25.4		24.5			
Dissolved Oxygen mg/L	7.7		7.0			
Conductivity (µmhos) mmhos	1037		1068			
(initials) Measured by:	JH		JH			
(initials) Recorded by:	JH		JH			

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

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Page

FDEP Biology Section - Bioassay Parameter Sheet

LIMS Sample # : 999980 **Test #:** 2 of 2

TEST SOP #: TA07_ 02 **Test Species:** *Ceriodaphnia dubia* (*Cyprinella leedsi*) *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	7.6	7.8	8.2			
Temperature °C	24.5	24.4	25.0			
Dissolved Oxygen mg/L	7.4	5.8	6.8			
Conductivity ~~µmhos~~ mmhos	276	275	293			
(initials) Measured by:	JD	JD	JD			
(initials) Recorded by:	JD	JD	JD			

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	6.9	7.3	7.4			
Temperature °C	25.4	24.8	25.1			
Dissolved Oxygen mg/L	7.8	5.2	5.2			
Conductivity ~~µmhos~~ mmhos	1052	1028	1052			
(initials) Measured by:	JD	JD	JD			
(initials) Recorded by:	JD	JD	JD			

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

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Appendix C. SRT Bench Sheets and Statistical Analysis

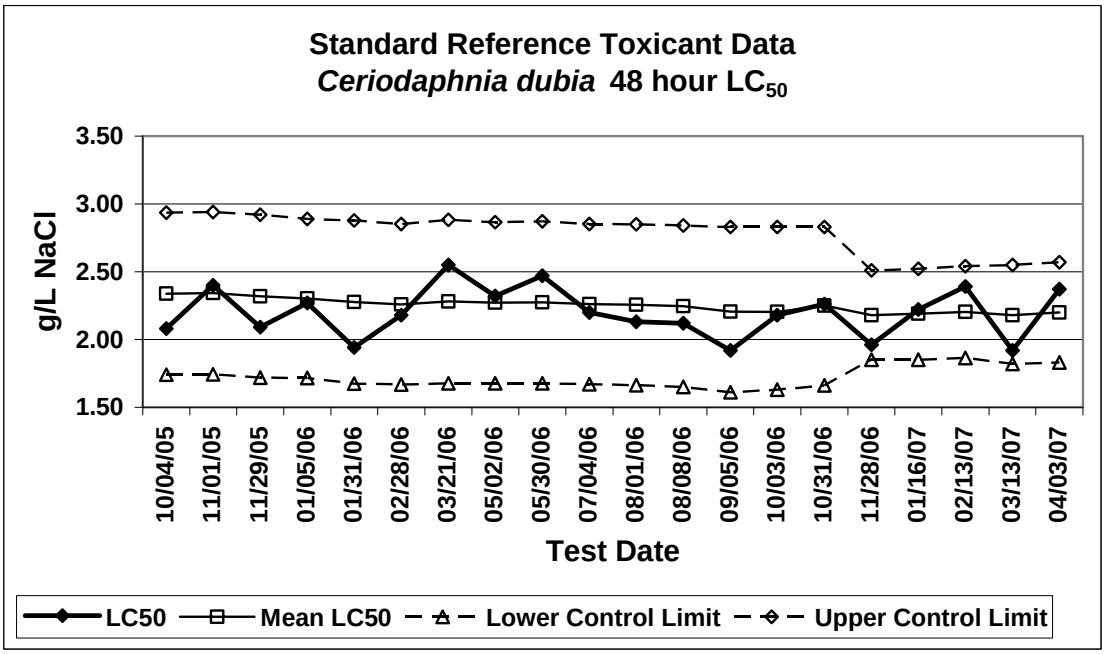
Florida Department of Environmental Protection
Bureau of Laboratories

Standard Reference Toxicant (SRT) Test Data - 48-hour Acute Toxicity
Ceriodaphnia dubia (water flea) - Sodium Chloride (NaCl)

Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
10/04/05	2.08	2.34	0.30	1.74	2.94
11/01/05	2.40	2.34	0.30	1.74	2.94
11/29/05	2.09	2.32	0.30	1.72	2.92
01/05/06	2.27	2.30	0.29	1.72	2.89
01/31/06	1.94	2.28	0.30	1.67	2.88
02/28/06	2.18	2.26	0.30	1.67	2.85
03/21/06	2.55	2.28	0.30	1.68	2.88
05/02/06	2.32	2.27	0.30	1.68	2.87
05/30/06	2.47	2.27	0.30	1.68	2.87
07/04/06	2.20	2.26	0.30	1.67	2.85
08/01/06	2.13	2.26	0.30	1.66	2.85
08/08/06	2.12	2.24	0.30	1.65	2.84
09/05/06	1.92	2.21	0.30	1.61	2.83
10/03/06	2.18	2.20	0.30	1.63	2.83
10/31/06	2.26	2.25	0.29	1.66	2.83
11/28/06	1.96	2.18	0.17	1.85	2.51
01/16/07	2.22	2.19	0.17	1.85	2.52
02/13/07	2.39	2.20	0.17	1.86	2.54
03/13/07	1.92	2.18	0.18	1.82	2.55
04/03/07	2.37	2.20	0.18	1.83	2.57

Means are of the last 20 SRT tests.
Lower Confidence Limit = mean - 2 * Std Dev
Upper Confidence Limit = mean + 2 * Std Dev

CV = 8.18
EPA reference 75th quartile CV = 29%



Appendix C. (continued)

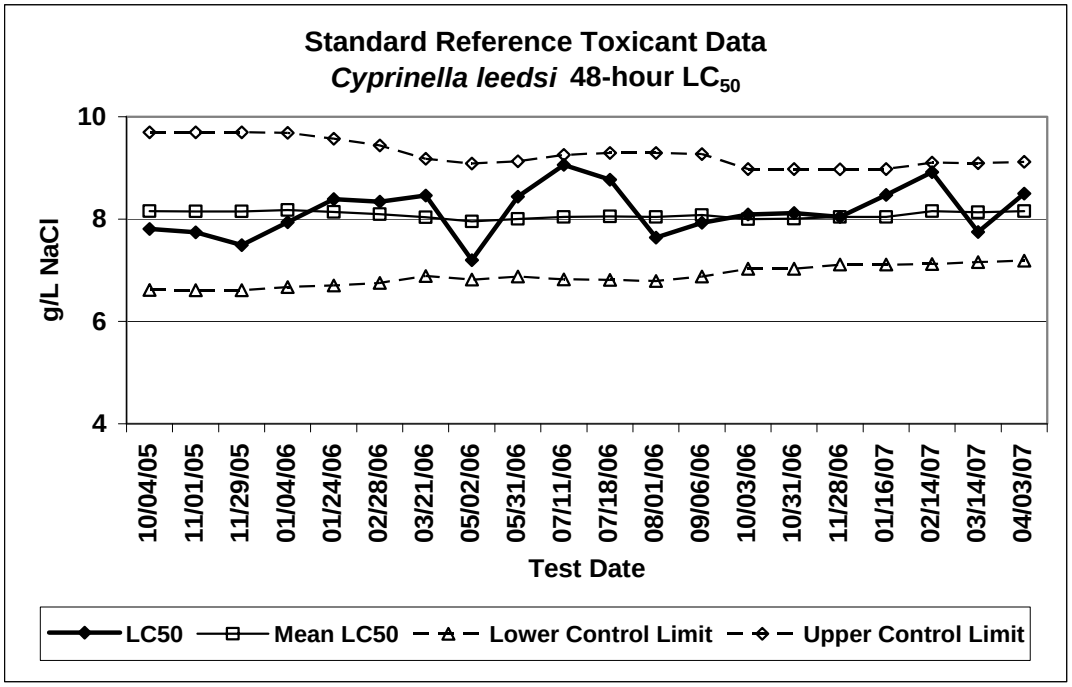
Florida Department of Environmental Protection
Bureau of Laboratories

