

Bioassays of

Fiesta Village Advanced Wastewater Treatment Plant

Fort Myers, Lee County, Florida

NPDES #FL0039829

Sampled 1/27/03

April 2003

Biology Section

Division of Resource Assessment & Management

Comprehensive Quality Assurance Plan #870346G

Bioassays of

Fiesta Village Advanced Wastewater Treatment Plant

Fort Myers, Lee County, Florida

NPDES #FL0039829

Biology Section
Bureau of Laboratories
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Fiesta Village AWWTP, 1366 San Soucci Drive, Fort Myers, Lee County, Florida, NPDES #FL0039829, tests performed on 28 January to 4 February 2003.

Introduction

This advanced wastewater treatment facility has a design flow of 5.0 MGD and an annual average daily flow of 2.75 MGD (measured from October 2001-October 2002). Wastewater treatment is accomplished through an oxidation ditch advanced wastewater treatment process. Wastewater is chlorinated for disinfection, and dechlorinated with sulfur dioxide gas. Treated wastewater is disposed via a public access reuse system (golf course irrigation) or discharged into the Class III marine waters of the Caloosahatchee River (facility information provided by Thomas Jackson, FDEP, Fort Myers).

Methods

Samples were collected by Tylah Johnson, Doug Wells, and Elin Jackson following DEP-SOP-001/01 FS 2400 Wastewater Sampling. All DEP SOP's are available on the web at: http://www.floridadep.org/labs/qa/sops.htm.

The 7-day chronic screening toxicity tests discussed in this report were performed following internal DEP SOP's TA07_14 and TA07_15. All internal DEP SOP's are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp.

The 7-day chronic screening toxicity tests were performed using 44% effluent as per the NPDES permit for this facility. Sample salinity was adjusted using 40 fathoms™ artificial sea salts to 2 ppt and 7 ppt for the *M. beryllina* and *A. bahia* tests, respectively.

Toxicity Test Results

Americamysis bahia chronic screen – The No Observed Effect Concentration for survival, biomass, and fecundity was 44%.
Menidia beryllina chronic screen – The No Observed Effect Concentration for survival and biomass was 44%.

See Tables 1 and 2 for bioassay bench sheets.

Chemistry Results

Total residual chlorine was not detected in the bioassay samples in the laboratory. Total ammonia and unionized ammonia were detected in the bioassay sample collected on January 29, 2003, at concentrations of 0.396 mg/L and 0.198 mg/L, respectively. Total ammonia was not detected in the laboratory in the two other bioassay samples collected for these tests.

See Table 3 for chemicals detected in the analytical chemistry samples.
See Table 4 for a complete list of chemical analyses performed.

Conclusion

The samples of effluent collected from this facility on January 27, 29, and 31, 2003, did not show chronic toxicity to either test species during the 7-day chronic bioassay tests.

Table 1. Data recorded during the chronic screening bioassays of a sample of effluent from Fiesta Village AWWTP, 1366 San Soucci Drive, Fort Myers, Lee County, Florida, NPDES# FL0039829, performed from 28 January to 4 February 2003.

Facility:	**Fiesta Village AWWTP**		**NPDES #:**	**FL0039829**	Facility Type:	**AWWTP**	**Analysts:** Marshall Faircloth
Location:	1366 San Soucci Drive, Fort Myers		Contact/District:	Johnson/South			Joshua Ayres
County:	Lee		Test type:	chronic renewal screen			James Daniels
Sample #1 Collection Date:	1/27/2003	Time: 1130	# tests:	2	Receiving Water:	Caloosahatchee River	Jacquelyn Brynda
Sample #2 Collection Date:	1/29/2003	Time: 0700	Chlorination Type:	dechlorinated		Class III Marine	Christa Pierini
Sample #3 Collection Date:	1/31/2003	Time: 0830					
Test Beginning Date:	1/28/2003	Time: 1700				**Page 1 of 2**	
Test Ending Date:	2/4/2003	Time: 1500	FDEP SOP#:	TA07_15			**Reviewer:** Rob Buda

