

Effluent Quality Assessment

Coca-Cola North America

Pinellas County

NPDES #FL0000477

Sampled June 23, 2008

November 2008

Biology Section
Bureau of Laboratories
Division of Environmental Assessment and Restoration

Quality Manual No. 870346G
NELAC Certification No. E31780

Coca-Cola North America, 427 San Christopher Drive, Dunedin, Pinellas County, Florida, 34698. NPDES #FL0000477. Effluent samples for this facility were collected on June 23, 2008. An additional bioassay sample (for renewal at 48 hours) was collected on June 25, 2008.

Introduction

Coca-Cola North America is a fruit juice blending and packaging facility with an average production of 356 tons/day of frozen and chilled juices. The facility has an onsite reverse osmosis (RO) system which is used to treat onsite well water for use as an ingredient for various juice concentrate products. The facility also has an onsite activated-sludge wastewater treatment plant system consisting of:

- one manually cleaned filter basket;
- two 250,000 gallon equalization tanks,
- one 2.0 million gallon aeration basin;
- one clarifier;
- three sand filters;
- two carbon towers;
- three polishing filters;
- one sludge holding tank; and,
- one sludge filter press.

The facility treats process-wastewater consisting of water from:

- process blending;
- tank cleaning:
- boiler blowdown;
- cleaning of truck unloading area;
- non-contact defrost;
- well water used for cleaning the activated sludge treatment plant;
- maintenance of the wastewater treatment plant;
- collected stormwater runoff;
- reverse osmosis plant concentrate and backwash; and,
- backwash from the on-site wastewater treatment plant.

The facility does not use chlorine in the wastewater treatment process. Alum is used for pH control. Liquid Urea and Phosphoric Acid are added as nutrient sources for the BOD load. Dewatered residuals are transported to a landfill for disposal. Effluent discharge from the facility is intermittent. The facility has a permitted discharge of 0.45 million gallons per day (MGD) annual average daily flow (AADF). The AADF through the facility from June 2007 through May 2008 was 0.2542 MGD. Effluent is discharged through Outfall D-001 to the Class III Marine waters of St. Joseph Sound. Outfall D-001 is located approximately at latitude 28º 01’ 13” N, longitude 82º 47’ 38” W.

The facility has no Administrative Orders, Consent Orders or mixing zones. A review of Discharge Monitoring Report (DMR) data for the past year, revealed several permit violations for total suspended solids (TSS) beginning in January 2008 (January 3, 17, 23 and 30; respective values, 16 mg/L, 24 mg/L, 14 mg/L and 27 mg/L; February 7, 15 and 22; respective values, 44 mg/L, 34 mg/L and 14 mg/L; March 28, value 73 mg/L; April 3, value 29 mg/L). These values either exceeded the single sample maximum permitted TSS limit of ≤ 20 mg/L or the monthly average permitted limit of ≤ 10 mg/L. There was a single permit violation for BOD on March 28, 2008 (value 22.00 mg/L; permitted limit of ≤ 20 mg/L). The DMR review found the facility to be operating within permitted limits except as noted above.

Acute toxicity testing was bi-annual through 2006 and has since been annual beginning in 2007. Tests dating back to December 2004 are passing as was the last acute toxicity test performed on December 12, 2007. (Facility information provided by Peter Wenner of FDEP Southwest District.)

Methods

Samples were collected from the EFF-01 NPDES sampling point (after polishing filter prior to Parshall flume) for Outfall D-001 by Peter Wenner (FDEP Southwest 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 96-hour acute definitive toxicity tests and algal growth potential test were performed following internal DEP SOPs TA07_03, TA07_04, and TA08_01 through TA08_09. The bioassays were performed in accordance with permitted conditions. All internal DEP SOPs are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp.

The bioassay samples were salinity-adjusted from an apparent salinity of approximately 1 part per thousand (ppth) to a salinity of approximately 30 ppth using 40 Fathoms® artificial sea salts per permit conditions. A salt-control was prepared by diluting 20 ppth artificial seawater (ASW) with well water to a salinity of approximately 1 ppth then salting this solution with artificial sea salts to match the salinity of the test solution (approximately 30 ppth). The purpose of the salt control was to confirm that there was no effect of adding artificial sea salts to the sample. There was no mortality in the salt controls of either test.

An aliquot of the AGP sample was salinity adjusted to meet the minimum salinity requirements of the marine test species. Both a freshwater AGP analysis and a marine AGP analysis were performed.

Toxicity Test Results

Tests were performed June 24 - 28, 2008.

Americamysis bahia 96-hour acute definitive bioassay –	LC_{50} > 100%, 0% mortality in 100% sample at 96 hours
Menidia beryllina 96-hour acute definitive bioassay –	LC_{50} > 100%, 10% mortality in 100% sample at 96 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.

Algal Growth Potential

The effluent Algal Growth Potential (AGP) was 9.2 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 3.8 (±20%) mg dry wt/L (Table 1; Miller et al. 1978).

The salinity-adjusted effluent AGP was 3.0 U (U - material was analyzed for but not detected; the value reported is the minimum detection limit) mg dry wt/L of the saltwater species, *Dunaliella tertiolecta.* Raschke and Shultz found that AGP values above 10.0 mg dry weight/L represent a "problem" threshold for marine receiving waters, implying nutrient enrichment (personal communication, Marshall Faircloth, et. al. FDEP, with Ron Raschke USEPA Region 4, 1987). One potential reason for the lack of growth in the salinity-adjusted sample is precipitation of enough orthophosphate by the added salts that the sample became extremely phosphorus-limited (Manahan 1994).

See Table 1 for AGP results.

Chemistry Results

Total residual chlorine and total ammonia were not detected in the bioassay sample in the laboratory. Total ammonia was not detected in the sample collected and preserved for chemical analysis; therefore, the effluent unionized ammonia concentration could not be calculated.

Aluminum and arsenic were detected in the effluent at levels that comply with Class III Marine water quality criteria (62-302.530, F.A.C.). Nickel and zinc were detected between the laboratory method detection limits (MDL) and practical quantitation limits (PQL).

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. See Appendix F for bioassay lab equipment.

Conclusion

The effluent sample collected from the EFF-01 NPDES sampling point for Outfall D-001 for this facility on June 23 and 25, 2008, was not acutely toxic to either test species during the 96-hour acute definitive bioassays. The effluent AGP result slightly exceeded the "problem" threshold for fresh receiving waters. The salinity-adjusted AGP result was less than the method detection limit. This result was likely due to precipitation of phosphorus during the salinity adjustment process. Effluent water quality samples did not exceed any applicable water quality standards or violate any permit conditions.

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.

Manahan, S. E. 1994. Environmental Chemistry, 6th edition. Lewis Publishers, USA. 811 pp

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 1a. 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 collected from the Coca-Cola North America facility on June 23, 2008.

Coca-Cola North America					
Location	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (TN) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent	9.2	3.8 ± 0.8	47.5 ± 9.5	0.6	5.0

Table 1b. Measured algal growth potential (AGP; mg dry weight/L) of the saltwater species *Dunaliella tertiolecta,* and ratios of nitrogen to phosphorus for samples collected from the Coca-Cola North America facility on June 23, 2008.

Coca-Cola North America			
Location	AGP (measured)	Inorganic N:P ratio	Total N:P ratio
Effluent	3.0 U	0.6	5.0

Table 2. Effluent limits, Class III Criteria for predominantly marine waters and chemical and microbiological data for samples collected from the Coca-Cola North America facility on June 23, 2008.

Coca-Cola North America NPDES# FL0000477	Class III Criteria	Effluent Limits	Effluent	
Organic Constituents (µg/L)				
None Detected	-	-	-	
Metals (µg/L unless otherwise noted)				
Aluminum	≤ 1500	-	680	
Arsenic	≤ 50	≤ 50 p	2.1	
Cadmium	≤ 8.8	-	0.1	U
Calcium (mg/L)	-	-	35.7	
Chromium-III	-	-	1	U
Copper	≤ 3.7	≤ 3.7 pm	0.5	U
Iron	≤ 300	-	30	U
Lead	≤ 8.5	-	0.2	U
Magnesium (mg/L)	-	-	6	
Nickel	≤ 8.3	-	0.9	I
Selenium	≤ 71	-	0.5	U
Silver	≤ 2.3	-	0.025	U
Zinc	≤ 86	-	6.9	I
Nutrients (mg/L)				
Ortho-phosphate	-	-	0.16	
Total Phosphorus	-	≤ 1.0 pm	0.25	
Total Ammonia	-	-	0.05	U
Un-ionized Ammonia	-	-	NC	
Nitrate and Nitrite	-	-	0.05	
Total Kjeldahl Nitrogen	-	Report	1.2	
Organic Nitrogen	-	-	1.2	c
Total Nitrogen	-	≤ 3.0 pm	1.25	c
General Physical and Chemical Parameters				
Dissolved Oxygen (mg/L)	≥ 4.0	≥ 5.0 s	7.5	
pH (SU)	6.5 - 8.5	6.5 - 8.5 sp	8.1	
Conductivity (µmhos/cm)	-	Report	1,856	
Temperature °C	-	≤ 33.3 s*	26.8	
Total Residual Chlorine (mg/L)	≤ 0.01	-	≤ 0.03	U£
Chlorophyll a (µg/L) - Corrected	-	-	0.55	U
Phaeophytin (µg/L)	-	-	0.24	U
Total Suspended Solids (mg/L)	-	-	4	U
CBOD, 5 day (mg/L), N - inhibited	-	≤ 20 sp	0.61	I
Alpha, Total (pCi/L)	≤ 15	-	3.7	U
Alpha-Counting Error (pCi/L)	-	-	2.3	
Radium 226 (pCi/L)	-	-	0.3	
Radium 226-Counting Error (pCi/L)	-	-	0.1	
Radium 228 (pCi/L)	-	-	0.8	U
Radium 228-Counting Error (pCi/L)	-	-	0.5	
Radium 226 + 228 (pCi/L)	≤ 5	-	0.3	c
Flow (MGD)	-	≤ 0.45 a	0.2542	a
Hardness (mg $CaCO_3$)	-	-	113.85	c
Microbiology (Number of colony forming units/100ml)				
Fecal Coliforms	≤ 400s #	-	100	Z

