

Bioassays of

Florida State Hospital Wastewater Treatment Plant

Chattahoochee, Gadsden County, Florida

NPDES #FL0031402

Sampled 7/22/02

April 2003

Biology Section

Division of Resource Assessment & Management

Comprehensive Quality Assurance Plan #870346G

Bioassays of

Florida State Hospital Wastewater Treatment Plant

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NPDES #FL0031402

Biology Section
Bureau of Laboratories
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Florida State Hospital Wastewater Treatment Plant, Blackberry Lane, Chattahoochee, Gadsden County, Florida, NPDES #FL0031402, tests performed on 23 to 25 July 2002.

Introduction

This activated-sludge wastewater treatment plant has a design flow of 1.3 MGD and an average daily flow of 0.339 MGD (November, 2001 - October, 2002). Treatment consists of primary clarification, biological treatment using activated sludge, secondary clarification, chlorination, and dechlorination with sulfur dioxide gas, before discharge into the Class III Fresh waters of Mosquito Creek, which flows into the Apalachicola River. Residuals are treated by aerobic and anaerobic digestion, placed on drying beds and disposed of in a landfill (facility information provided by David Kriger, FDEP, Tallahassee).

Methods

Samples were collected by David Kriger 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 toxicity tests discussed in this report were performed following internal DEP SOP's TA07-01 and TA07-02. All internal DEP SOP's are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp.

Toxicity Test Results

Ceriodaphnia dubia 48-hr acute screen – Invalidated-Control Failure
Cyprinella leedsi 48-hr acute screen – Not Toxic

See Table 1 for bioassay bench sheets.

Chemistry Results

Total residual chlorine and total ammonia were not detected in the bioassay sample in the laboratory.

See Table 2 for chemicals detected in the analytical chemistry samples.
See Table 3 for all complete list of chemical analyses performed.

Conclusion

The sample of effluent collected from this facility on July 23, 2002, did not show acute toxicity to either test species during the 48-hour bioassay test.

Table 1. Data recorded during the 48-hour acute screening bioassays of a sample of effluent from the Florida State Hospital Wastewater Treatment Plant, Blackberry Lane, Chattahoochee, Gadsden County, Florida, NPDES# FL0031402, performed from 23 to 25 July 2002.

Facility:	**Florida State Hospital WWTP**	**NPDES #**	**FL0031402**	Facility Type:	**Wastewater**	**Analysts:**	Joshua Ayres
Location:	Blackberry Lane, Chattahoochee	Contact/District:	David Kriger/Northwest District		**Treatment**		Gary Hardie
County:	Gadsden	Test type:	static acute screen				Marshall Faircloth
Sample Collection Date:	7/23/2002 Time: 1115	# tests:	2	Receiving Water:	Mosquito Creek to Apalachicola River		Jacquelyn M. Brynda
Test Beginning Date:	7/23/2002 Time: 1515	Chlorination Type:	Chlorinated	Classification:	Class III Fresh		
Test Ending Date:	7/25/2002 Time: 1610		sample collected after dechlorination		**Page 1 of 1**	**Reviewer:**	David Whiting

Organism: ***Ceriodaphnia dubia*** Life stage: <24 hours

	Sample/Diluent	SURVIVAL # Alive			pH			Temperature[B]			Dissolved Oxygen			Conductivity Uncorrected µmhos/cm	
Concentrations	Volume(mL)	0 hr	24 hr	48 hr[A]	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	48 hour
Control A	0/20	5	5	5	7.8	-	8.2	24.2	-	23.6	7.8	-	8.0	163	215
Control B	0/20	5	5	5	-	-	8.2	-	-	23.7	-	-	8.0	-	210
Control C	0/20	5	5	2	-	-	8.2	-	-	23.7	-	-	7.9	-	195
Control D	0/20	5	5	5	-	-	8.3	-	-	23.6	-	-	8.0	-	195
100% A	20/0	5	5	5	7.3	-	8.4	24.7	-	23.6	7.8	-	8.0	447	515
100% B	20/0	5	5	5	-	-	8.4	-	-	23.6	-	-	8.0	-	525
100% C	20/0	5	5	5	-	-	8.4	-	-	23.7	-	-	7.9	-	525
100% D	20/0	5	5	5	-	-	8.4	-	-	23.6	-	-	7.9	-	545

[A] Test invalidated at 48 hours due to excess control mortality.