Organism: ***Americamysis bahia*** Life stage: 7 days

	Sample/Diluent			**Survival # Alive**					
Concentrations	Volume(mL)	0 hr	24 hr	48 hr	72 hr	96 hr	120 hr	144 hr	168 hr
Control A	0/500	5	5	5	5	5	5	5	5
Control B	0/500	5	5	4	4	4	4	4	4
Control C	0/500	5	5	5	5	5	5	5	5
Control D	0/500	5	5	5	5	5	5	5	5
Control E	0/500	5	5	5	5	5	5	5	5
Control F	0/500	5	5	5	5	5	5	5	5
Control G	0/500	5	5	4	4	4	4	4	4
Control H	0/500	5	5	5	5	5	5	5	5
44% A	500/0	5	5	5	5	5	5	5	5
44% B	500/0	5	5	5	5	5	5	5	4
44% C	500/0	5	5	4	4	4	4	4	4
44% D	500/0	5	5	5	4	4	4	3	3
44% E	500/0	5	5	5	5	5	4	4	4
44% F	500/0	5	5	5	5	5	5	5	5
44% G	500/0	5	5	5	5	5	5	3	3
44% H	500/0	5	5	5	5	5	5	5	5

Concentrations	**Biomass at end of test (mg)**
Control A	0.186
Control B	0.198
Control C	0.198
Control D	0.224
Control E	0.192
Control F	0.188
Control G	0.192
Control H	0.336
100% A	0.322
100% B	0.392
100% C	0.194
100% D	0.136
100% E	0.206
100% F	0.200
100% G	0.158
100% H	0.188

Concentrations	Females with eggs	Females no eggs	Males
Control A	2	2	1
Control B	1	1	2
Control C	2	2	1
Control D	0	1	4
Control E	1	2	2
Control F	0	2	3
Control G	1	1	2
Control H	2	0	3
44% A	3	0	2
44% B	2	1	1
44% C	1	1	2
44% D	1	1	1
44% E	0	2	2
44% F	2	2	1
44% G	0	0	3
44% H	0	2	3

Salinity [A]	ppt
100% sample:	<1
[B]adjusted sample:	7
Mysid control:	7

[A] Salinity based on conductivity and temperature.

[B] Sample was adjusted to 7ppt using 40 fathoms artificial sea salts.

LIMS	
Job number 1:	TLH-2003-01-28-10
sample number 1:	649555
Job number 2:	TLH-2003-01-30-02
sample number 2:	650588
Job number 3:	TLH-2003-02-03-02
sample number 3:	650957

Data Transcription Verification	
date:	4/14/2003
by:	Cathy Oaks
	Brad Richardson

Total Residual CL2	mg/L	Method
Field:	-	-
Lab Sample 1:	<0.03	Hach
Lab Sample 2:	<0.03	Hach
Lab Sample 3:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water :	<0.017	<0.017
100% Sample 1:	<0.017	<0.017
100% Sample 2:	0.396	0.198
100% Sample 3:	<0.017	<0.017

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water:	329	-
100% Sample 1:	99	198
100% Sample 2:	100	172
100% Sample 3:	105	165

Continued

Table 1. Concluded

Data recorded during the chronic screening bioassays of a sample of effluent from the Fiesta Village AWWTP, 1366 San Soucci Drive, Fort Myers, Lee County, Florida, NPDES# FL0039829, performed from 28 January to 4 February 2003.

Facility:	**Fiesta Village AWWTP**		**NPDES #:**	**FL0039829**	Facility Type:	**AWWTP**	**Analysts:** Marshall Faircloth
Location:	1366 San Soucci Drive, Fort Myers		Contact/District:	Johnson/South			Joshua Ayres
County:	Lee		Test type:	chronic renewal screen			James Daniels
Sample #1 Collection Date:	1/27/2003	Time: 1130	# tests:	2	Receiving Water:	Caloosahatchee River	Jacquelyn Brynda
Sample #2 Collection Date:	1/29/2003	Time: 0700	Chlorination Type:	dechlorinated		Class III Marine	Christa Pierini
Sample #3 Collection Date:	1/31/2003	Time: 0830					
Test Beginning Date:	1/28/2003	Time: 1700				**Page 2 of 2**	
Test Ending Date:	2/4/2003	Time: 1500	FDEP SOP#:	TA07_15			**Reviewer:** David Whiting