Value exceeds the Class III Water Quality Criteria or permit limits

a - Annual average
c - Value is calculated
m - Monthly average
p - permit limit based on 24-hour composite sample
s - Single sample
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
U - Material analyzed for but not detected; value reported is the method detection limit
Z - Colonies were too numerous to count (TNTC)
- If 10 or fewer samples are taken within a month, the single sample limit is 400 CFU (62-302.530(6), F.A.C.)
* - ≤ 33.3° C June- September; ≤ 32.2° C October- May
£ - Analyses performed in bioassay laboratory
NC - Total ammonia was not detected; therefore, unionized ammonia cannot be calculated

Florida Department of Environmental Protection

Central Laboratory Sample Submittal Form

Event ID *

Request Number: RQ-2008-06-09-32
Coca-Cola North America

Requester: Jennifer Paris
Field Report Prepared By:

Customer: SW-DIST
Collected By: PETER WEINER, JASON COHEN
Send Final Report To: [redacted] JCH@ALCOM

Project ID: FYI3
Sampling Agency: FDEP SWD

PMAS: 1143

Lab ID *	Location: EFD-01			☐ Comp ☒ Grab	Collection (begin) Date 6/22/08 Time 1030 Eastern Central	Collection (end) Date Time Eastern Central		Bottle Group(s)**	
	Field ID: 36494			Tot Res Chlorine (mg/L): N/A	Diss Oxygen (mg/L): 7.52	Storet Station Number		A	
	Matrix (Include type e.g. Salt, Fresh, etc): EFFLUENT	Temp (C): 26.82	pH: 8.12	Sample Depth ☐ m ☐ ft: 0.94 / 18.56		☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm)	NPDES Number		
	Latitude: 28 ° 01 ' 13.0 "	Longitude: 82 ° 47 ' 12.6 "		Comments					
Lab ID *	Location: EQUIPMENT BLANKS			☐ Comp ☒ Grab	Collection (begin) Date 6/23/08 Time 0455 Eastern Central	Collection (end) Date Time Eastern Central		Bottle Group(s)**	
	Field ID: 36495			Tot Res Chlorine (mg/L):	Diss Oxygen (mg/L):	Storet Station Number		B	
	Matrix (Include type e.g. Salt, Fresh, etc): DI H_2O	Temp (C):	pH:	Sample Depth ☐ m ☐ ft:		☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm)	NPDES Number		
	Latitude: ° ' "	Longitude: ° ' "		Comments					
Lab ID *	Location:			☐ Comp ☐ Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central		Bottle Group(s)**	
	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)	NPDES Number		
	Latitude: ° ' "	Longitude: ° ' "		Comments					
Lab ID *	Location:			☐ Comp ☐ Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central		Bottle Group(s)**	
	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)	NPDES Number		
	Latitude: ° ' "	Longitude: ° ' "		Comments					

Relinquished By:	Date/Time	Shipping Method:	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/23/08	DHL	M. Faircloth				[signature]	6-24-08 / 8:40 am

↓ 1 bronchial jug MF 6-24-08/021

* Shaded Areas for Lab use only.

** Please see reverse side for Bottle Group information

last revised October 1, 2003

Florida Department of Environmental Protection

Central Laboratory Sample Submittal Form

Event ID *

Request Number: RQ-2008-06-09-32
Coca-Cola North America

Requester: Jennifer Paris
Field Report Prepared By:

Customer: SW-DIST
Collected By: PETE WENNER ; JASON COHEN
Send Final Report To Ilia Balcom

Project ID: FYI3
Sampling Agency: FDEP

PMAS: 1143

Lab ID *	Location EFD-01		☐ Comp ☑ Grab	Collection (begin) Date 6/25/08 Time 935 (Eastern) Central		Collection (end) Date Time	Eastern Central	Bottle Group(s)** A
	Field ID 36496		Tot Res Chlorine (mg/L)	Diss Oxygen (mg/L) 8.71		Storet Station Number		
	Matrix (Include type e.g. Salt, Fresh, etc)	Temp (C) 27.07 / pH 8.21	Sample Depth ☐ m ☐ ft	0.95 / 1878	☑ Salinity (PPTh) ☑ Sp Conductance (umho/cm)	NPDES Number		
	Latitude N 28° 01' 13.0"	Longitude W 82° 47' 12.6"	Comments 2ND Tox Sample					
Lab ID *	Location		☐ Comp ☐ Grab	Collection (begin) Date Time Eastern Central		Collection (end) Date Time	Eastern Central	Bottle Group(s)**
	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)	NPDES Number		
	Latitude o ' "	Longitude o ' "	Comments					
Lab ID *	Location		☐ Comp ☐ Grab	Collection (begin) Date Time Eastern Central		Collection (end) Date Time	Eastern Central	Bottle Group(s)**
	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)	NPDES Number		
	Latitude o ' "	Longitude o ' "	Comments					
Lab ID *	Location		☐ Comp ☐ Grab	Collection (begin) Date Time Eastern Central		Collection (end) Date Time	Eastern Central	Bottle Group(s)**
	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)	NPDES Number		
	Latitude o ' "	Longitude o ' "	Comments					

Relinquished By:	Date/Time 6/25/08 1600	Shipping Method:	Received By:	Date/Time 6-26-08 08:30	Relinquished By:	Date/Time	Received By:	Date/Time

* Shaded Areas for Lab use only.

** Please see reverse side for Bottle Group information.

last revised October 1, 2003

FDEP Biology Laboratory - Acute Definitive Bioassay Bench Sheets

Facility: Coca-Cola North America

Address: 427 San Christopher Drive

City: Dunedin **County:** Pinallas

Contact/District: Pete Wenner / Southwest

NPDES Permit #: FL 0000477

LIMS Job #: 2008-06-24-04 / 2008-06-26-01

LIMS Sample #: 1109968 / 1110552

Lims Data Entry: 7-1-08 ML

Data Entry Verification: 7-1-08 BP

Sample Collection: Date: 6-23-08 — 6-24-08 — 6-25-08 Time: 1030

Hold Time Start: Date: 6-23-08 Time: 1030

2nd Sample Collection: 6-25-08 — 0935

Hold Time start: 6-25-08 0935

Comments:
SAmple salinity adjusted to 30 parts per thousand Salinity by addition of sea salts* per NPDES Permit. Salt control prepared by diluting 20ppth ASW to ~ 1ppth salinity with DI water, then salting with artificial Sea Salts* to approximate the test salinity. MF 6-26-08

2nd Sample recorded on Bench Sheets, but data was only reported on 1st sample numbers. MF 7-1-08

* Forty Fathoms

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

Test Type: (Definitive) 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_03

Control survival ≥90%: (Yes) No

Temperature Range ≤3°C: (Yes) No

Test 2 validation: **Test 2:** SOP TA 07_04

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: ~1 Final Salinity: ~30 (Salts) Hypersaline brine

Salinity adjusted (Test 2): (yes) no Initial Salinity: ~1 Final Salinity: ~30 (Salts) Hypersaline brine

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

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)

Incubated in Incubator #2

Light Intensity : 50 - 100 ft. candles

Photoperiod : 16 light 8 dark

Temperature Range °C:

Incubator # 2 min. 25.6 max. 26.6 mean 26.1

Incubator # ___ min. ___ max. ___ mean ___

Room B246 min. 23.3 max. 25.6 mean 24.6

Test 1 LC50 _____ Test 2 LC50 _____

Investigators' Signatures

James Danish

Brian Arch

Marshall Faircloth

Loretta C. Wolfe

REVIEWER

Water Quality Parameters	MF Salinity Adjust 20ppt DMW sample	Moderately Hard Water/ Well Water	Salt Water (ASW) NSW Test 1	Salt Water (ASW) NSW Test 2	Other: 2nd Sample 1110552	Original Sample 1109968	Method	Measured by	Verified by
Field Total Residual Cl_2 (mg/L):	N/A	N/A	N/A	N/A	NOT measured			—	MF
Lab Total Residual Cl_2 (mg/L):	<0.03		<0.03	<0.03	<0.03	<0.03	HACH	JD	BA
Alkalinity (mg/L as $CaCO_3$):	766		220	220	692	695	HACH	BA	MF
Hardness (mg/L as $CaCO_3$):	—		—	—	112	117	HACH	BA	MF
Total Ammonia (mg/L as N):	<0.051		<0.051	<0.051	<0.017	<0.017	DENVER	MF	BA
Salinity (ppth):	~30		~30	~30	~1	~1	~~YSI~~/ Mettler	JD	GA