[B] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 24.0-27.0 °C.
Incubator #3 temperature range for the test period was 24.0-25.5°C.

Organism: ***Cyprinella leedsi*** Life stage: 13 days

	Sample/Diluent	SURVIVAL # Alive			pH			Temperature[C]			Dissolved Oxygen			Conductivity Uncorrected µmhos/cm	
Concentrations	Volume(mL)	0 hr	24 hr	48 hr	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	48 hour
Control A	0/500	5	5	5	7.9	8.3	8.4	24.8	26.5	24.2	7.1	6.6	7.4	260	170
Control B	0/500	5	5	5	7.9	8.3	8.4	24.9	25.3	24.0	7.4	6.9	7.5	260	265
Control C	0/500	5	5	4	7.9	8.3	8.5	24.9	25.1	24.0	7.6	7.2	7.5	265	270
Cotnrol D	0/500	5	5	5	7.9	8.3	8.5	24.9	25.8	24.1	7.6	6.9	7.6	265	270
100% A	500/0	5	5	5	7.5	8.1	8.3	24.8	25.5	24.2	7.6	6.8	7.1	450	440
100% B	500/0	5	5	5	7.5	8.1	8.2	24.8	24.7	24.1	7.4	6.9	7.3	460	465
100 % C	500/0	5	5	5	7.5	8.1	8.3	24.9	25.0	24.0	7.2	6.9	7.6	465	485
100% D	500/0	5	5	5	7.5	8.1	8.3	24.8	24.9	24.1	7.2	6.8	7.5	460	475

[C] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 24.0-27.0 °C.
Incubator #3 temperature range for the test period was 24.0-25.5°C.

LIMS	
Job number:	TLH-2002-07-23-73
sample number:	608604

Data Transcription Verification	
date:	1/7/2003
by:	James Daniels
	Jacquelyn Brynda

Total Residual CL2	mg/L	Method
Field:	1.62	-
Lab:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water (fish):	<0.017	<0.017
Control water (water flea):	<0.017	<0.017
100% Sample:	<0.017	<0.017

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water (fish):	144	129
Control water (water flea):	84	78
100% Sample:	115	123

Table 2. Results of chemical analyses on the effluent from Florida State Hospital Wastewater Treatment Plant sampled on July 23, 2002

Metals

Cadmium	0.096	µg/L	I
Calcium	39.7	mg/L	
Copper	12.5	µg/L	
Iron	86	µg/L	I
Lead	0.69	µg/L	
Magnesium	7.8	mg/L	
Zinc	55.3	µg/L	

Nutrients

Ammonia-N	0.059	mg N/L	YA
Nitrite+Nitrate-N	8.5	mg N/L	
Total Kjeldahl Nitrogen	0.68	mg N/L	YA
Orthophosphate-P	2.2	mg P/L	
Total Phosphorus-P	2.5	mg P/L	YA

Pesticides and Herbicides

None detected

Base, Neutral, & Acid Extractable Organics

None detected

[A] Value reported is the mean of two or more determinations.
[I] The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
[Y] The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Table 3. Chemical Analyses performed on the effluent from Florida State Hospital WWTP, sampled on July 23, 2002.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	76
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	1-Naphthylamine	9.5	ug/L	U	9.5	38
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,4,5-Trichlorophenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,6-Dichlorophenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Acetylaminofluorene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Methylnaphthalene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Naphthylamine	9.5	ug/L	U	9.5	38
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Nitroaniline	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	2-Picoline	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	76
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	3-Methylcholanthrene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	3-Nitroaniline	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7