Standard Reference Toxicant (SRT) Test Data - 48-hour Acute Toxicity
Cyprinella leedsi (bannerfin shiner) - Sodium Chloride (NaCl)

Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
10/04/05	7.81	8.16	0.77	6.62	9.69
11/01/05	7.74	8.15	0.77	6.61	9.69
11/29/05	7.49	8.15	0.77	6.61	9.69
01/04/06	7.94	8.18	0.75	6.67	9.68
01/24/06	8.39	8.14	0.72	6.71	9.57
02/28/06	8.34	8.09	0.67	6.75	9.44
03/21/06	8.46	8.04	0.57	6.89	9.18
05/02/06	7.2	7.95	0.57	6.82	9.09
05/31/06	8.44	8.00	0.56	6.88	9.13
07/11/06	9.06	8.04	0.61	6.82	9.26
07/18/06	8.77	8.05	0.62	6.81	9.29
08/01/06	7.64	8.04	0.63	6.79	9.29
09/06/06	7.93	8.08	0.60	6.88	9.27
10/03/06	8.09	8.00	0.49	7.03	8.98
10/31/06	8.12	8.01	0.49	7.03	8.98
11/28/06	8.04	8.04	0.46	7.11	8.97
01/16/07	8.47	8.04	0.47	7.11	8.98
02/14/07	8.92	8.16	0.50	7.12	9.10
03/14/07	7.75	8.14	0.49	7.16	9.09
04/03/07	8.50	8.16	0.48	7.19	9.12

Means are of the last 20 SRT tests.
Lower Confidence Limit = mean - 2 * Std Dev
Upper Confidence Limit = mean + 2 * Std Dev

CV = 5.88
EPA reference 75th quartile CV = 19%



Appendix C. (continued)

FDEP Biology Laboratory - Acute SRT Bench Sheet

Test Organism: *Americamysis bahia* Method 2007.0 — *Menidia beryllina* Method 2006.0 — *Hyalella azteca* Method 100.1 EPA-600-R-99-064
Ceriodaphnia dubia Method 2002.0 — *Cyprinella leedsi* Method 2000.0 — *Pimephales promelas* Other: _____

Method from EPA-821-R-02-012
Test Type: 48 hour non-renewal / 96 hour renewal
Test Page 1 of 2

Diluent/ Batch #: DMW / 4-2-07
Toxicant/ Batch#: NaCl 4-3-07

Test Beginning: Date: 4-3-07 Time: 11:00
Test Ending: Date: 4-7-07 Time: 9:00

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	BA
Alkalinity (mg/L as $CaCO_3$):	78	Hach	PW
Hardness (mg.L as $CaCO_3$):	88	Hach	PW
Total Ammonia (mg/L as N):	<0.017	Denver	MF
Salinity (ppth):	<1	Mettler	BA

Organism Batch #/ Age: 13-07 / <24hrs
Feeding: Prior to test / Prior to renewal / Daily
Food: YCT *P.subcapitata* Artemia: Lot #_____
Food Batch: 1-1-07 02-07-07 0hr — 24hr — 48hr — 72hr —
Chamber size: 30 mL
Test volume: 20 mL per replicate

Conc. g/L µg/L mg/L	Rep.	Chamber #	Number Live 0 hr	24 hr	48 hr	pH (SU) 0 hr	24 hr	48 hr	Temperature (°C) 0 hr	24 hr	48 hr	D.O. (mg/L) 0 hr	24 hr	48 hr	Uncorrected Conductivity µmhom/cm mmhos/cm 0 hr	24 hr	48 hr
			~~48 hr~~	~~72 hr~~	~~96 hr~~	~~48 hr~~	~~72 hr~~	~~96 hr~~	~~48 hr~~	~~72 hr~~	~~96 hr~~	~~48 hr~~	~~72 hr~~	~~96 hr~~	~~48 hr~~	~~72 hr~~	~~96 hr~~
Control	A	A	5	5	5	7.9		7.8	25.2		24.0	7.9		7.6	174		0.210
	B	B	5	5	5										0.174 BA		
	C	C	5	5	5												
	D	D	5	5	5												
1.5	A	A	5	5	5	8.0		7.8	25.3		24.0	7.6		7.6	2.96		3.13
	B	B	5	5	5												
	C	C	5	5	5												
	D	D	5	5	5												
2.0	A	A	5	5	5	8.1		7.8	25.3		24.0	7.5		7.5	3.84		4.14
	B	B	5	5	5												
	C	C	5	5	4D												
	D	D	5	5	5												
2.5	A	A	5	5	1D	8.1		7.8	25.2		24.0	7.6		7.4	4.72		5.1
	B	B	5	5	3D												
	C	C	5	5	2D												
	D	D	5	5	1D												
3.0	A	A	5	4D	0D	8.1		7.8	25.1		24.0	7.6		7.4	5.61		6.08
	B	B	5	5	0SD												
	C	C	5	5	0SD												
	D	D	5	4D	0D												
4.0	A	A	5	0SD	-	8.1	7.9	-	25.0	24.5	-	7.7	6.4	-	7.3	7.9	-
	B	B	5	0SD	-												
	C	C	5	0SD	-												
	D	D	5	0SD	-												
	A																
	B																
	C																
	D																
Loaded / measured by:			BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
Recorded by:			BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA

Investigators' Signatures
Nigel Wellenkamp
REVIEWER

Concentrations prepared by: BA
Loading verified by: PW
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min. 25.7 max. 26.3 mean 26.0
Incubator # ___ min. ___ max. ___ mean ___
Room B246 min. 24.9 max. 26.3 mean 25.6

Comments:

Statistics: Method: Spearman-Karber
48y 96 hour LC_{50}: 2.37
95% Confidence Interval: lower 2.25 upper 2.49

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Appendix C. (continued)