V 1.4 9/12/05

Appendix B. (continued)

[redacted]

FDEP Biology Laboratory - Bioassay Survival Bench Sheet

LIMS Sample #: 1109968 1110552 Test #: 12 Test Started: Date 6-24-08 Time: 1415

Organism: Atlantic SOP #: TA 07_03 Test Ended: Date 6-28-08 Time: 11:30

Organism Batch: 6-24-08 Diluent/ Batch: ASW 32ppt / 6.23.08

Organism Age: 5 days Food: YCT *P. subcapitata* *Artemia*

Chamber Size: 1000 mL Batch: — — Lot 38438 Batch, 108-08; 109-08 110-08; 111-08

Test Volume: 500 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
Ctrl	A	Tox 1	5	5	5	5	5	5
	B	Tox 2	5	5	5	5	5	5
	C	Tox 3	5	5	5	5	5	5
	D	Tox 4	5	5	5	5	5	5
6.25	A	Tox 5	5	5	5	5	5	5
	B	Tox 6	5	5	5	5	5	5
	C	Tox 7	5	5	5	5	5	5
	D	Tox 8	5	5	5	5	5	5
12.5	A	Tox 9	5	5	5	5	5	5
	B	Tox 10	5	5	5	5	5	5
	C	Tox 11	5	5	5	5	5	5
	D	Tox 12	5	5	5	5	5	5
25	A	Tox 13	5	5	5	5	5	5
	B	Tox 14	5	5	5	5	5	5
	C	Tox 15	5	5	5	5	5	5
	D	Tox 16	5	5	5	5	5	5
50	A	Tox 17	5	5	5	5	5	5
	B	Tox 18	5	5	5	5	5	5
	C	Tox 19	5	5	5	5	5	5
	D	Tox 20	5	5	5	5	5	5
100	A	Tox 21	5	5	5	5	5	5
	B	Tox 22	5	5	5	5	5	5
	C	Tox 23	5	5	5	5	5	5
	D	Tox 24	5	5	5	5	5	5
S.H Ctrl	A	Tox 100	5	5	5	5	5	5
	B	Tox 101	5	5	5	5	5	5
	C	Tox 102	5	5	5	5	5	5
	D	Tox 103	5	5	5	5	5	5

Organisms loaded by: BA Checked by: JD JD JD JD JD

Loading Verified by: JD

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:

% mortality in 100% sample: 0

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).

Page 000009

Appendix B. (continued)

FDEP Biology Laboratory - Bioassay Survival Bench Sheet

LIMS Sample #: 1109968 1110552 Test #: 2/2 Test Started: Date 6-24-08 Time: 1345
Organism: Mysidopsis Bahia SOP #: TA 07_04 Test Ended: Date 6-28-08 Time: 1130
Organism Batch: 6.24.08 Diluent/ Batch: AS ~30‰ / 6.23.08
Organism Age: 11 days Food: YCT P. subcapitata Artemia
Chamber Size: 1600 mL Batch: — — lot 38438 Batch 108-08; 110-08
Test Volume: 500 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
Ctrl	A	H1	10	10	10	10	10	10
	B	H2	10	10	10	10	10	10
6.25%	A	H3	10	10	10	10	10	10
	B	H4	10	9 D	9	9	9	9
12.5%	A	H5	10	10	10	10	10	10
	B	H6	10	9 D	9	9	9	9
25%	A	H7	10	10	10	10	10	10
	B	H8	10	10	10	10	10	10
50%	A	H9	10	10	10	10	10	10
	B	H10	10	10	10	10	10	10
100%	A	H11	10	10	10	10	10	D 10 9 D
	B	H12	10	9 D	9	9	9	9
Salt Ctrl	A	H13	10	10	10	10	10	10 9 D
	B	H14	10	10	10	10	10	10 9 D
Organisms loaded by: BK		Checked by:	D	D	D	D	D	D
Loading Verified by: D								

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:
% mortality in 100% sample: ~~0%~~ 10% BK 7-1-08
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).

Page 000010

FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

LIMS Sample # : 1109968 / 1110552 Test #: 1 of 1

TEST SOP #: TA07_ 03 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	C	D	A
pH (S.U.)	8.4	8.2	7.9	8.3	8.0	8.0
Temperature °C	24.0	24.3	24.3	24.0	24.0	24.0
Dissolved Oxygen mg/L	6.3	5.3	4.1	6.2	5.2	4.7
Conductivity µmhos (mmhos)	45.1	45.9	45.6	44.6	45.1	47.2
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration 6.25%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.4	8.2	8.0	8.2	8.1	8.0
Temperature °C	24.1	24.0	24.4	24.0	24.0	24.2
Dissolved Oxygen mg/L	6.3	4.9	4.0	6.0	5.2	4.5
Conductivity µmhos (mmhos)	45.6	46.5	46.1	45.2	45.5	47.5
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration 12.5%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.4	8.3	8.1	8.2	8.0	8.1
Temperature °C	24.1	24.2	24.0	24.0	24.1	24.1
Dissolved Oxygen mg/L	6.4	5.0	4.3	6.1	5.1	4.3
Conductivity µmhos (mmhos)	45.7	46.4	47.9	45.8	45.5	47.3
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration 25%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.3	8.3	8.2	8.2	8.0	8.2
Temperature °C	24.1	24.2	24.1	24.0	24.2	24.2
Dissolved Oxygen mg/L	6.5	5.0	4.5	6.1	5.0	4.1
Conductivity µmhos (mmhos)	45.8	46.8	47.1	45.6	45.6	47.5
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

V 2.0 2/24/04

FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

LIMS Sample # : 1109968 - 1110552 **Test #:** 1 of 1

TEST SOP #: TA07_ 03 **Test Species:** *Ceriodaphnia dubia* *Cyprinella leedsi* *Pimephales promelas* (*Americamysis bahia*) *Menidia beryllina* Other:_____

Concentration 50%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.3	8.3	8.3	8.2	8.0	8.3
Temperature °C	24.1	24.3	24.2	24.0	24.3	24.2
Dissolved Oxygen mg/L	6.5	4.3	4.5	6.3	5.3	4.1 3.7
Conductivity µmhos (mmhos)	45.9	46.6	46.7	45.7	45.9	47.5
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	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	C	D	A
pH (S.U.)	8.3	8.3	8.3	8.1	8.0	8.3
Temperature °C	24.2	24.4	24.1	24.1	24.0	24.1
Dissolved Oxygen mg/L	6.7	4.2	4.5	6.8	5.3	4.3
Conductivity µmhos (mmhos)	46.5	47.2	47.0	46.6	46.7	48.7
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration SW ctl	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.3	8.1	7.9	8.2	8.1	8.0
Temperature °C	24.0	24.2	24.1	24.0	24.0	24.1
Dissolved Oxygen mg/L	6.3	5.0	4.1	6.1	5.1	4.0
Conductivity µmhos (mmhos)	45.0	46.1	46.8	44.8	44.8	46.7
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	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:

FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

LIMS Sample # : 1109968 1110552 Test #: 2 of 2

TEST SOP #: TA07_ 04 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	A	A	B	A
pH (S.U.)	8.4	8.3	8.2	8.3	8.2	8.2
Temperature °C	24.0	24.1	24.2	24.0	24.0	24.0
Dissolved Oxygen mg/L	6.3	5.6	6.0	6.5	5.8	5.8
Conductivity µmhos (mmhos)	45.5	46.2	46.4	45.6	45.5	48.0
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration 6.25%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.4	8.3	8.3	8.3	8.2	8.2
Temperature °C	24.2	24.2	24.6	24.1	24.0	24.3
Dissolved Oxygen mg/L	6.4	5.5	5.9	6.2	5.6	5.6
Conductivity µmhos (mmhos)	45.7	46.3	46.7	45.5	45.2	47.1
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration 12.5%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.4	8.3	8.3	8.3	8.3	8.3
Temperature °C	24.2	24.4	24.5	24.0	24.0	24.3
Dissolved Oxygen mg/L	6.4	5.5	5.8	6.2	5.4	5.7
Conductivity µmhos (mmhos)	45.8	46.4	46.8	45.8	45.8	47.2
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration 25%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.3	8.3	8.3	8.2	8.3	8.3
Temperature °C	24.2	24.2	24.4	24.0	24.0	24.4
Dissolved Oxygen mg/L	6.3	5.5	5.8	6.3	5.5	5.7
Conductivity µmhos (mmhos)	45.9	46.3	47.0	46.0	45.6	47.1
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

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

TEST SOP #: TA07_ 04 **Test Species:** *Ceriodaphnia dubia* *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* (*Menidia beryllina*) Other:_____

Concentration 50%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.3	8.3	8.2	8.2	8.3	8.3
Temperature °C	24.2	24.2	24.5	24.0	24.0	24.3
Dissolved Oxygen mg/L	6.4	5.4	5.9	6.4	5.4	5.6
Conductivity µmhos (mmhos)	45.9	46.6	46.8	46.0	46.3	47.3
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	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	A	A	B	A
pH (S.U.)	8.3	8.3	8.2	8.1	8.2	8.3
Temperature °C	24.3	24.3	24.4	24.2	24.1	24.4
Dissolved Oxygen mg/L	6.5	5.5	6.1	6.4	5.4	5.6
Conductivity µmhos (mmhos)	46.5	47.1	47.6	46.8	46.9	47.7
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	JD	JD	JD