7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4-Chloroaniline	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4-Nitroaniline	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	5-Nitro-o-toluidine	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Acetophenone	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Aniline	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Azobenzene/1,2-Diphenylhydrazi	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Benzidine	95	ug/L	U	95	380
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Benzyl alcohol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Dibenzofuran	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8

7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Dimethylaminoazobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Ethyl methanesulfonate	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Isosafrole	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Methyl methanesulfonate	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosodi-n-butylamine	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosodiethylamine	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosomorpholine	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosopiperidine	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	76
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Pentachlorobenzene	0.95	ug/L	U	0.95	3.8

7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Pentachloronitrobenzene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	Safrole	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.6
7/23/2002 11:15	EFFLUENT SAMPLE	BNA-Water	o-Toluidine	0.95	ug/L	U	0.95	3.8
7/23/2002 11:15	EFFLUENT SAMPLE	Bio-BOD	Biochemical Oxygen Demand-5 I	0.36	mg/L	AI		
7/23/2002 11:15	EFFLUENT SAMPLE	Bio-Microbiolo	Fecal Coliforms-Membrane Filter	1	#/100 mL	K		
7/23/2002 11:15	EFFLUENT SAMPLE	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dul	NO RESUL	LC50			
7/23/2002 11:15	EFFLUENT SAMPLE	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish,	100	LC50	L		
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92

7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Naled	0.76	ug/L	U	0.76	3.04
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
7/23/2002 11:15	EFFLUENT SAMPLE	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Aluminum_308	50	ug/L	U	50	200
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Arsenic	3	ug/L	U	3	12
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Cadmium	0.096	ug/L	I	0.025	0.1
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Calcium	39.7	mg/L		0.05	0.3
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Chromium	2	ug/L	U	2	8
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Copper	12.5	ug/L		0.75	3
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Iron_271	86	ug/L	I	25	100
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Lead	0.69	ug/L		0.1	0.4
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Magnesium	7.8	mg/L		0.025	0.1
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Nickel	2	ug/L	U	2	8
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Selenium	1	ug/L	U	1	4
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
7/23/2002 11:15	EFFLUENT SAMPLE	Metals-Water	Zinc	55.3	ug/L		2.5	10
7/23/2002 11:15	EFFLUENT SAMPLE	Nutrients-Liqui	Ammonia-N	0.059	mg N/L	YA	0.01	0.02
7/23/2002 11:15	EFFLUENT SAMPLE	Nutrients-Liqui	NO2NO3-N	8.5	mg N/L		0.4	1
7/23/2002 11:15	EFFLUENT SAMPLE	Nutrients-Liqui	N_KJEL_TOT	0.68	mg N/L	YA	0.06	0.2
7/23/2002 11:15	EFFLUENT SAMPLE	Nutrients-Liqui	O-Phosphate-P	2.2	mg P/L		0.16	0.4
7/23/2002 11:15	EFFLUENT SAMPLE	Nutrients-Liqui	TSS	4	mg/L	U	4	16
7/23/2002 11:15	EFFLUENT SAMPLE	Nutrients-Liqui	Total-P	2.5	mg P/L	YA	0.8	1.6
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,2,4,5-Tetrachlorobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,2,4-Trichlorobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,2-Dichlorobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,3,5-Trinitrobenzene	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,3-Dichlorobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,3-Dinitrobenzene	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,4-Dichlorobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1,4-Naphthoquinone	23	ug/L	U	23	93
7/23/2002 11:15	EQUIP BLANK	BNA-Water	1-Naphthylamine	12	ug/L	U	12	47