Americamysis bahia			**Before Renewal**			Conductivity Uncorrected	**After Renewal**			Conductivity Uncorrected
Concentrations	Replicate	Hour	pH	Temperature[A]	Dissolved Oxygen	mmhos/cm	pH	Temperature[A]	Dissolved Oxygen	mmhos/cm
Control	A	0	8.3	23.4	7.6	14.4	-	-	-	-
44%			8.3	23.3	7.9	12.4	-	-	-	-
Control	B	24	8.3	24.5	6.5	14.8	8.3	24.0	7.0	12.7
44%			8.3	24.6	6.4	13.3	8.3	24.1	7.1	12.4
Control	C	48	8.2	25.7	5.7	13.4	8.3	25.0	6.7	12.9
44%			8.0	25.6	5.6	13.5	8.2	25.3	6.8	12.7
Control	D	72	8.1	25.4	4.7	13.7	8.3	25.2	6.6	12.9
44%			8.1	25.3	4.7	13.3	8.3	25.2	6.9	14.5
Control	E	96	8.2	24.5	6.6	12.9	8.2	25.2	7.6	12.2
44%			8.1	24.8	6.1	14.6	8.2	25.1	7.8	12.9
Control	F	120	8.0	24.6	5.7	12.6	7.3	24.6	6.6	11.4
44%			7.9	24.6	5.6	13.6	8.0	25.1	6.2	13.1
Control	G	144	7.9	26.4	4.6	13.4	8.1	25.1	6.4	12.9
44%			7.8	26.4	4.6	14.2	8.1	25.4	6.7	12.6
Control	H	168	7.8	25.5	4.2	13.5	-	-	-	-
44%			7.8	25.5	4.0	13.2	-	-	-	-

Data Transcription Verification	
date:	4/14/2003
by:	Cathy Oaks
	Brad Richardson

[A] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 22.5-25.5°C.
Incubator #3 temperature range for the test period was 25.0-26.0°C.

Table 2. Data recorded during the chronic screening bioassays of a sample of effluent from the Fiesta Village AWWTP, 1366 San Soucci Drive, Fort Myers, Lee County, Florida, NPDES# FL0039829, performed from 28 January to 4 February 2003.

Facility:	**Fiesta Village AWWTP**		**NPDES #: FL0039829**	Facility Type:	**AWWTP**	**Analysts:**	Marshall Faircloth
Location:	1366 San Soucci Drive, Fort Myers		Contact/District: Johnson/South				Joshua Ayres
County:	Lee		Test type: chronic renewal screen				James Daniels
Sample #1 Collection Date:	1/27/2003	Time: 1130	# tests: 2	Receiving Water:	Caloosahatchee River		Jacquelyn Brynda
Sample #2 Collection Date:	1/29/2003	Time: 0700	Chlorination Type: dechlorinated		Class III Marine		Christa Pierini
Sample #3 Collection Date:	1/31/2003	Time: 0830					
Test Beginning Date:	1/28/2003	Time: 1615			**Page 1 of 1**		
Test Ending Date:	2/4/2003	Time: 1400	FDEP SOP#: TA07_14			**Reviewer:**	David Whiting

Organism: ***Menidia beryllina*** Life stage: 11 days

Concentrations	Sample/Diluent Volume(mL)	Survival # Alive 0 hr	24 hr	48 hr	72 hr	96 hr	120 hr	144 hr	168 hr
Control A	0/500	10	10	10	10	10	10	10	10
Control B	0/500	10	10	10	10	10	10	10	10
Control C	0/500	10	10	10	10	10	10	10	10
Control D	0/500	10	10	10	10	10	10	10	10
44% A	500/0	10	10	10	10	10	10	10	10
44% B	500/0	10	10	10	10	10	10	10	10
44% C	500/0	10	10	10	10	10	10	10	10
44% D	500/0	10	10	10	10	10	10	10	10

Concentrations	Biomass at end of test (mg)
Control A	2.078
Control B	2.190
Control C	2.326
Control D	2.155
100% A	2.474
100% B	2.283
100% C	2.243
100% D	2.541

LIMS	
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sample number 3:	650957