Comments:

Concentration Salt ctrl	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.3	8.2	8.2	8.3	8.2	8.2
Temperature °C	24.0	24.1	24.3	24.0	24.2	24.4
Dissolved Oxygen mg/L	6.4	5.5	6.0	6.3	5.5	5.7
Conductivity µmhos (mmhos)	45.1	45.8	46.3	45.4	45.4	47.7
(initials) Measured by:	JD	JD	JD	JD	JD	JD
(initials) Recorded by:	JD	JD	JD	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:

V 2.0 2/24/04

Appendix C. SRT Bench Sheets and Statistical Analysis

Florida Department of Environmental Protection
Bureau of Laboratories

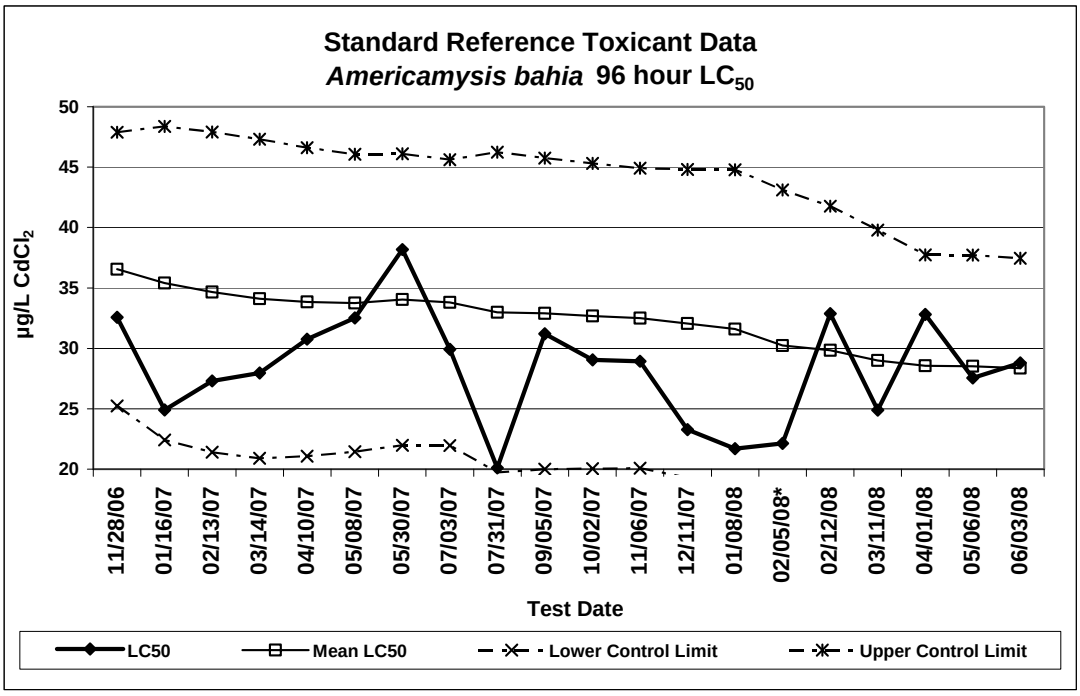
Standard Reference Toxicant (SRT) Test Data - 96-hour Acute Toxicity
Americamysis bahia (mysid shrimp) - Cadmium Chloride ($CdCl_2$)

Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
11/28/06	32.57	36.56	5.66	25.24	47.89
01/16/07	24.91	35.40	6.49	22.42	48.37
02/13/07	27.31	34.66	6.62	21.41	47.90
03/14/07	27.97	34.10	6.60	20.90	47.31
04/10/07	30.77	33.85	6.39	21.07	46.62
05/08/07	32.52	33.75	6.15	21.46	46.05
05/30/07	38.18	34.05	6.03	21.98	46.11
07/03/07	29.92	33.79	5.92	21.95	45.63
07/31/07	20.10	32.98	6.62	19.74	46.23
09/05/07	31.20	32.89	6.44	20.01	45.76
10/02/07	29.04	32.68	6.32	20.04	45.32
11/06/07	28.93	32.50	6.21	20.08	44.91
12/11/07	23.28	32.06	6.38	19.30	44.81
01/08/08	21.69	31.59	6.60	18.38	44.79
02/05/08*	22.13	30.23	6.44	17.35	43.12
02/12/08	32.87	29.83	5.96	17.90	41.76
03/11/08	24.89	29.00	5.39	18.22	39.78
04/01/08	32.81	28.56	4.60	19.36	37.75
05/06/08	27.55	28.52	4.60	19.31	37.72
06/03/08	28.81	28.37	4.54	19.29	37.46

CV = 16.01

Lower Confidence Limit = mean - 2 * Std Dev
Upper Confidence Limit = mean + 2 * Std Dev

EPA reference 75th quartile CV = 26%



*Forty-eight hour results exceeded control limits. Follow up tests performed on 2/12/08 were carried out to 96-hours.

Appendix C. (continued)

Florida Department of Environmental Protection
Bureau of Laboratories

Standard Reference Toxicant (SRT) Test Data - 96-hour Acute Toxicity
Menidia beryllina (inland silverside) - Copper Chloride ($CuCl_2$)

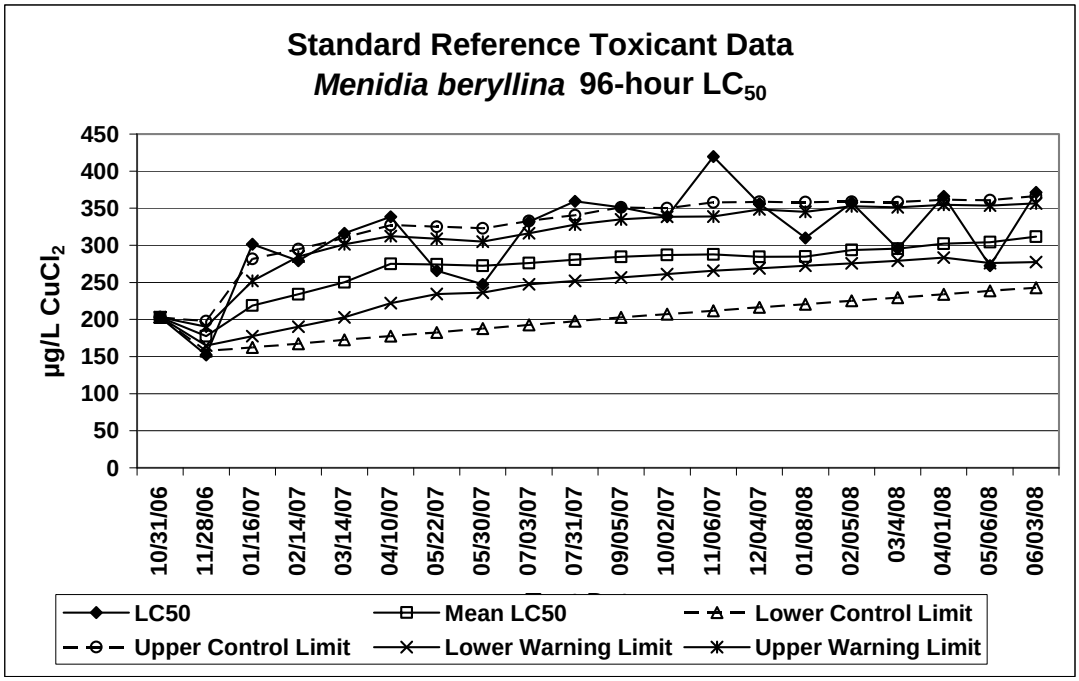
Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
10/31/06	202.88	202.88	87.08	28.72	377.04
11/28/06	152.17	177.53	35.86	105.81	249.24
01/16/07	301.29	218.78	75.82	67.14	370.42
02/14/07	279.18	233.88	68.88	96.12	371.64
03/14/07	316.16	250.34	70.09	110.16	390.51
04/10/07	338.35	274.77	72.26	130.26	419.28
05/22/07	265.69	274.17	65.96	142.25	406.09
05/30/07	247.36	272.49	61.39	149.71	395.27
07/03/07	331.66	275.97	73.41	129.15	422.80
07/31/07	359.44	280.61	73.89	132.83	428.39
09/05/07	351.35	284.33	73.62	137.10	431.57
10/02/07	338.91	287.06	72.69	141.69	432.44
11/06/07	419.55	287.50	73.50	140.50	434.51
12/04/07	356.02	284.51	69.07	146.36	422.65
01/08/08	309.80	284.71	69.14	146.43	423.00
02/05/08	357.47	293.49	66.51	160.48	426.50
03/4/08	295.52	295.53	65.88	163.77	427.28
04/01/08	365.9	302.28	64.49	174.29	432.27
05/06/08	272.5	304.29	63.81	176.66	431.91
06/03/08	371.38	311.63	62.59	186.45	436.80

Organism supplier changed July 7, 2006

CV = 20.08

EPA reference 75th quartile CV = 21%

Upper warning and control limits are the 75th and 90th percentiles, respectively, of the LC50s.
Lower warning and control limits are the 25th and 10th percentiles, respectively, of the LC50s.