FDEP Biology Laboratory - Acute SRT Bench Sheet

Test Organism: *Americamysis bahia* Method 2007.0; *Menidia beryllina* Method 2006.0; *Hyalella azteca* Method 100.1 EPA-600-R-99-064; *Ceriodaphnia dubia* Method 2002.0; *Cyprinella leedsi* Method 2000.0; *Pimephales promelas* Method 2000.0; Other: _____

Method from EPA-821-R-[illegible]

Test Type: 48 hour non-renewal / 96 hour renewal

Test Page 1 of 2

Diluent/ Batch #: DMW / 4-2-07

Toxicant/ Batch#: NaCl / 4-3-07

Test Beginning: Date: 4-3-07 Time: 1400

Test Ending: Date: 4-7-07 Time: 09:00

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	BA
Alkalinity (mg/L as $CaCO_3$):	78	Hach	PPV
Hardness (mg.L as $CaCO_3$):	88	Hach	PPV
Total Ammonia (mg/L as N):	<0.017	Denver	MF
Salinity (ppth):	21	Mettler	BA

Organism Batch #/ Age: 13-07 / <24hrs

Feeding: (Prior to test) Prior to renewal / Daily

Food: YCT *P.subcapitata* Artemia: Lot #_____

Food Batch: 1-1-07 02-07-07 0hr 24hr 48hr 72hr

Chamber size: 30 mL

Test volume: 20 mL per replicate

Conc µg/L 0	Rep.	Chamber #	Number Live 0 hr / 48 hr	Number Live 24 hr / 72 hr	Number Live 48 hr / 96 hr	pH (SU) 0 hr / 48 hr	pH (SU) 24 hr / 72 hr	pH (SU) 48 hr / 96 hr	Temperature (°C) 0 hr / 48 hr	Temperature (°C) 24 hr / 72 hr	Temperature (°C) 48 hr / 96 hr	D.O. (mg/L) 0 hr / 48 hr	D.O. (mg/L) 24 hr / 72 hr	D.O. (mg/L) 48 hr / 96 hr	Uncorrected Conductivity µmhom/cm (mmhos/cm) 0 hr / 48 hr	Uncorrected Conductivity 24 hr / 72 hr	Uncorrected Conductivity 48 hr / 96 hr
Control	A	A	5	5	5	8.0		8.2	24.0		24.0	7.3		7.9	0.173		0.195
	B	B	5	5	5												
	C	C	5	5	5												
	D	D	5	5	5												
1.5	A	A	5	5	5	8.1		8.1	24.0		24.0	7.5		7.8	2.96		3.21
	B	B	5	5	5												
	C	C	5	5	5												
	D	D	5	5	5												
2.0	A	A	5	5	5	8.1		8.1	24.0		24.0	7.4		7.8	3.83		4.24
	B	B	5	4 1D	4												
	C	C	4	2 2D	2												
	D	D	5	5	4 1D												
2.5	A	A	1	0 1D	-	8.1		8.1	24.0		24.0	7.4		7.7	4.61		5.29
	B	B	3	1 2D	0 1D												
	C	C	2	1 1D	0 1D												
	D	D	1	1	0 1D												
3.0	A	A	-	-	-	-		-	-		-	-		-	-		-
	B	B	-	-	-												
	C	C	-	-	-												
	D	D	-	-	-												
4.0	A	A	-	-	-	-		-	-		-	-		-	-		-
	B	B	-	-	-												
	C	C	-	-	-												
	D	D	-	-	-												
	A																
	B																
	C																
	D																
Loaded / measured by:			BA	BA	BA	BA		BA	BA		BA	BA		BA	BA		BA
Recorded by:			BA	BA	BA	BA		BA	BA		BA	BA		BA	BA		BA

Investigators' Signatures

Concentrations prepared by: BA

Loading verified by: PPV

Light Intensity: 50-100 ft. candles

Photoperiod: 16 hours Light / 8 hours dark

Temperature Range °C:

Incubator # 2 min. 23.7 max. 26.3 mean 26.0

Incubator # ___ min. ___ max. ___ mean ___

Room B246 min. 24.9 max. 26.3 mean 25.6

REVIEWER

Comments:

Statistics: Method: Spearman-Karber

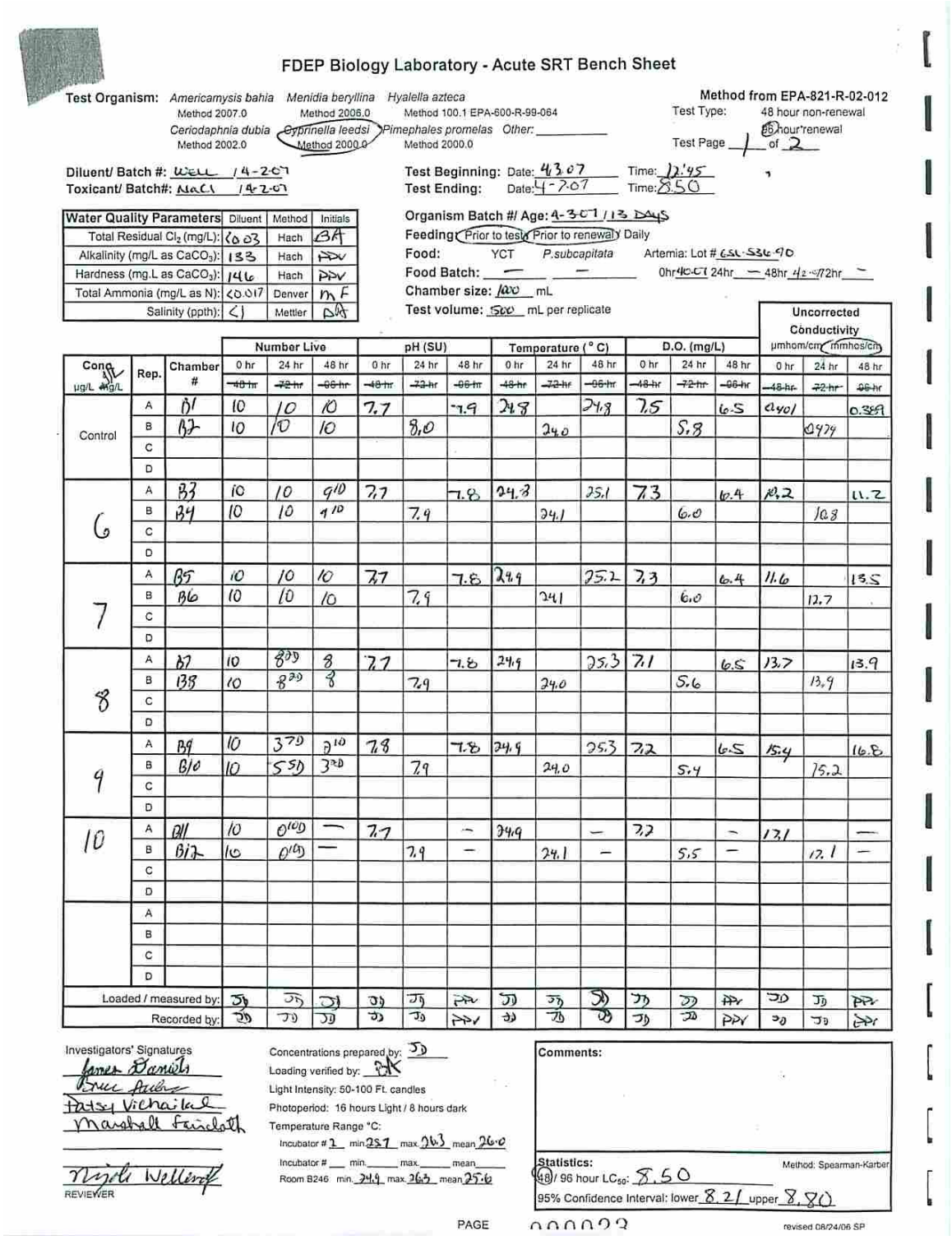
48 / (96) hour LC_{50}: 2.10

95% Confidence Interval: lower 2.00 upper 2.20

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Appendix C. (continued)



FDEP Biology Laboratory - Acute SRT Bench Sheet

Test Organism: *Americamysis bahia* Method 2007.0; *Menidia beryllina* Method 2006.0; *Hyalella azteca* Method 100.1 EPA-600-R-99-064; *Ceriodaphnia dubia* Method 2002.0; *Cyprinella leedsi* Method 2000.0; *Pimephales promelas* Method 2000.0; Other: _____

Method from EPA-821-R-02-012

Test Type: 48 hour non-renewal; (96 hour renewal)

Test Page 1 of 2

Diluent/ Batch #: well / 4-2-07

Toxicant/ Batch#: NaCl / 4-2-07

Test Beginning: Date: 4.3.07 Time: 12:45

Test Ending: Date: 4-7-07 Time: 8:50

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	BA
Alkalinity (mg/L as $CaCO_3$):	133	Hach	PPV
Hardness (mg.L as $CaCO_3$):	146	Hach	PPV
Total Ammonia (mg/L as N):	<0.017	Denver	MF
Salinity (ppth):	<1	Mettler	DM

Organism Batch #/ Age: 4-3-07 / 13 DAYS

Feeding (Prior to test) (Prior to renewal) Daily

Food: YCT *P.subcapitata* Artemia: Lot # GSL-S36-90

Food Batch: — — 0hr 40-07 24hr — 48hr 4/2 - 4/2 72hr —

Chamber size: 100 mL

Test volume: 500 mL per replicate

Conc µg/L (mg/L)	Rep.	Chamber #	Number Live 0 hr (48 hr)	Number Live 24 hr (72 hr)	Number Live 48 hr (96 hr)	pH (SU) 0 hr (48 hr)	pH (SU) 24 hr (72 hr)	pH (SU) 48 hr (96 hr)	Temperature (°C) 0 hr (48 hr)	Temperature (°C) 24 hr (72 hr)	Temperature (°C) 48 hr (96 hr)	D.O. (mg/L) 0 hr (48 hr)	D.O. (mg/L) 24 hr (72 hr)	D.O. (mg/L) 48 hr (96 hr)	Uncorrected Conductivity µmhom/cm (mmhos/cm) 0 hr (48 hr)	Uncorrected Conductivity 24 hr (72 hr)	Uncorrected Conductivity 48 hr (96 hr)
Control	A	B1	10	10	10	7.7		7.9	24.8		24.8	7.5		6.5	0.401		0.389
	B	B7	10	10	10		8.0			24.0			5.8			0.474	
	C																
	D																
6	A	B3	10	10	9 10	7.7		7.8	24.8		25.1	7.3		6.4	11.2		11.2
	B	B4	10	10	9 10		7.9			24.1			6.0			10.8	
	C																
	D																
7	A	B5	10	10	10	7.7		7.8	24.9		25.2	7.3		6.4	11.6		13.5
	B	B6	10	10	10		7.9			24.1			6.0			12.7	
	C																
	D																
8	A	B7	10	8 3D	8	7.7		7.8	24.9		25.3	7.1		6.5	13.7		13.9
	B	B8	10	8 3D	8		7.9			24.0			5.6			13.9	
	C																
	D																
9	A	B9	10	3 7D	3 10	7.8		7.8	24.9		25.3	7.2		6.5	15.4		16.8
	B	B10	10	5 5D	3 2D		7.9			24.0			5.4			15.2	
	C																
	D																
10	A	B11	10	0 10D	—	7.7		—	24.9		—	7.2		—	13.1		—
	B	B12	10	0 10D	—		7.9	—		24.1	—		5.5	—		12.1	—
	C																
	D																
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	JD	JD	JD	PPV	JD	JD	JD	JD	JD	PPV	JD	JD	PPV
Recorded by:			JD	JD	JD	JD	JD	PPV	JD	JD	JD	JD	JD	PPV	JD	JD	PPV

Investigators' Signatures

James Daniels

Eric Ahlers

Patsy Vichaikul

Marshall Faircloth

Nicole Wellendorf

REVIEWER

Concentrations prepared by: JD

Loading verified by: PK

Light Intensity: 50-100 Ft. candles

Photoperiod: 16 hours Light / 8 hours dark

Temperature Range °C:

Incubator # 1 min. 25.1 max. 26.3 mean 26.0

Incubator # ___ min. ___ max. ___ mean ___

Room B246 min. 24.9 max. 26.3 mean 25.6

Comments:

Statistics: Method: Spearman-Karber

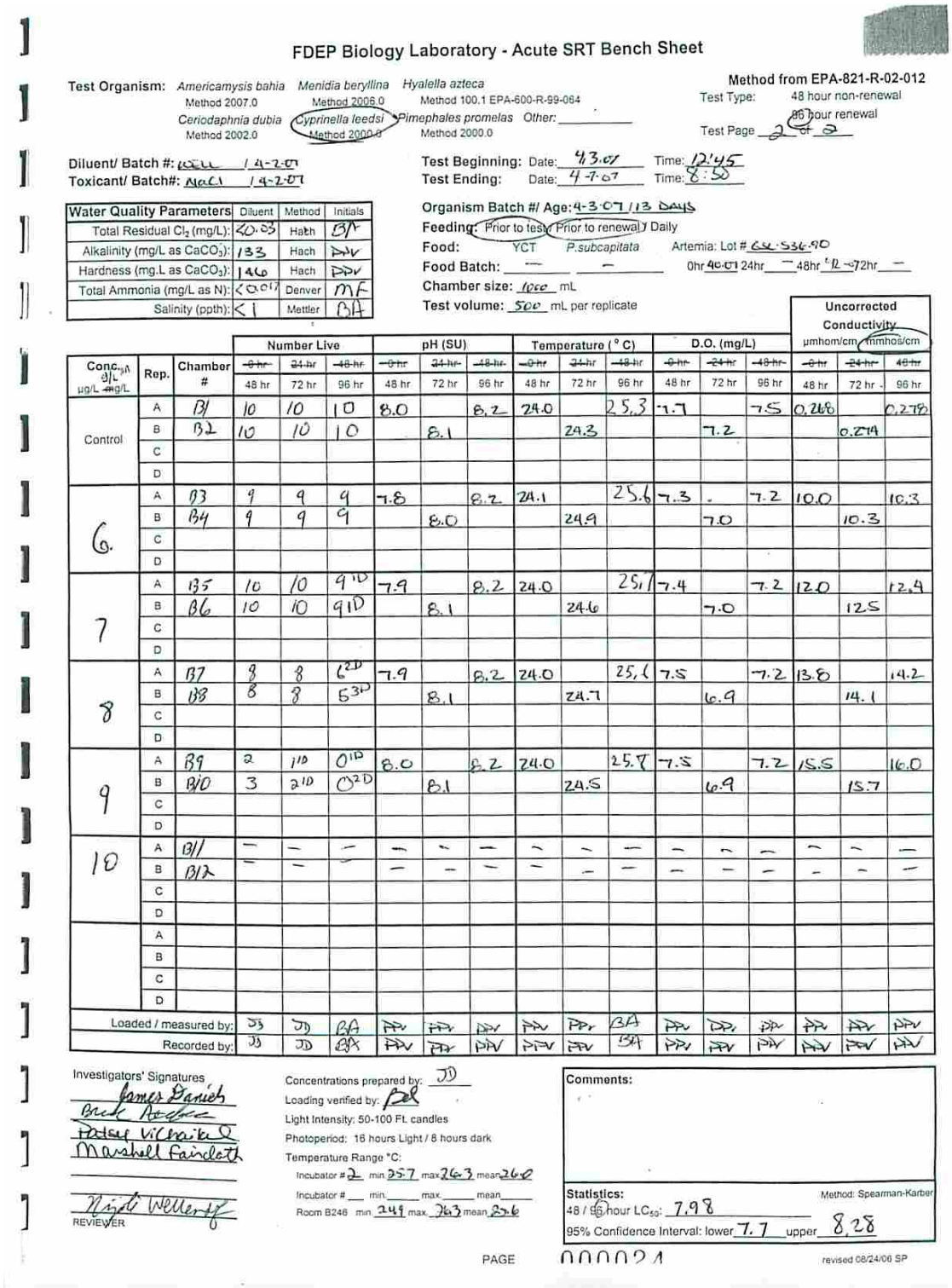
(48) / 96 hour LC_{50}: 8.50

95% Confidence Interval: lower 8.21 upper 8.80

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Appendix C. (continued)



FDEP Biology Laboratory - Acute SRT Bench Sheet

Test Organism: *Americamysis bahia* Method 2007.0; *Menidia beryllina* Method 2006.0; *Hyalella azteca* Method 100.1 EPA-600-R-99-064; *Ceriodaphnia dubia* Method 2002.0; *Cyprinella leedsi* Method 2000.0; *Pimephales promelas* Method 2000.0; Other: _____

Method from EPA-821-R-02-012
Test Type: 48 hour non-renewal / 96 hour renewal
Test Page 2 of 2

Diluent/ Batch #: ASW / 4-2-07
Toxicant/ Batch#: NaCl / 4-2-07

Test Beginning: Date: 4.3.07 Time: 12:45
Test Ending: Date: 4-7-07 Time: 8:50

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.05	Hatn	BA
Alkalinity (mg/L as $CaCO_3$):	133	Hach	DAV
Hardness (mg.L as $CaCO_3$):	1460	Hach	DAV
Total Ammonia (mg/L as N):	<0.07	Denver	MF
Salinity (ppth):	<1	Mettler	BA

Organism Batch #/ Age: 4-3-07 / 13 DAYS
Feeding: Prior to test / Prior to renewal / Daily
Food: YCT *P.subcapitata* Artemia: Lot # GSL-536-90
Food Batch: — —
0hr 40.07 24hr — 48hr 42 72hr —
Chamber size: 1000 mL
Test volume: 500 mL per replicate

Conc. g/L µg/L mg/L	Rep.	Chamber #	Number Live 0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	pH (SU) 0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	Temperature (° C) 0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	D.O. (mg/L) 0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	Uncorrected Conductivity µmhom/cm mmhos/cm 0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr
Control	A	B1	10	10	10	8.0		8.2	24.0		25.3	7.7		7.5	0.268		0.278
	B	B2	10	10	10		8.1			24.3			7.2			0.274	
	C																
	D																
6	A	B3	9	9	9	7.8		8.2	24.1		25.6	7.3		7.2	10.0		10.3
	B	B4	9	9	9		8.0			24.9			7.0			10.3	
	C																
	D																
7	A	B5	10	10	9 1D	7.9		8.2	24.0		25.1	7.4		7.2	12.0		12.4
	B	B6	10	10	9 1D		8.1			24.6			7.0			12.5	
	C																
	D																
8	A	B7	8	8	6 2D	7.9		8.2	24.0		25.1	7.5		7.2	13.8		14.2
	B	B8	8	8	5 3D		8.1			24.7			6.9			14.1	
	C																
	D																
9	A	B9	2	1 1D	0 1D	8.0		8.2	24.0		25.7	7.5		7.2	15.5		16.0
	B	B10	3	2 1D	0 2D		8.1			24.5			6.9			15.7	
	C																
	D																
10	A	B11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	B	B12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	C																
	D																
	A																
	B																
	C																
	D																
Loaded / measured by:			JJ	JD	BA	AP	AP	AP	AP	AP	BA	AP	AP	AP	AP	AP	AP
Recorded by:			JJ	JD	BA	AP	AP	AP	AP	AP	BA	AP	AP	AP	AP	AP	AP

Investigators' Signatures
James Daniels
Brad Rochon
Patsy Vickers
Marshall Faircloth
Nigel Wellendorf
REVIEWER

Concentrations prepared by: JD
Loading verified by: BA
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min 25.7 max 26.3 mean 26.0
Incubator # ___ min ___ max ___ mean ___
Room B246 min 24.9 max 26.3 mean 25.6

Comments:

Statistics: Method: Spearman-Karber
48 / 96 hour LC_{50}: 7.98
95% Confidence Interval: lower 7.7 upper 8.28

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Appendix C. (continued)

***Ceriodaphnia dubia* Acute Standard Reference Toxicant Test**

DATE: 04-03-07 DURATION: 48 hr. TOXICANT: NaCl
SPECIES: Ceriodaphnia dubia

RAW DATA: Concentration (g/L)	Number Exposed	Mortalities
0.00	20	0
1.50	20	0
2.00	20	1
2.50	20	13
3.00	20	20
4.00	20	20