Data Transcription Verification	
date:	4/14/2003
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Concentrations	Replicate	Hour	Before Renewal pH	Temperature[A]	Dissolved Oxygen	Conductivity Uncorrected mmhos/cm	After Renewal pH	Temperature[A]	Dissolved Oxygen	Conductivity Uncorrected mmhos/cm
Control	A	0	8.0	24.0	8.1	3.20	-	-	-	-
44%			7.9	24.5	8.5	3.30	-	-	-	-
Control	B	24	7.9	24.2	6.8	3.95	7.4	24.6	7.3	2.97
44%			8.0	23.9	6.9	3.97	8.0	25.0	7.2	3.23
Control	C	48	8.0	24.0	5.8	3.15	8.0	26.7	7.1	2.48
44%			7.9	24.4	5.9	3.43	7.9	26.0	7.3	2.80
Control	D	72	8.0	25.5	5.5	2.90	8.0	27.0	7.1	2.60
44%			7.7	26.7	4.3	3.00	8.0	26.9	7.4	3.00
Control	A	96	7.9	26.3	5.8	2.40	7.8	25.7	7.8	2.42
44%			7.7	26.4	5.6	2.60	7.9	25.7	7.8	2.41
Control	B	120	8.0	25.3	5.4	2.43	8.0	25.1	6.5	2.38
44%			7.9	25.2	5.5	2.69	8.0	25.7	6.4	2.68
Control	C	144	7.9	25.9	6.0	2.61	7.8	25.9	7.4	3.14
44%			7.8	26.0	4.9	2.77	8.0	25.8	7.3	2.75
Control	D	168	7.6	25.1	4.7	3.24	-	-	-	-
44%			7.7	24.9	4.6	2.69	-	-	-	-

[A] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 22.5-25.5°C.
Incubator #3 temperature range for the test period was 25.0-26.0°C.

Total Residual CL2	mg/L	Method
Field:	-	-
Lab Sample 1:	<0.03	Hach
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Lab Sample 3:	<0.03	Hach

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100% Sample 1:	<0.017	<0.017
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Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water:	329	-
100% Sample 1:	99	198
100% Sample 2:	100	172
100% Sample 3:	105	165

Salinity [B]	ppt
100% sample:	<1
adjusted sample[C]:	2
Menidia control:	2

[B] Salinity based on conductivity and temperature.
[C] Sample was adjusted to 2ppt using 40 fathoms artificial sea salts.

Table 3. Results of chemical analyses on the effluent from Fiesta Village AWWTP sampled on January 29, 2003.

Metals			
Aluminum	62	ug/L	
Calcium	49.6	mg/L	A
Chromium	4	ug/L	I
Copper	1.9	ug/L	I
Iron	49	ug/L	
Lead	0.36	ug/L	I
Magnesium	13.2	mg/L	A
Silver	0.91	ug/L	A
Zinc	51	ug/L	
Pesticides and Herbicides			
Atrazine	0.088	ug/L	I
Nutrients			
Ammonia-N	0.076	mg N/L	
Nitrates and Nitrites	0.024	mg N/L	
Total Kjeldahl Nitrogen	0.88	mg N/L	
Ortho-Phosphates	0.015	mg P/L	
Total Phosphorous	0.033	mg P/L	I
Base, Neutral, & Acid Extractable Organics			
None detected			
Volatile Organic Compounds			
Bromodichloromethane	37	ug/L	
Bromoform	1.9	ug/L	
Chloroform	53	ug/L	
Dibromochloromethane	20	ug/L	

[A] The reported value is an average of two or more values.
[I] The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Table 4. Chemical Analyses performed on the effluent from Fiesta Village AWWTP, sampled on January 29, 2003.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
1/29/2003 7:15	DW-012903-1	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	1,2,4-Trichlorobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	1,2-Dichlorobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	1,3,5-Trinitrobenzene	3.9	ug/L	U	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	1,3-Dichlorobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	1,4-Dichlorobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	1,4-Naphthoquinone	19	ug/L	UJ	19	78
1/29/2003 7:15	DW-012903-1	BNA-Water	1-Naphthylamine	9.7	ug/L	U	9.7	39
1/29/2003 7:15	DW-012903-1	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	2,4,5-Trichlorophenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2,4,6-Trichlorophenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2,4-Dichlorophenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2,4-Dimethylphenol	49	ug/L	U	49	190
1/29/2003 7:15	DW-012903-1	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	58
1/29/2003 7:15	DW-012903-1	BNA-Water	2,4-Dinitrotoluene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2,6-Dichlorophenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2,6-Dinitrotoluene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Acetylaminofluorene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Chloronaphthalene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Chlorophenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Methylnaphthalene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Naphthylamine	9.7	ug/L	U	9.7	39
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Nitroaniline	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Nitrophenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	2-Picoline	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	3,3'-Dichlorobenzidine	39	ug/L	U	39	160
1/29/2003 7:15	DW-012903-1	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	78
1/29/2003 7:15	DW-012903-1	BNA-Water	3-Methylcholanthrene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	3-Nitroaniline	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	5.8