Appendix C. (continued)

000023

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 #: ASW / 5.1408
Toxicant/ Batch#: CuCl2 / 6.1.08

Test Beginning: Date: 6.3.08 Time: 1410
Test Ending: Date: 6.7.08 Time: 1210

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	4403	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	226	Hach	BA
Hardness (mg.L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	40034	Denver	MF
Salinity (ppth):	20	Mettler	JD

Organism Batch #/ Age: 6.3.08 / 5d 0.5
Feeding: (Prior to test) / (Prior to renewal) (Daily)
Food: YCT ✓ *P.subcapitata* —
Food Batch: _____ _____
Artemia: Lot # 38438
0hr 9.08 24hr 9.08 48hr 9.08 72hr 9.08
Chamber size: 350 mL
Test volume: 250 mL per replicate

Conc. g/L (µg/L or 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 µmhos/cm mmhos/cm (0 hr) 48 hr	(24 hr) 72 hr	(48 hr) 96 hr
Control	A	tox1	5	5	5	8.4			24.0		24.0	7.3		5.0	32.5		32.2
	B	tox2	5	5	5		8.1			24.0			4.6			32.3	
	C	tox3	5	5	5			8.0			24.1						33.2
	D	tox4	5	4D	4												
20	A	tox5	5	5	5	8.4			24.0			6.2		5.0	32.8		
	B	tox6	5	4	4		8.1			24.0			4.5			32.9	
	C	tox7	5	4D	4			8.0			24.0						33.5
	D	tox8	5	5	5												
30	A	tox9	5	5	5	8.4			24.0			7.1		4.1	32.9		
	B	tox10	5	5	5		8.2			24.0			4.6			33.0	
	C	tox11	5	5	4D			7.9			24.1						33.6
	D	tox12	5	4D	4												
45	A	tox13	5	2D	1D	8.4			24.0			7.3		4.0	32.8		
	B	tox14	5	5	5		8.0			24.1			4.5			33.1	
	C	tox15	5	5	4D			7.9			24.0						33.6
	D	tox16	5	5	4D												
67	A	tox17	5	3D	1D	8.4			24.0			7.3		4.9	32.3		
	B	tox18	5	4D	3D		8.0			24.0			4.4			32.3	
	C	tox19	5	3D	3			8.0			24.1						33.2
	D	tox20	5	2D	1D												
100	A	tox21	5	0D	—	8.4			24.0			7.3		5.1	32.9		
	B	tox22	5	2D	0D		8.1			24.2			4.4			33.1	
	C	tox23	5	2D	0D			8.0			24.0						33.4
	D	tox24	5	0D	—												
	A																
	B																
	C																
	D																
Loaded / measured by:			MF	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
Recorded by:			JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD

Investigators' Signatures
James Beach
Bruce Nelson
Marshall Faircloth
Loretta C Wolfe
REVIEWER

Concentrations prepared by: JD
Loading verified by: JD
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min. 23.3 max 25.6 mean 24.7
Incubator # ___ min. ___ max. ___ mean ___
Room B248 min. 25.3 max. 26.8 mean 26.3

Comments:

Statistics: Method: Spearman-Karber
48/ 96 hour LC_{50}: 58.28
95% Confidence Interval: lower 50.98 upper 66.62

Appendix C. (continued)

000024

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 1 5,1408
Toxicant/ Batch#: KCl 1 6,1.08

Test Beginning: Date: 6,3.08 Time: 1410
Test Ending: Date: 6-7-08 Time: 1210

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	0.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	226	Hach	BA
Hardness (mg.L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	0.034	Denver	MF
Salinity (ppth):	20	Mettler	JD

Organism Batch #/ Age: 6,3.08 1 5 day s
Feeding: (Prior to test) Prior to renewal / (Daily)
Food: YCT P.subcapitata Artemia: Lot # 38438
Food Batch: — — 0hr 6.08 24hr 6/7-08 48hr 72-08 72hr 73-08
Chamber size: 350 mL
Test volume: 250 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 µmhos/cm (mmhos/cm) 0 hr	24 hr	48 hr
			(0 hr)	(24 hr)	(96 hr)	(0 hr)	(24 hr)	(96 hr)	(0 hr)	(24 hr)	(96 hr)	(0 hr)	(24 hr)	(96 hr)	(0 hr)	(24 hr)	(96 hr)
Control	A	tox1	5	5	5			8.0			24.9			4.7			34.2
	B	tox2	5	5	5												
	C	tox3	5	5	5	8.3			24.0			6.4			326		
	D	tox4	4	4	4		8.0			24.1			4.5			32.8	
20	A	tox5	5	5	2 3D			7.9			25.0			4.4			34.3
	B	tox6	4	4	2 2D												
	C	tox7	4	4	3 1D	8.3			24.0			6.4			33.0		
	D	tox8	5	5	5		8.1			24.2			4.5			32.4	
30	A	tox9	5	5	2 3D			7.9			24.9			4.3			34.4
	B	tox10	5	3 2D	3												
	C	tox11	4	4	2	8.3			24.0			6.4			32.4		
	D	tox12	4	4	3		8.0			24.3			4.3			32.8	
45	A	tox13	1	1	0 1D			7.9			24.9			4.7			34.4
	B	tox14	5	1 4D	0 1D												
	C	tox15	4	2 2D	0 2D	8.3			24.0			6.4			32.8		
	D	tox16	4	1 3D	1		8.1			24.2			4.8			32.8	
67	A	tox17	1	0 1D													
	B	tox18	3	0 3D													
	C	tox19	3	0 3D		8.3			24.0	25 3D		6.5			32.4		
	D	tox20	1	0 1D			8.1			24.2			5.0			32.3	
100	A	tox21															
	B	tox22															
	C	tox23															
	D	tox24															
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF
Recorded by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF

Investigators' Signatures
Bace
Marshall Fairbanks
James Daniels
Loretta C. Wolfe
REVIEWER

Concentrations prepared by: JD
Loading verified by: JD
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 0 min 23.8 max 25.6 mean 24.7
Incubator # ___ min. ___ max ___ mean ___
Room B246 min 25.8 max 26.8 mean 26.3

Comments:

Statistics: Method: Spearman-Karber
48 / (96) hour LC_{50}: 28.81
95% Confidence Interval: lower 21.02 upper 34.48

Appendix C. (continued)

000021

FDEP Biology Laboratory - Acute SRT Bench Sheet

Test Organism: *Americamysis bahia* Method 2007.0 / (*Menidia beryllina* Method 2008.0) / *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 #: ASW 1.5.19.08
Toxicant/ Batch#: CuSO4 1.6.2.08

Test Beginning: Date: 6.3.08 Time: 1420
Test Ending: Date: 6.7.08 Time: 1240

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	226	Hach	BA
Hardness (mg/L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	<0.034	Denver	MF
Salinity (ppth):	20	Mettler	JD

Organism Batch #/ Age: 6.3.08 1 13 days
Feeding: (Prior to test) (Prior to renewal) / Daily
Food: YCT *P.subcapitata* Artemia: Lot # 38438
Food Batch: _____ _____ 0hr 9:30-08 24hr ____ 48hr 9:30-08 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 µmhos/cm (mmhos/cm) 0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr
Control	A	H1	10	10	10	8.4		8.2	24.0		24.1	6.8		5.8	32.1		32.9
	B	H2	10	10	10		8.2			24.4			5.3			32.5	
	C																
	D																
100	A	H3	10	8 29	8	8.4		8.2	24.0		24.3	7.4		5.8	32.5		33.1
	B	H4	10	10	10		8.2			24.4			5.3			32.7	
	C																
	D																
200	A	H5	10	9 19	9	8.4		8.2	24.0		24.3	7.5		5.8	32.5		33.2
	B	H6	10	10	10		8.2			24.4			5.4			32.9	
	C																
	D																
300	A	H7	10	7 32	7	8.4		8.2	24.0		24.2	7.5		5.8	32.7		33.1
	B	H8	10	6 49	6		8.2			24.3			5.3			32.8	
	C																
	D																
400	A	H9	10	8 29	6 25	8.4		8.2	24.0		24.4	7.5		5.9	32.3		33.3
	B	H10	10	9 10	8 19		8.2			24.4			5.3			32.9	
	C																
	D																
500	A	H11	10	4 03	0 49	8.4		8.2	24.0		24.3	7.5		6.1	32.8		33.2
	B	H12	10	2 30	1 10		8.2			24.4			5.2			32.7	
	C																
	D																
	A																
	B																
	C																
	D																
Loaded / measured by:			MF	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
Recorded by:			JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD

Investigators' Signatures
Jaspen Daniels
Brent Aleck
Marshall Faircloth
Loretta C Wolfe
REVIEWER

Concentrations prepared by: JD
Loading verified by: JD
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min. 23.8 max. 25.0 mean 24.7
Incubator # ___ min. ___ max. ___ mean ___
Room B246 min. 25.8 max. 26.8 mean 26.3

Comments:

Statistics: Method: Spearman-Karber
48 / 96 hour LC_{50}: 373.47
95% Confidence Interval: lower 334.45 upper 417.04

Appendix C. (continued)

000022

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 15:1908
Toxicant/ Batch#: CuCl2 102408

Test Beginning: Date: 6.3.08 Time: 1420
Test Ending: Date: 6-7-08 Time: 1250

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	2.05	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	226	Hach	BA
Hardness (mg.L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	0.034	Denver	MF
Salinity (ppth):	20	Mettler	JD