SPEARMAN-KARBER TRIM: 0.00%

SPEARMAN-KARBER ESTIMATES: LC50: 2.37
95% LOWER CONFIDENCE: 2.25
95% UPPER CONFIDENCE: 2.49

***Cyprinella leedsi* Acute Standard Reference Toxicant Test**

DATE: 04-03-07 DURATION: 48 hr TOXICANT: NaCl
SPECIES: Cyprinella leedsi

RAW DATA: Concentration (g/L)	Number Exposed	Mortalities
0.00	20	0
6.00	20	2
7.00	20	0
8.00	20	4
9.00	20	15
10.00	20	20

SPEARMAN-KARBER TRIM: 5.00%

SPEARMAN-KARBER ESTIMATES: LC50: 8.50
95% LOWER CONFIDENCE: 8.21
95% UPPER CONFIDENCE: 8.80

NOTE: MORTALITY PROPORTIONS WERE NOT MONOTONICALLY INCREASING. ADJUSTMENTS WERE MADE PRIOR TO SPEARMAN-KARBER ESTIMATION.

Appendix D. Test Organism Receipts

MBL Aquaculture
4569 Samuel Street
Sarasota, Florida 34233
TEL: (800) 889-0384
FAX: (941) 922-3874
EMAIL: sales@mblaquaculture.com
WEB: www.MBLAquaculture.com

NELAC Accredited

Organism Shipment Record

State of Florida Aquaculture Certificate Number AQ0668007

Date: 4/2/07

Shipped to: FDEP

P.O. No: _____

Species	Quantity	Age	Brood Number	Temperature	Salinity
Mysidopsis bahia	400+	4 Days	MS070329	25°C	~15‰
Menidia beryllina	400+	11 Days	SS070311	25°C	~15‰
Cyprinella leedsi	150+	11 Days	CL070321	25°C	
Pimephales promelas	150+	8 Days	FM070315-1530	25°C	

Packed by: Frank Gauj

Shipped Via: FedEx

Notes: _____

Thank you for your order

Appendix D. (continued)

MBL Aquaculture
4569 Samuel Street
Sarasota, Florida 34233
TEL: (800) 889-0384
FAX: (941) 922-3874
EMAIL: sales@mblaquaculture.com
WEB: www.MBLAquaculture.com

NELAC Accredited

Organism Shipment Record

State of Florida Aquaculture Certificate Number AQ0668007

Date: 4/9/07

Shipped to: FSU

P.O. No: _____

Species	Quantity	Age	Brood Number	Temperature	Salinity
Mysidopsis bahia	150+	4 Day	MSC 1405	25C	~30‰
Menidia beryllina	150+	12 Day	SSC 1405	25°C	~30‰
Cyprinella leedsi	50+	12 Day	CHC 0305	25°C	
Pimephales promelas					

Packed by: Frank Gauji

Shipped Via: FedEx

Notes: _____

Thank you for your order.

Frank

Appendix E. Chemical Analyses performed on the effluent from the Ideal Mobile Home Park Wastewater Treatment Facility Outfall D-001, sampled on April 9, 2007.

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
4/9/2007 10:15	Effluent	AGP/LN	Algal Growth Potential	474		mg DryWt/L	0.3	0.9
4/9/2007 10:15	Effluent	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	3.8	A	mg/L	0.2	2
4/9/2007 10:15	Effluent	Metals	Aluminum	34		ug/L	4	16
4/9/2007 10:15	Effluent	Metals	Calcium	75.9		mg/L	0.02	0.08
4/9/2007 10:15	Effluent	Metals	Chromium	0.3	U	ug/L	0.3	1.2
4/9/2007 10:15	Effluent	Metals	Iron	35		ug/L	5	20
4/9/2007 10:15	Effluent	Metals	Magnesium	27.3		mg/L	0.005	0.02
4/9/2007 10:15	Effluent	Metals	Nickel	2	I	ug/L	1	4
4/9/2007 10:15	Effluent	Metals	Zinc	41		ug/L	5	20
4/9/2007 10:15	Effluent	Metals	Arsenic	0.58	I	ug/L	0.5	2
4/9/2007 10:15	Effluent	Metals	Cadmium	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Metals	Copper	4.85		ug/L	0.2	0.8
4/9/2007 10:15	Effluent	Metals	Lead	0.23	I	ug/L	0.2	0.8
4/9/2007 10:15	Effluent	Metals	Selenium	0.5	U	ug/L	0.5	2
4/9/2007 10:15	Effluent	Metals	Silver	0.025	U	ug/L	0.025	0.1
4/9/2007 10:15	Effluent	Nutrients	Ammonia-N	0.047		mg N/L	0.01	0.02
4/9/2007 10:15	Effluent	Nutrients	NO2NO3-N	29		mg N/L	0.2	0.5
4/9/2007 10:15	Effluent	Nutrients	O-Phosphate-P	4.6		mg P/L	0.16	0.4
4/9/2007 10:15	Effluent	Nutrients	Kjeldahl Nitrogen	1.6	J	mg N/L	0.16	0.4
4/9/2007 10:15	Effluent	Nutrients	Total-P	4.8		mg P/L	0.2	0.6
4/9/2007 10:15	Effluent	Nutrients	TSS	11	I	mg/L	4	16
4/9/2007 10:15	Effluent	Pesticides	Alachlor	0.6	UJ	ug/L	0.6	2.4
4/9/2007 10:15	Effluent	Pesticides	Ametryn	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Pesticides	Atrazine	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Pesticides	Azinphos Methyl	0.2	U	ug/L	0.2	0.8
4/9/2007 10:15	Effluent	Pesticides	Bromacil	0.2	U	ug/L	0.2	0.8
4/9/2007 10:15	Effluent	Pesticides	Butylate	0.2	UJ	ug/L	0.2	0.8
4/9/2007 10:15	Effluent	Pesticides	Chlorpyrifos Ethyl	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Pesticides	Chlorpyrifos Methyl	0.1	U	ug/L	0.1	0.4
4/9/2007 10:15	Effluent	Pesticides	Diazinon	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Pesticides	Ethion	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Pesticides	Ethoprop	0.1	U	ug/L	0.1	0.4
4/9/2007 10:15	Effluent	Pesticides	Fenamiphos	0.2	U	ug/L	0.2	0.8
4/9/2007 10:15	Effluent	Pesticides	Fonofos	0.1	U	ug/L	0.1	0.4
4/9/2007 10:15	Effluent	Pesticides	Hexazinone	0.1	U	ug/L	0.1	0.4
4/9/2007 10:15	Effluent	Pesticides	Malathion	0.15	UJ	ug/L	0.15	0.6
4/9/2007 10:15	Effluent	Pesticides	Metalaxyl	0.25	U	ug/L	0.25	1
4/9/2007 10:15	Effluent	Pesticides	Metolachlor	0.5	U	ug/L	0.5	2
4/9/2007 10:15	Effluent	Pesticides	Metribuzin	0.1	U	ug/L	0.1	0.4
4/9/2007 10:15	Effluent	Pesticides	Mevinphos	0.2	U	ug/L	0.2	0.8
4/9/2007 10:15	Effluent	Pesticides	Naled	0.8	UJ	ug/L	0.8	3.2
4/9/2007 10:15	Effluent	Pesticides	Norflurazon	0.15	U	ug/L	0.15	0.6
4/9/2007 10:15	Effluent	Pesticides	Parathion Ethyl	0.15	U	ug/L	0.15	0.6