1/29/2003 7:15	DW-012903-1	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	4-Aminobiphenyl	3.9	ug/L	U	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	4-Bromophenyl phenyl ether	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	4-Chloro-3-methylphenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	4-Chloroaniline	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	4-Nitroaniline	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	4-Nitrophenol	15	ug/L	U	15	58
1/29/2003 7:15	DW-012903-1	BNA-Water	5-Nitro-o-toluidine	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Acenaphthene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Acenaphthylene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Acetophenone	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Aldrin	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Aniline	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Anthracene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Benzidine	97	ug/L	U	97	390
1/29/2003 7:15	DW-012903-1	BNA-Water	Benzo(a)anthracene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Benzo(a)pyrene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Benzo(b)fluoranthene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Benzo(g,h,i)perylene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Benzo(k)fluoranthene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Benzyl alcohol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Bis(2-chloroethoxy)methane	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Bis(2-chloroethyl)ether	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	58
1/29/2003 7:15	DW-012903-1	BNA-Water	Butyl benzyl phthalate	4.9	ug/L	U	4.9	19
1/29/2003 7:15	DW-012903-1	BNA-Water	Chrysene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Di-n-butyl phthalate	4.9	ug/L	U	4.9	19
1/29/2003 7:15	DW-012903-1	BNA-Water	Di-n-octyl phthalate	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Dibenzo(a,h)anthracene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Dibenzofuran	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Diethyl phthalate	0.97	ug/L	U	0.97	3.9

1/29/2003 7:15	DW-012903-1	BNA-Water	Dimethyl phthalate	49	ug/L	U	49	190
1/29/2003 7:15	DW-012903-1	BNA-Water	Dimethylaminoazobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Dinoseb	3.9	ug/L	U	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	Endosulfan I	3.9	ug/L	U	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	Endosulfan II	3.9	ug/L	U	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Endrin	1.5	ug/L	UJ	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Endrin aldehyde	3.9	ug/L	U	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	Ethyl methanesulfonate	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Fluoranthene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Fluorene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Hexachlorobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Indeno(1,2,3-cd)pyrene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Isophorone	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Isosafrole	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Methapyrilene	3.9	ug/L	UJ	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	Methyl methanesulfonate	0.97	ug/L	UJ	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosodi-n-butylamine	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosodiethylamine	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosomorpholine	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosopiperidine	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Naphthalene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	78
1/29/2003 7:15	DW-012903-1	BNA-Water	Pentachlorobenzene	0.97	ug/L	U	0.97	3.9

1/29/2003 7:15	DW-012903-1	BNA-Water	Pentachloroethane	49	ug/L	U	49	190
1/29/2003 7:15	DW-012903-1	BNA-Water	Pentachloronitrobenzene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	Phenacetin	3.9	ug/L	U	3.9	12
1/29/2003 7:15	DW-012903-1	BNA-Water	Phenanthrene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Phenol	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Pyrene	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	Pyridine	3.9	ug/L	U	3.9	16
1/29/2003 7:15	DW-012903-1	BNA-Water	Safrole	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	5.8
1/29/2003 7:15	DW-012903-1	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.8
1/29/2003 7:15	DW-012903-1	BNA-Water	o-Toluidine	0.97	ug/L	U	0.97	3.9
1/29/2003 7:15	DW-012903-1	Bio-AGP/LimNut	Algal Growth Potential	7.84	mg DryWt/L	J	0.1	0.3
1/29/2003 7:15	DW-012903-1	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
1/29/2003 7:15	DW-012903-1	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
1/29/2003 7:00	DW-012903-1	Bio-Toxicology	Bioassay-Chronic-Scrn-SW-Fish, NOEC		NOEC			
1/29/2003 7:00	DW-012903-1	Bio-Toxicology	Bioassay-Chronic-Scrn-SW-Mysid, NOEC		NOEC			
1/29/2003 7:15	DW-012903-1	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
1/29/2003 7:15	DW-012903-1	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
1/29/2003 7:15	DW-012903-1	GC-Water	Atrazine	0.088	ug/L	I	0.048	0.192
1/29/2003 7:15	DW-012903-1	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
1/29/2003 7:15	DW-012903-1	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
1/29/2003 7:15	DW-012903-1	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
1/29/2003 7:15	DW-012903-1	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
1/29/2003 7:15	DW-012903-1	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
1/29/2003 7:15	DW-012903-1	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
1/29/2003 7:15	DW-012903-1	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
1/29/2003 7:15	DW-012903-1	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
1/29/2003 7:15	DW-012903-1	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
1/29/2003 7:15	DW-012903-1	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
1/29/2003 7:15	DW-012903-1	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
1/29/2003 7:15	DW-012903-1	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
1/29/2003 7:15	DW-012903-1	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96