Organism Batch #/ Age: 6.3.08 / 13 days
Feeding: (Prior to test) / Prior to renewal / Daily
Food: YCT *P.subcapitata* Artemia: Lot # 38438
Food Batch: — — 0hr 90.08 24hr 48hr 92.08 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 µmhos/cm (mmhos/cm) 0 hr (48 hr)	24 hr (72 hr)	48 hr (96 hr)
Control	A	H1	10	10	10	8.3		8.1	24.0		24.9	6.3		5.9	32.4		32.8
	B	H2	10	10	10		8.2			24.0			5.7			32.6	
	C					8.3											
	D																
100	A	H3	8	8	8	8.4		8.2	24.0		25.1	6.4		5.8	32.2		33.3
	B	H4	10	10	10		8.2			24.3			5.6			32.4	
	C																
	D																
200	A	H5	9	9	9	8.4		8.2	24.0		25.1	6.5		5.9	32.8		33.4
	B	H6	10	10	10		8.2			24.3			5.7			32.6	
	C																
	D																
300	A	H7	7	7	7	8.3		8.2	24.0		25.2	6.5		5.8	32.8		33.4
	B	H8	6	6	6		8.2			24.2			5.5			32.7	
	C																
	D																
400	A	H9	6	6	6	8.3		8.2	24.0		25.3	6.6		5.7	32.8		33.5
	B	H10	8	8	8		8.3			24.2			5.7			32.7	
	C																
	D																
500	A	H11	—	—		8.4			24.0			6.6		5.8 MF	32.7		
	B	H12	1	1	0 10		8.3	8.2		24.0	25.3		6.0	5.8		32.6	33.6
	C																
	D																
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF
Recorded by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF

Investigators' Signatures
Brian Allen
Marshall Faircloth
James Daniel
Rhetta C. Wolfe
REVIEWER

Concentrations prepared by: JD
Loading verified by: JD
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min. 23.8 max. 25.6 mean 24.7
Incubator # — min. — max. — mean —
Room B248 min. 25.8 max. 26.4 mean 26.3

Comments:

Statistics: Method: Spearman-Karber
48 / 96 hour LC_{50}: 371.38
95% Confidence Interval: lower 332.84 upper 414.38

Appendix C. (continued)

***Americamysis bahia* Acute Standard Reference Toxicant Test**

DATE: 6-3-08 DURATION: 96 h TOXICANT: CdCl2
SPECIES: *Americamysis bahia*

RAW DATA: Concentration (µg/L)	Number Exposed	Mortalities
.00	20	1
20.00	20	8
30.00	20	10
45.00	20	19
67.00	20	20
100.00	20	20

SPEARMAN-KARBER TRIM: 36.84%

SPEARMAN-KARBER ESTIMATES: LC50: 28.81
95% LOWER CONFIDENCE: 21.02
95% UPPER CONFIDENCE: 39.48

***Menidia beryllina* Acute Standard Reference Toxicant Test**

DATE: 6-3-08 DURATION: 96 hr TOXICANT: CuCl2
SPECIES: *Menidia beryllina*

RAW DATA: Concentration (µg/L)	Number Exposed	Mortalities
.00	20	0
100.00	20	2
200.00	20	1
300.00	20	7
400.00	20	6
500.00	20	20

SPEARMAN-KARBER TRIM: 7.50%

SPEARMAN-KARBER ESTIMATES: LC50: 371.38
95% LOWER CONFIDENCE: 332.84
95% UPPER CONFIDENCE: 414.38

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: 06/02/08

Shipped to: FDEP

P.O. No: _____

Species	Quantity	Age	Brood Number	Temperature	Salinity
Mysidopsis bahia	150	4 days	MS080530	27°C	15ppt
Menidia beryllina	150	12 day	SS080522	27°C	20ppt
Cyprinella leedsi	250	11 days	CL080523	27°C	
Pimephales promelas	150	9 days	FM080525-bb	27°C	

Packed by: MP

Shipped Via: Fed ex

Notes: _____

Thank you for your order.

Appendix D. (continued)

MARINCO BIOASSAY LABORATORY
The Aquatic Toxicology Specialists

NELAP Certification # E84191

Organism Shipment Record

State of Florida Aquaculture Certificate Number AQ0668007

Date: 6/23/08

Shipped to: FDEP

P.O. No: N/A

Species	Quantity	Age	Brood Number	Temp.	pH	Salinity
Mysidopsis bahia	150	4 DAYS	MS080619	25°C	8.1 s.u.	19 ‰
Menidia beryllina	150	10 days	SS080613	25°C	8.0 s.u	19 ‰
						Hardness
Cyprinella leedsi						
Pimephales promelas						

Packed by:

Shipped Via: Fed Ex

Notes:

Thank you for your order.

4569 Samuel Street · Sarasota, FL 34233 · Tel: 941-925-3594 · Fax: 941-922-3874 · Web: www.biologylab.com

Appendix E. Chemical Analyses performed on the effluent from the Coca-Cola North America Plant Outfall D-001, sampled on June 23, 2008.

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 10:30	Effluent	AGP/LN	Algal Growth Potential-Salinity Adjusted	3	U	mg DryWt/L	3	3
6/23/2008 10:30	Effluent	AGP/LN	Algal Growth Potential	9.2		mg DryWt/L	0.3	0.9
6/23/2008 10:30	Effluent	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.24	U	ug/L	0.24	0.71
6/23/2008 10:30	Effluent	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	0.55	U	ug/L	0.55	1.7
6/23/2008 10:30	Effluent	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	0.61	I	mg/L	0.2	2
6/23/2008 10:30	Effluent	Overflow	Fecal Coliforms-Membrane Filter	100	Z	#/100 mL	1	
6/23/2008 10:30	Effluent	Toxicology	Bioassay-Acute-Def-SW-Mysid, LC50	100	L	LC50		
6/23/2008 10:30	Effluent	Toxicology	Bioassay-Acute-Def-SW-Fish, LC50	100	L	LC50		
6/23/2008 10:30	Effluent	Metals	Arsenic	2.1		ug/L	0.5	2
6/23/2008 10:30	Effluent	Metals	Zinc	6.9	I	ug/L	5	20
6/23/2008 10:30	Effluent	Metals	Nickel	0.9	I	ug/L	0.25	1
6/23/2008 10:30	Effluent	Metals	Magnesium	6		mg/L	0.04	0.16
6/23/2008 10:30	Effluent	Metals	Iron	30	U	ug/L	30	120
6/23/2008 10:30	Effluent	Metals	Aluminum	680		ug/L	60	240
6/23/2008 10:30	Effluent	Metals	Calcium	35.7		mg/L	0.075	0.3
6/23/2008 10:30	Effluent	Metals	Antimony	0.5	U	ug/L	0.5	2
6/23/2008 10:30	Effluent	Metals	Silver	0.025	U	ug/L	0.025	0.1
6/23/2008 10:30	Effluent	Metals	Chromium	1	U	ug/L	1	4
6/23/2008 10:30	Effluent	Metals	Beryllium	0.025	U	ug/L	0.025	0.1
6/23/2008 10:30	Effluent	Metals	Selenium	0.5	U	ug/L	0.5	2
6/23/2008 10:30	Effluent	Metals	Lead	0.2	U	ug/L	0.2	0.8
6/23/2008 10:30	Effluent	Metals	Copper	0.5	U	ug/L	0.5	2
6/23/2008 10:30	Effluent	Metals	Cadmium	0.1	U	ug/L	0.1	0.4
6/23/2008 10:30	Effluent	Nutrients	Ammonia-N	0.05	U	mg N/L	0.05	0.1
6/23/2008 10:30	Effluent	Nutrients	Total-P	0.25		mg P/L	0.02	0.06
6/23/2008 10:30	Effluent	Nutrients	NO2NO3-N	0.05		mg N/L	0.004	0.01
6/23/2008 10:30	Effluent	Nutrients	TSS	4	U	mg/L	4	16
6/23/2008 10:30	Effluent	Nutrients	Kjeldahl Nitrogen	1.2		mg N/L	0.08	0.2
6/23/2008 10:30	Effluent	Nutrients	O-Phosphate-P	0.16		mg P/L	0.008	0.02
6/23/2008 10:30	Effluent	Overflow	Radium 226-Counting Error	0.1		pCi/L		
6/23/2008 10:30	Effluent	Overflow	Alpha-Counting Error	2.3		pCi/L		
6/23/2008 10:30	Effluent	Overflow	Alpha, Total	3.7	U	pCi/L		
6/23/2008 10:30	Effluent	Overflow	Radium 228-Counting Error	0.5		pCi/L		