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
4/9/2007 10:15	Effluent	Pesticides	Parathion Methyl	0.1	UJ	ug/L	0.1	0.4
4/9/2007 10:15	Effluent	Pesticides	Phorate	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Pesticides	Prometryn	0.15	U	ug/L	0.15	0.6
4/9/2007 10:15	Effluent	Pesticides	Simazine	0.05	U	ug/L	0.05	0.2
4/9/2007 10:15	Effluent	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	1,2-Dichlorobenzene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	1,3-Dichlorobenzene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	1,4-Dichlorobenzene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2,4-Dichlorophenol	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2,4-Dimethylphenol	9.9	U	ug/L	9.9	40
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2,4-Dinitrophenol	15	UJ	ug/L	15	59
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2,4-Dinitrotoluene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2,6-Dinitrotoluene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2-Chloronaphthalene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2-Chlorophenol	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3	UJ	ug/L	3	12
4/9/2007 10:15	Effluent	Priority Organic Pollutants	2-Nitrophenol	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	3,3'-Dichlorobenzidine	40	UJ	ug/L	40	160
4/9/2007 10:15	Effluent	Priority Organic Pollutants	4,4'-DDD	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	4,4'-DDE	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	4,4'-DDT	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	2	U	ug/L	2	7.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	4-Nitrophenol	15	U	ug/L	15	59
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Acenaphthene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Acenaphthylene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Aldrin	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Anthracene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Benzidine	99	U	ug/L	99	400
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Benzo(a)anthracene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Benzo(a)pyrene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Benzo(b)fluoranthene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Benzo(k)fluoranthene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	3	U	ug/L	3	12
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	15	U	ug/L	15	59
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Butyl benzyl phthalate	5	U	ug/L	5	20
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Chrysene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Di-n-butyl phthalate	5	U	ug/L	5	20
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Di-n-octyl phthalate	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.99	U	ug/L	0.99	4

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Dieldrin	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Diethyl phthalate	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Dimethyl phthalate	50	U	ug/L	50	200
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Endosulfan I	4	U	ug/L	4	16
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Endosulfan II	4	U	ug/L	4	16
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Endosulfan sulfate	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Endrin	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Endrin aldehyde	4	U	ug/L	4	16
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Fluoranthene	1.3	I	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Fluorene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Heptachlor	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Heptachlor epoxide	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Hexachlorobenzene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Hexachlorobutadiene	3	U	ug/L	3	12
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Hexachlorocyclopentadiene	3	U	ug/L	3	12
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Hexachloroethane	3	U	ug/L	3	12
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Isophorone	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	2	U	ug/L	2	7.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	N-Nitrosodimethylamine	2	U	ug/L	2	7.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	3	U	ug/L	3	12
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Naphthalene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Nitrobenzene	2	U	ug/L	2	7.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Pentachlorophenol	3	U	ug/L	3	12
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Phenanthrene	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Phenol	0.99	U	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	Pyrene	1	I	ug/L	0.99	4
4/9/2007 10:15	Effluent	Priority Organic Pollutants	alpha-BHC	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	beta-BHC	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	delta-BHC	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Priority Organic Pollutants	gamma-BHC	1.5	U	ug/L	1.5	5.9
4/9/2007 10:15	Effluent	Field Parameters	Dissolved Oxygen	6.58		mg/L		
4/9/2007 10:15	Effluent	Field Parameters	Specific Conductance	848		umhos/cm		
4/9/2007 10:15	Effluent	Field Parameters	Temperature	16.26		C		
4/9/2007 10:15	Effluent	Field Parameters	Total Residual Chlorine	0.01		mg/L		
4/9/2007 10:15	Effluent	Field Parameters	pH	6.99				
4/9/2007 10:00	Field Blank	Metals	Aluminum	4	U	ug/L	4	16
4/9/2007 10:00	Field Blank	Metals	Calcium	0.02	U	mg/L	0.02	0.08
4/9/2007 10:00	Field Blank	Metals	Chromium	0.3	U	ug/L	0.3	1.2
4/9/2007 10:00	Field Blank	Metals	Iron	5	U	ug/L	5	20
4/9/2007 10:00	Field Blank	Metals	Magnesium	0.005	U	mg/L	0.005	0.02
4/9/2007 10:00	Field Blank	Metals	Nickel	1	U	ug/L	1	4
4/9/2007 10:00	Field Blank	Metals	Zinc	5	U	ug/L	5	20
4/9/2007 10:00	Field Blank	Metals	Arsenic	0.5	U	ug/L	0.5	2
4/9/2007 10:00	Field Blank	Metals	Cadmium	0.05	U	ug/L	0.05	0.2