1/29/2003 7:15	DW-012903-1	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
1/29/2003 7:15	DW-012903-1	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
1/29/2003 7:15	DW-012903-1	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
1/29/2003 7:15	DW-012903-1	GC-Water	Naled	0.76	ug/L	U	0.76	3.04
1/29/2003 7:15	DW-012903-1	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
1/29/2003 7:15	DW-012903-1	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
1/29/2003 7:15	DW-012903-1	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
1/29/2003 7:15	DW-012903-1	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
1/29/2003 7:15	DW-012903-1	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
1/29/2003 7:15	DW-012903-1	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
1/29/2003 7:15	DW-012903-1	Metals-Water	Aluminum	62	ug/L		10	40
1/29/2003 7:15	DW-012903-1	Metals-Water	Arsenic	3	ug/L	U	3	12
1/29/2003 7:15	DW-012903-1	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
1/29/2003 7:15	DW-012903-1	Metals-Water	Calcium	49.6	mg/L	A	0.05	0.2
1/29/2003 7:15	DW-012903-1	Metals-Water	Chromium	4	ug/L	I	2	8
1/29/2003 7:15	DW-012903-1	Metals-Water	Copper	1.9	ug/L	I	0.75	3
1/29/2003 7:15	DW-012903-1	Metals-Water	Iron	49	ug/L		7	28
1/29/2003 7:15	DW-012903-1	Metals-Water	Lead	0.36	ug/L	I	0.1	0.4
1/29/2003 7:15	DW-012903-1	Metals-Water	Magnesium	13.2	mg/L	A	0.01	0.04
1/29/2003 7:15	DW-012903-1	Metals-Water	Nickel	2	ug/L	U	2	8
1/29/2003 7:15	DW-012903-1	Metals-Water	Selenium	1	ug/L	U	1	4
1/29/2003 7:15	DW-012903-1	Metals-Water	Silver	0.91	ug/L	A	0.02	0.08
1/29/2003 7:15	DW-012903-1	Metals-Water	Zinc	51	ug/L		4	16
1/29/2003 7:15	DW-012903-1	Nutrients-Liquid	Ammonia-N	0.076	mg N/L		0.01	0.02
1/29/2003 7:15	DW-012903-1	Nutrients-Liquid	NO2NO3-N	0.024	mg N/L		0.004	0.01
1/29/2003 7:15	DW-012903-1	Nutrients-Liquid	N_KJEL_TOT	0.88	mg N/L		0.12	0.4
1/29/2003 7:15	DW-012903-1	Nutrients-Liquid	Nitrate-N	0.04	mg N/L	U	0.04	0.08
1/29/2003 7:15	DW-012903-1	Nutrients-Liquid	O-Phosphate-P	0.015	mg P/L		0.004	0.01
1/29/2003 7:15	DW-012903-1	Nutrients-Liquid	TSS	4	mg/L	U	4	16
1/29/2003 7:15	DW-012903-1	Nutrients-Liquid	Total-P	0.033	mg P/L	I	0.015	0.04
1/29/2003 7:15	DW-012903-1	VOC-Water	Bromodichloromethane	37	ug/L		0.2	1
1/29/2003 7:15	DW-012903-1	VOC-Water	Bromoform	1.9	ug/L		0.2	1
1/29/2003 7:15	DW-012903-1	VOC-Water	Chloroform	53	ug/L		0.2	1
1/29/2003 7:15	DW-012903-1	VOC-Water	Dibromochloromethane	20	ug/L		0.2	1
1/29/2003 8:10	DW-012903-2	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8