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 10:30	Effluent	Overflow	Radium 228	0.8	U	pCi/L		
6/23/2008 10:30	Effluent	Overflow	Radium 226	0.3		pCi/L		
6/23/2008 10:30	Effluent	Pesticides	Chlorpyrifos Methyl	0.1	U	ug/L	0.1	0.4
6/23/2008 10:30	Effluent	Pesticides	Malathion	0.15	U	ug/L	0.15	0.6
6/23/2008 10:30	Effluent	Pesticides	Naled	0.81	U	ug/L	0.81	3.2
6/23/2008 10:30	Effluent	Pesticides	Chlorpyrifos Ethyl	0.051	U	ug/L	0.051	0.2
6/23/2008 10:30	Effluent	Pesticides	Fenamiphos	0.2	U	ug/L	0.2	0.8
6/23/2008 10:30	Effluent	Pesticides	Fonofos	0.1	U	ug/L	0.1	0.4
6/23/2008 10:30	Effluent	Pesticides	Phorate	0.051	U	ug/L	0.051	0.2
6/23/2008 10:30	Effluent	Pesticides	Mevinphos	0.2	U	ug/L	0.2	0.8
6/23/2008 10:30	Effluent	Pesticides	Parathion Methyl	0.1	U	ug/L	0.1	0.4
6/23/2008 10:30	Effluent	Pesticides	Simazine	0.051	U	ug/L	0.051	0.2
6/23/2008 10:30	Effluent	Pesticides	Alachlor	0.61	U	ug/L	0.61	2.4
6/23/2008 10:30	Effluent	Pesticides	Ametryn	0.051	U	ug/L	0.051	0.2
6/23/2008 10:30	Effluent	Pesticides	Azinphos Methyl	0.2	UJ	ug/L	0.2	0.8
6/23/2008 10:30	Effluent	Pesticides	Ethoprop	0.1	U	ug/L	0.1	0.4
6/23/2008 10:30	Effluent	Pesticides	Metolachlor	0.51	U	ug/L	0.51	2
6/23/2008 10:30	Effluent	Pesticides	Ethion	0.051	U	ug/L	0.051	0.2
6/23/2008 10:30	Effluent	Pesticides	Hexazinone	0.1	U	ug/L	0.1	0.4
6/23/2008 10:30	Effluent	Pesticides	Metalaxyl	0.25	U	ug/L	0.25	1
6/23/2008 10:30	Effluent	Pesticides	Metribuzin	0.1	U	ug/L	0.1	0.4
6/23/2008 10:30	Effluent	Pesticides	Norflurazon	0.15	U	ug/L	0.15	0.6
6/23/2008 10:30	Effluent	Pesticides	Butylate	0.2	U	ug/L	0.2	0.8
6/23/2008 10:30	Effluent	Pesticides	Prometryn	0.15	U	ug/L	0.15	0.6
6/23/2008 10:30	Effluent	Pesticides	Atrazine	0.051	U	ug/L	0.051	0.2
6/23/2008 10:30	Effluent	Pesticides	Parathion Ethyl	0.15	U	ug/L	0.15	0.6
6/23/2008 10:30	Effluent	Pesticides	Bromacil	0.2	U	ug/L	0.2	0.8
6/23/2008 10:30	Effluent	Pesticides	Diazinon	0.051	U	ug/L	0.051	0.2
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Hexachlorocyclopentadiene	2.9	U	ug/L	2.9	12
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Hexachloroethane	2.9	U	ug/L	2.9	12
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Naphthalene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	alpha-BHC	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2,4-Dimethylphenol	9.6	U	ug/L	9.6	38

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 10:30	Effluent	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Diethyl phthalate	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9	U	ug/L	1.9	7.7
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2,4-Dinitrophenol	14	U	ug/L	14	58
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2,6-Dinitrotoluene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	4,4'-DDD	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	4-Nitrophenol	14	U	ug/L	14	58
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Anthracene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Benzo(b)fluoranthene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Butyl benzyl phthalate	4.8	U	ug/L	4.8	19
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Endrin aldehyde	3.8	UJ	ug/L	3.8	15
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Fluoranthene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Heptachlor epoxide	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	1.9	U	ug/L	1.9	7.7
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2-Chlorophenol	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9	U	ug/L	2.9	12
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2-Nitrophenol	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	3,3'-Dichlorobenzidine	38	U	ug/L	38	150
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Benzo(k)fluoranthene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	2.9	U	ug/L	2.9	12
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	14	U	ug/L	14	58
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Di-n-butyl phthalate	4.8	U	ug/L	4.8	19
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Fluorene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Pyrene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	delta-BHC	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2,4-Dinitrotoluene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Chrysene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Heptachlor	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Hexachlorobenzene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Isophorone	0.96	U	ug/L	0.96	3.8

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Nitrobenzene	1.9	U	ug/L	1.9	7.7
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Phenanthrene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	beta-BHC	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Di-n-octyl phthalate	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Endrin	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2-Chloronaphthalene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	4,4'-DDT	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Acenaphthene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Aldrin	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Dieldrin	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Dimethyl phthalate	9.6	U	ug/L	9.6	38
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Endosulfan I	3.8	U	ug/L	3.8	15
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Endosulfan II	3.8	U	ug/L	3.8	15
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Endosulfan sulfate	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Pentachlorophenol	2.9	U	ug/L	2.9	12
6/23/2008 10:30	Effluent	Priority Organic Pollutants	gamma-BHC	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	2,4-Dichlorophenol	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Acenaphthylene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Benzidine	96	U	ug/L	96	380
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Benzo(a)anthracene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Benzo(a)pyrene	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Phenol	0.96	U	ug/L	0.96	3.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	4,4'-DDE	1.4	U	ug/L	1.4	5.8
6/23/2008 10:30	Effluent	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	1.9	U	ug/L	1.9	7.7
6/23/2008 10:30	Effluent	Priority Organic Pollutants	Hexachlorobutadiene	2.9	U	ug/L	2.9	12
6/23/2008 10:30	Effluent	Field Parameter	Temperature	26.82		C		
6/23/2008 10:30	Effluent	Field Parameter	Specific Conductance	1856		umhos/cm		
6/23/2008 10:30	Effluent	Field Parameter	pH	8.12				
6/23/2008 10:30	Effluent	Field Parameter	Dissolved Oxygen	7.52		mg/L		
6/23/2008 9:55	Blank	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	0.2	U	mg/L	0.2	2
6/23/2008 9:55	Blank	Metals	Silver	0.025	U	ug/L	0.025	0.1

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 9:55	Blank	Metals	Nickel	0.25	U	ug/L	0.25	1
6/23/2008 9:55	Blank	Metals	Calcium	0.075	U	mg/L	0.075	0.3
6/23/2008 9:55	Blank	Metals	Beryllium	0.025	U	ug/L	0.025	0.1
6/23/2008 9:55	Blank	Metals	Iron	30	U	ug/L	30	120
6/23/2008 9:55	Blank	Metals	Selenium	0.5	U	ug/L	0.5	2
6/23/2008 9:55	Blank	Metals	Arsenic	0.5	U	ug/L	0.5	2
6/23/2008 9:55	Blank	Metals	Antimony	0.5	U	ug/L	0.5	2
6/23/2008 9:55	Blank	Metals	Copper	0.5	U	ug/L	0.5	2
6/23/2008 9:55	Blank	Metals	Chromium	1	U	ug/L	1	4
6/23/2008 9:55	Blank	Metals	Cadmium	0.02	U	ug/L	0.02	0.08
6/23/2008 9:55	Blank	Metals	Zinc	5	U	ug/L	5	20
6/23/2008 9:55	Blank	Metals	Lead	0.2	U	ug/L	0.2	0.8
6/23/2008 9:55	Blank	Metals	Magnesium	0.04	U	mg/L	0.04	0.16
6/23/2008 9:55	Blank	Metals	Aluminum	60	U	ug/L	60	240
6/23/2008 9:55	Blank	Nutrients	Kjeldahl Nitrogen	0.08	U	mg N/L	0.08	0.2
6/23/2008 9:55	Blank	Nutrients	O-Phosphate-P	0.004	U	mg P/L	0.004	0.01
6/23/2008 9:55	Blank	Nutrients	NO2NO3-N	0.004	U	mg N/L	0.004	0.01
6/23/2008 9:55	Blank	Nutrients	Total-P	0.02	U	mg P/L	0.02	0.06
6/23/2008 9:55	Blank	Nutrients	Ammonia-N	0.01	U	mg N/L	0.01	0.02
6/23/2008 9:55	Blank	Overflow	Alpha, Total	0.5	U	pCi/L		
6/23/2008 9:55	Blank	Overflow	Radium 228	0.7	U	pCi/L		
6/23/2008 9:55	Blank	Overflow	Radium 226-Counting Error	0.1		pCi/L		
6/23/2008 9:55	Blank	Overflow	Radium 226	0.1		pCi/L		
6/23/2008 9:55	Blank	Overflow	Alpha-Counting Error	0.3		pCi/L		
6/23/2008 9:55	Blank	Overflow	Radium 228-Counting Error	0.4		pCi/L		
6/23/2008 9:55	Blank	Pesticides	Prometryn	0.15	U	ug/L	0.15	0.6
6/23/2008 9:55	Blank	Pesticides	Fenamiphos	0.2	U	ug/L	0.2	0.8
6/23/2008 9:55	Blank	Pesticides	Metalaxyl	0.25	U	ug/L	0.25	1
6/23/2008 9:55	Blank	Pesticides	Metribuzin	0.1	U	ug/L	0.1	0.4
6/23/2008 9:55	Blank	Pesticides	Butylate	0.2	U	ug/L	0.2	0.8
6/23/2008 9:55	Blank	Pesticides	Diazinon	0.05	U	ug/L	0.05	0.2
6/23/2008 9:55	Blank	Pesticides	Simazine	0.05	U	ug/L	0.05	0.2
6/23/2008 9:55	Blank	Pesticides	Fonofos	0.1	U	ug/L	0.1	0.4
6/23/2008 9:55	Blank	Pesticides	Naled	0.8	U	ug/L	0.8	3.2