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
4/9/2007 10:00	Field Blank	Metals	Copper	0.2	U	ug/L	0.2	0.8
4/9/2007 10:00	Field Blank	Metals	Lead	0.2	U	ug/L	0.2	0.8
4/9/2007 10:00	Field Blank	Metals	Selenium	0.5	U	ug/L	0.5	2
4/9/2007 10:00	Field Blank	Metals	Silver	0.025	U	ug/L	0.025	0.1
4/9/2007 10:00	Field Blank	Nutrients	Ammonia-N	0.01	U	mg N/L	0.01	0.02
4/9/2007 10:00	Field Blank	Nutrients	NO2NO3-N	0.004	U	mg N/L	0.004	0.01
4/9/2007 10:00	Field Blank	Nutrients	O-Phosphate-P	0.004	U	mg P/L	0.004	0.01
4/9/2007 10:00	Field Blank	Nutrients	Kjeldahl Nitrogen	0.08	U	mg N/L	0.08	0.2
4/9/2007 10:00	Field Blank	Nutrients	Total-P	0.02	U	mg P/L	0.02	0.06
4/9/2007 10:00	Field Blank	Pesticides	Alachlor	0.58	UJ	ug/L	0.58	2.3
4/9/2007 10:00	Field Blank	Pesticides	Ametryn	0.049	U	ug/L	0.049	0.2
4/9/2007 10:00	Field Blank	Pesticides	Atrazine	0.049	U	ug/L	0.049	0.2
4/9/2007 10:00	Field Blank	Pesticides	Azinphos Methyl	0.19	U	ug/L	0.19	0.76
4/9/2007 10:00	Field Blank	Pesticides	Bromacil	0.19	U	ug/L	0.19	0.76
4/9/2007 10:00	Field Blank	Pesticides	Butylate	0.19	UJ	ug/L	0.19	0.76
4/9/2007 10:00	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.049	U	ug/L	0.049	0.2
4/9/2007 10:00	Field Blank	Pesticides	Chlorpyrifos Methyl	0.097	U	ug/L	0.097	0.39
4/9/2007 10:00	Field Blank	Pesticides	Diazinon	0.049	U	ug/L	0.049	0.2
4/9/2007 10:00	Field Blank	Pesticides	Ethion	0.049	U	ug/L	0.049	0.2
4/9/2007 10:00	Field Blank	Pesticides	Ethoprop	0.097	U	ug/L	0.097	0.39
4/9/2007 10:00	Field Blank	Pesticides	Fenamiphos	0.19	U	ug/L	0.19	0.76
4/9/2007 10:00	Field Blank	Pesticides	Fonofos	0.097	U	ug/L	0.097	0.39
4/9/2007 10:00	Field Blank	Pesticides	Hexazinone	0.097	U	ug/L	0.097	0.39
4/9/2007 10:00	Field Blank	Pesticides	Malathion	0.15	UJ	ug/L	0.15	0.6
4/9/2007 10:00	Field Blank	Pesticides	Metalaxyl	0.24	U	ug/L	0.24	0.96
4/9/2007 10:00	Field Blank	Pesticides	Metolachlor	0.49	U	ug/L	0.49	2
4/9/2007 10:00	Field Blank	Pesticides	Metribuzin	0.097	U	ug/L	0.097	0.39
4/9/2007 10:00	Field Blank	Pesticides	Mevinphos	0.19	U	ug/L	0.19	0.76
4/9/2007 10:00	Field Blank	Pesticides	Naled	0.78	UJ	ug/L	0.78	3.1
4/9/2007 10:00	Field Blank	Pesticides	Norflurazon	0.15	U	ug/L	0.15	0.6
4/9/2007 10:00	Field Blank	Pesticides	Parathion Ethyl	0.15	U	ug/L	0.15	0.6
4/9/2007 10:00	Field Blank	Pesticides	Parathion Methyl	0.097	UJ	ug/L	0.097	0.39
4/9/2007 10:00	Field Blank	Pesticides	Phorate	0.049	U	ug/L	0.049	0.2
4/9/2007 10:00	Field Blank	Pesticides	Prometryn	0.15	U	ug/L	0.15	0.6
4/9/2007 10:00	Field Blank	Pesticides	Simazine	0.049	U	ug/L	0.049	0.2
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	1,2-Dichlorobenzene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	1,3-Dichlorobenzene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	1,4-Dichlorobenzene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	10	U	ug/L	10	41
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	15	UJ	ug/L	15	61
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	1	U	ug/L	1	4.1

Appendix E. (continued)

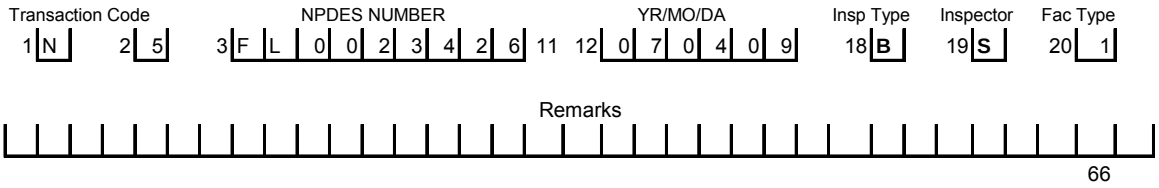
Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2-Chlorophenol	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1	UJ	ug/L	3.1	12
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	2-Nitrophenol	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	41	UJ	ug/L	41	160
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	4,4'-DDD	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	4,4'-DDE	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	4,4'-DDT	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	2	U	ug/L	2	8.2
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	4-Nitrophenol	15	U	ug/L	15	61
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Acenaphthene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Acenaphthylene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Aldrin	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Anthracene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Benzidine	100	U	ug/L	100	410
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	3.1	U	ug/L	3.1	12
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	15	U	ug/L	15	61
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	5.1	U	ug/L	5.1	20
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Chrysene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	5.1	U	ug/L	5.1	20
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Dieldrin	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Diethyl phthalate	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	51	U	ug/L	51	200
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Endosulfan I	4.1	U	ug/L	4.1	16
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Endosulfan II	4.1	U	ug/L	4.1	16
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Endosulfan sulfate	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Endrin	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Endrin aldehyde	4.1	U	ug/L	4.1	16
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Fluoranthene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Fluorene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Heptachlor	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Heptachlor epoxide	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	3.1	U	ug/L	3.1	12

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	3.1	U	ug/L	3.1	12
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Hexachloroethane	3.1	U	ug/L	3.1	12
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Isophorone	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	2	U	ug/L	2	8.2
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2	U	ug/L	2	8.2
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	3.1	U	ug/L	3.1	12
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Naphthalene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Nitrobenzene	2	U	ug/L	2	8.2
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Pentachlorophenol	3.1	U	ug/L	3.1	12
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Phenanthrene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Phenol	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	Pyrene	1	U	ug/L	1	4.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	alpha-BHC	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	beta-BHC	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	delta-BHC	1.5	U	ug/L	1.5	6.1
4/9/2007 10:00	Field Blank	Priority Organic Pollutants	gamma-BHC	1.5	U	ug/L	1.5	6.1

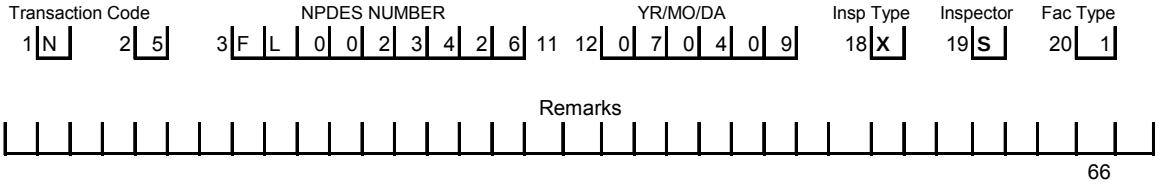
The Bioassay of Ideal Mobile Home Park Wastewater Treatment Facility effluent sampled on April 9, 2007. NPDES #FL0023426.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)



The Priority Pollutants Analysis of Ideal Mobile Home Park Wastewater Treatment Facility effluent sampled on April 9, 2007. NPDES #FL0023426.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)



Biological Analyses of Ideal Mobile Home Park Wastewater Treatment facility effluent sampled on April 9, 2007. NPDES #FL0023426.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