1/29/2003 8:10	DW-012903-2	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
1/29/2003 8:10	DW-012903-2	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	1,4-Naphthoquinone	19	ug/L	UJ	19	76
1/29/2003 8:10	DW-012903-2	BNA-Water	1-Naphthylamine	9.5	ug/L	U	9.5	38
1/29/2003 8:10	DW-012903-2	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	2,4,5-Trichlorophenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
1/29/2003 8:10	DW-012903-2	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
1/29/2003 8:10	DW-012903-2	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2,6-Dichlorophenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Acetylaminofluorene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Methylnaphthalene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Naphthylamine	9.5	ug/L	U	9.5	38
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Nitroaniline	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	2-Picoline	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
1/29/2003 8:10	DW-012903-2	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	76
1/29/2003 8:10	DW-012903-2	BNA-Water	3-Methylcholanthrene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	3-Nitroaniline	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
1/29/2003 8:10	DW-012903-2	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	4-Chloroaniline	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	4-Nitroaniline	0.95	ug/L	U	0.95	3.8

1/29/2003 8:10	DW-012903-2	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
1/29/2003 8:10	DW-012903-2	BNA-Water	5-Nitro-o-toluidine	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Acetophenone	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	Aniline	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Benzidine	95	ug/L	U	95	380
1/29/2003 8:10	DW-012903-2	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Benzyl alcohol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
1/29/2003 8:10	DW-012903-2	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
1/29/2003 8:10	DW-012903-2	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
1/29/2003 8:10	DW-012903-2	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Dibenzofuran	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
1/29/2003 8:10	DW-012903-2	BNA-Water	Dimethylaminoazobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
1/29/2003 8:10	DW-012903-2	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
1/29/2003 8:10	DW-012903-2	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
1/29/2003 8:10	DW-012903-2	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	Endrin	1.4	ug/L	UJ	1.4	5.7

1/29/2003 8:10	DW-012903-2	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
1/29/2003 8:10	DW-012903-2	BNA-Water	Ethyl methanesulfonate	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Isosafrole	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Methapyrilene	3.8	ug/L	UJ	3.8	15
1/29/2003 8:10	DW-012903-2	BNA-Water	Methyl methanesulfonate	0.95	ug/L	UJ	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosodi-n-butylamine	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosodiethylamine	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosomorpholine	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosopiperidine	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	76
1/29/2003 8:10	DW-012903-2	BNA-Water	Pentachlorobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
1/29/2003 8:10	DW-012903-2	BNA-Water	Pentachloronitrobenzene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
1/29/2003 8:10	DW-012903-2	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
1/29/2003 8:10	DW-012903-2	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15

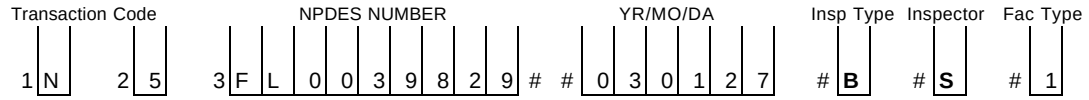
1/29/2003 8:10	DW-012903-2	BNA-Water	Safrole	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
1/29/2003 8:10	DW-012903-2	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.6
1/29/2003 8:10	DW-012903-2	BNA-Water	o-Toluidine	0.95	ug/L	U	0.95	3.8
1/29/2003 8:10	DW-012903-2	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
1/29/2003 8:10	DW-012903-2	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
1/29/2003 8:10	DW-012903-2	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
1/29/2003 8:10	DW-012903-2	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
1/29/2003 8:10	DW-012903-2	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
1/29/2003 8:10	DW-012903-2	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
1/29/2003 8:10	DW-012903-2	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
1/29/2003 8:10	DW-012903-2	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
1/29/2003 8:10	DW-012903-2	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
1/29/2003 8:10	DW-012903-2	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
1/29/2003 8:10	DW-012903-2	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
1/29/2003 8:10	DW-012903-2	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
1/29/2003 8:10	DW-012903-2	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
1/29/2003 8:10	DW-012903-2	GC-Water	Naled	0.76	ug/L	U	0.76	3.04
1/29/2003 8:10	DW-012903-2	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
1/29/2003 8:10	DW-012903-2	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
1/29/2003 8:10	DW-012903-2	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
1/29/2003 8:10	DW-012903-2	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
1/29/2003 8:10	DW-012903-2	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
1/29/2003 8:10	DW-012903-2	Metals-Water	Aluminum	10	ug/L	U	10	40
1/29/2003 8:10	DW-012903-2	Metals-Water	Arsenic	3	ug/L	U	3	12
1/29/2003 8:10	DW-012903-2	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1