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 9:55	Blank	Pesticides	Ethion	0.05	U	ug/L	0.05	0.2
6/23/2008 9:55	Blank	Pesticides	Bromacil	0.2	U	ug/L	0.2	0.8
6/23/2008 9:55	Blank	Pesticides	Chlorpyrifos Methyl	0.1	U	ug/L	0.1	0.4
6/23/2008 9:55	Blank	Pesticides	Atrazine	0.05	U	ug/L	0.05	0.2
6/23/2008 9:55	Blank	Pesticides	Parathion Methyl	0.1	U	ug/L	0.1	0.4
6/23/2008 9:55	Blank	Pesticides	Azinphos Methyl	0.2	UJ	ug/L	0.2	0.8
6/23/2008 9:55	Blank	Pesticides	Alachlor	0.6	U	ug/L	0.6	2.4
6/23/2008 9:55	Blank	Pesticides	Parathion Ethyl	0.15	U	ug/L	0.15	0.6
6/23/2008 9:55	Blank	Pesticides	Norflurazon	0.15	U	ug/L	0.15	0.6
6/23/2008 9:55	Blank	Pesticides	Phorate	0.05	U	ug/L	0.05	0.2
6/23/2008 9:55	Blank	Pesticides	Mevinphos	0.2	U	ug/L	0.2	0.8
6/23/2008 9:55	Blank	Pesticides	Malathion	0.15	U	ug/L	0.15	0.6
6/23/2008 9:55	Blank	Pesticides	Chlorpyrifos Ethyl	0.05	U	ug/L	0.05	0.2
6/23/2008 9:55	Blank	Pesticides	Ametryn	0.05	U	ug/L	0.05	0.2
6/23/2008 9:55	Blank	Pesticides	Metolachlor	0.5	U	ug/L	0.5	2
6/23/2008 9:55	Blank	Pesticides	Ethoprop	0.1	U	ug/L	0.1	0.4
6/23/2008 9:55	Blank	Pesticides	Hexazinone	0.1	U	ug/L	0.1	0.4
6/23/2008 9:55	Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	2,4-Dichlorophenol	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	2.1	U	ug/L	2.1	8.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Diethyl phthalate	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Endosulfan sulfate	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Hexachloroethane	3.1	U	ug/L	3.1	12
6/23/2008 9:55	Blank	Priority Organic Pollutants	Naphthalene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Phenol	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	gamma-BHC	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	2,4-Dimethylphenol	10	U	ug/L	10	41
6/23/2008 9:55	Blank	Priority Organic Pollutants	2-Nitrophenol	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Benzidine	100	U	ug/L	100	410
6/23/2008 9:55	Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	15	U	ug/L	15	62

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 9:55	Blank	Priority Organic Pollutants	Butyl benzyl phthalate	5.2	U	ug/L	5.2	21
6/23/2008 9:55	Blank	Priority Organic Pollutants	Pentachlorophenol	3.1	U	ug/L	3.1	12
6/23/2008 9:55	Blank	Priority Organic Pollutants	Phenanthrene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Pyrene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	delta-BHC	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	2,4-Dinitrophenol	15	U	ug/L	15	62
6/23/2008 9:55	Blank	Priority Organic Pollutants	Acenaphthylene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Aldrin	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Endrin aldehyde	4.1	UJ	ug/L	4.1	16
6/23/2008 9:55	Blank	Priority Organic Pollutants	Heptachlor epoxide	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	alpha-BHC	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	2-Chloronaphthalene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	4-Nitrophenol	15	U	ug/L	15	62
6/23/2008 9:55	Blank	Priority Organic Pollutants	Acenaphthene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Chrysene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Dieldrin	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Endosulfan II	4.1	U	ug/L	4.1	16
6/23/2008 9:55	Blank	Priority Organic Pollutants	Hexachlorobenzene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.1	U	ug/L	2.1	8.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	beta-BHC	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1	U	ug/L	3.1	12
6/23/2008 9:55	Blank	Priority Organic Pollutants	Benzo(a)pyrene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Endosulfan I	4.1	U	ug/L	4.1	16
6/23/2008 9:55	Blank	Priority Organic Pollutants	Heptachlor	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	2.1	U	ug/L	2.1	8.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Anthracene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	3.1	U	ug/L	3.1	12
6/23/2008 9:55	Blank	Priority Organic Pollutants	Dimethyl phthalate	10	U	ug/L	10	41

Appendix E. (continued)

Date Sampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
6/23/2008 9:55	Blank	Priority Organic Pollutants	Fluoranthene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Fluorene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Hexachlorobutadiene	3.1	U	ug/L	3.1	12
6/23/2008 9:55	Blank	Priority Organic Pollutants	Isophorone	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	4,4'-DDD	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	4,4'-DDE	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Benzo(a)anthracene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Di-n-butyl phthalate	5.2	U	ug/L	5.2	21
6/23/2008 9:55	Blank	Priority Organic Pollutants	Di-n-octyl phthalate	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	3.1	U	ug/L	3.1	12
6/23/2008 9:55	Blank	Priority Organic Pollutants	Nitrobenzene	2.1	U	ug/L	2.1	8.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	2-Chlorophenol	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	41	U	ug/L	41	160
6/23/2008 9:55	Blank	Priority Organic Pollutants	4,4'-DDT	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	1	U	ug/L	1	4.1
6/23/2008 9:55	Blank	Priority Organic Pollutants	Endrin	1.5	U	ug/L	1.5	6.2
6/23/2008 9:55	Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	1	U	ug/L	1	4.1
6/25/2008 9:35	Effluent	Field Parameter	Temperature	27.07		C		
6/25/2008 9:35	Effluent	Field Parameter	Dissolved Oxygen	8.71		mg/L		
6/25/2008 9:35	Effluent	Field Parameter	pH	8.21				
6/25/2008 9:35	Effluent	Field Parameter	Specific Conductance	1878		umhos/cm		

Appendix F. Bioassay Laboratory Equipment

Test Dates: June 24-28, 2008

Test ID: Coca-Cola North America SRT Dates: June 3-7, 2008

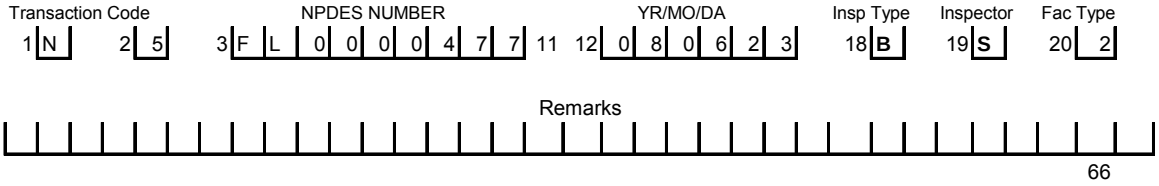
METER / DEVICE	ID	SOP	Parameter	Method	√ used
YSI Model 58 Dissolved Oxygen Meter	90H018262	TA06_04	Dissolved Oxygen	SM 4500 O G	√
Accumet AR-10 pH Meter	93312105	TA06_23	pH	SM 4500 H^+	√
Mettler-Toledo SevenMulti Conductivity Meter	SN 1225117049 Probe H04257	TA06_25	Conductivity Salinity	SM 2510 B SM 2520 B	√ √
Denver Model 225 ISE with ammonia probe	SN K01377	TA06_17	Ammonia	SM 4500 NH3 F	√
Thermometer (DO probe)	YSI 5750 SN 05J1720	TA06_05	Temperature	SM-2530B modified DEP SOP-001/01 FT1400	√
Hach Pocket Colorimeter II	05050C026378	TA06_22	Total Residual Chlorine	EPA 330.5 SM 4500 CL G	√
Alkalinity (Hach Kit)	No SN	TA06_08	Alkalinity	SM 2320 B	√
Hardness (Hach Kit)	No SN	TA06_09	Hardness	SM 2340 C	√
OHAUS Balance 250D	1125481084	TA06_21 TA06_27	Weight	-	
S-Weights	BIO-S-WEIGHTS-01	NA	Balance check	-	

SM-2530B modified to allow use electronic and non-mercury filled thermometers.
Insert other device information in blank spaces(if used). Test ID = Facility or SRTs (acute SRT--Chronic SRT)

Comments:

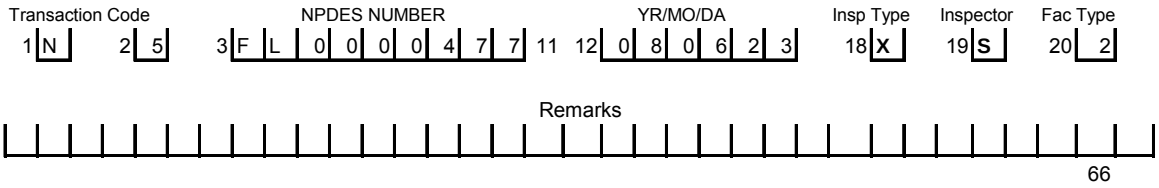
The Bioassay of the Coca-Cola North America effluent sampled on June 23, 2008. NPDES #FL0000477.

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



The Priority Pollutants Analysis of the Coca-Cola North America effluent sampled on June 23, 2008. NPDES #FL0000477.

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



Biological Analyses of the Coca-Cola North America effluent sampled on June 23, 2008. NPDES #FL0000477.

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