1/29/2003 8:10	DW-012903-2	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
1/29/2003 8:10	DW-012903-2	Metals-Water	Chromium	2	ug/L	U	2	8
1/29/2003 8:10	DW-012903-2	Metals-Water	Copper	0.75	ug/L	U	0.75	3
1/29/2003 8:10	DW-012903-2	Metals-Water	Iron	7	ug/L	U	7	28
1/29/2003 8:10	DW-012903-2	Metals-Water	Lead	0.1	ug/L	U	0.1	0.4
1/29/2003 8:10	DW-012903-2	Metals-Water	Magnesium	0.01	mg/L	U	0.01	0.04
1/29/2003 8:10	DW-012903-2	Metals-Water	Nickel	2	ug/L	U	2	8
1/29/2003 8:10	DW-012903-2	Metals-Water	Selenium	1	ug/L	U	1	4
1/29/2003 8:10	DW-012903-2	Metals-Water	Silver	1.7	ug/L		0.02	0.08
1/29/2003 8:10	DW-012903-2	Metals-Water	Zinc	4	ug/L	U	4	16
1/29/2003 8:10	DW-012903-2	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
1/29/2003 8:10	DW-012903-2	Nutrients-Liquid	NO2NO3-N	0.016	mg N/L		0.004	0.01
1/29/2003 8:10	DW-012903-2	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
1/29/2003 8:10	DW-012903-2	Nutrients-Liquid	Nitrate-N	0.04	mg N/L	U	0.04	0.08
1/29/2003 8:10	DW-012903-2	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
1/29/2003 8:10	DW-012903-2	Nutrients-Liquid	TSS	4	mg/L	U	4	16
1/29/2003 8:10	DW-012903-2	Nutrients-Liquid	Total-P	0.015	mg P/L	U	0.015	0.04
1/29/2003 8:10	DW-012903-2	VOC-Water	Bromodichloromethane	0.2	ug/L	U	0.2	1
1/29/2003 8:10	DW-012903-2	VOC-Water	Bromoform	0.2	ug/L	U	0.2	1
1/29/2003 8:10	DW-012903-2	VOC-Water	Chloroform	0.2	ug/L	U	0.2	1
1/29/2003 8:10	DW-012903-2	VOC-Water	Dibromochloromethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,1,1-Trichloroethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,1,2,2-Tetrachloroethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,1,2-Trichloroethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,1-Dichloroethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,1-Dichloroethene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,2-Dichlorobenzene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,2-Dichloroethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,2-Dichloropropane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,3-Dichlorobenzene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	1,4-Dichlorobenzene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	2-Chloroethylvinyl ether	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Benzene	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Bromodichloromethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Bromoform	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Bromomethane	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Carbon tetrachloride	0.2	ug/L	U	0.2	1

1/29/2003 8:00	TRIP BLK	VOC-Water	Chlorobenzene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Chloroethane	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Chloroform	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Chloromethane	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Dibromochloromethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Ethylbenzene	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Methylene chloride	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Tetrachloroethene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Toluene	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	Trichloroethene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Trichlorofluoromethane	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	Vinyl chloride	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	cis-1,3-Dichloropropene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	m,p-Xylene	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	o-Xylene	0.5	ug/L	U	0.5	2
1/29/2003 8:00	TRIP BLK	VOC-Water	trans-1,2-Dichloroethene	0.2	ug/L	U	0.2	1
1/29/2003 8:00	TRIP BLK	VOC-Water	trans-1,3-Dichloropropene	0.2	ug/L	U	0.2	1

The Bioassay of Fiesta Village AWWTP effluent sampled on January 27, 2003, NPDES #FL0039829.

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



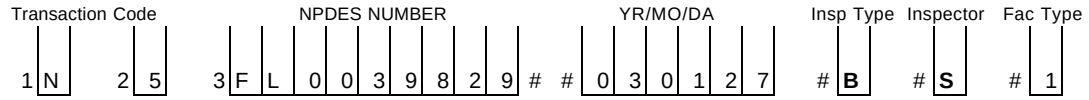
Remarks



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The Priority Pollutants Analysis for Bioassay of Fiesta Village AWWTP effluent sampled on January 27, 2003, NPDES #FL0039829.

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



Remarks



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