7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,3,4,6-Tetrachlorophenol	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,4,5-Trichlorophenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,4,6-Trichlorophenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,4-Dichlorophenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,4-Dimethylphenol	58	ug/L	U	58	230
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,4-Dinitrophenol	17	ug/L	U	17	70
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,4-Dinitrotoluene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,6-Dichlorophenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2,6-Dinitrotoluene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Acetylaminofluorene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Chloronaphthalene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Chlorophenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Methylnaphthalene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Naphthylamine	12	ug/L	U	12	47
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Nitroaniline	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Nitrophenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	2-Picoline	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	3,3'-Dichlorobenzidine	47	ug/L	U	47	190
7/23/2002 11:15	EQUIP BLANK	BNA-Water	3,3'-Dimethylbenzidine	23	ug/L	U	23	93
7/23/2002 11:15	EQUIP BLANK	BNA-Water	3-Methylcholanthrene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	3-Nitroaniline	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4,4'-DDD	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4,4'-DDE	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4,4'-DDT	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4-Aminobiphenyl	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4-Bromophenyl phenyl ether	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4-Chloro-3-methylphenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4-Chloroaniline	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4-Chlorophenyl phenyl ether	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4-Nitroaniline	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	4-Nitrophenol	17	ug/L	U	17	70
7/23/2002 11:15	EQUIP BLANK	BNA-Water	5-Nitro-o-toluidine	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	7,12-Dimethylbenz(a)anthracene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Acenaphthene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Acenaphthylene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Acetophenone	1.2	ug/L	U	1.2	4.7

7/23/2002 11:15	EQUIP BLANK	BNA-Water	Aldrin	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Aniline	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Anthracene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Azobenzene/1,2-Diphenylhydrazi	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Benzidine	120	ug/L	U	120	470
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Benzo(a)anthracene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Benzo(a)pyrene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Benzo(b)fluoranthene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Benzo(g,h,i)perylene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Benzo(k)fluoranthene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Benzyl alcohol	1.3	ug/L	I	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Bis(2-chloroethoxy)methane	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Bis(2-chloroethyl)ether	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	17	ug/L	U	17	70
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Butyl benzyl phthalate	5.8	ug/L	U	5.8	23
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Chrysene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Di-n-butyl phthalate	5.8	ug/L	U	5.8	23
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Di-n-octyl phthalate	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Dibenzo(a,h)anthracene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Dibenzofuran	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Dieldrin	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Diethyl phthalate	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Dimethyl phthalate	58	ug/L	U	58	230
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Dimethylaminoazobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Dinoseb	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Diphenylamine	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Endosulfan I	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Endosulfan II	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Endosulfan sulfate	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Endrin	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Endrin aldehyde	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Ethyl methanesulfonate	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Fluoranthene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Fluorene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Heptachlor	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Heptachlor epoxide	1.7	ug/L	U	1.7	7

7/23/2002 11:15	EQUIP BLANK	BNA-Water	Hexachlorobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Hexachlorobutadiene	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Hexachlorocyclopentadiene	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Hexachloroethane	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Hexachloropropene	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Isophorone	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Isosafrole	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Methapyrilene	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Methyl methanesulfonate	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosodi-n-butylamine	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosodi-n-propylamine	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosodiethylamine	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosodimethylamine	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosodiphenylamine	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosomethylethylamine	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosomorpholine	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosopiperidine	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	N-Nitrosopyrrolidine	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Naphthalene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Nitrobenzene	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Nitroquinoline-1-oxide	23	ug/L	U	23	93
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Pentachlorobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Pentachloroethane	58	ug/L	U	58	230
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Pentachloronitrobenzene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Pentachlorophenol	3.5	ug/L	U	3.5	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Phenacetin	4.7	ug/L	U	4.7	14
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Phenanthrene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Phenol	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Pyrene	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Pyridine	4.7	ug/L	U	4.7	19
7/23/2002 11:15	EQUIP BLANK	BNA-Water	Safrole	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	alpha-BHC	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	beta-BHC	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	delta-BHC	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	gamma-BHC	1.7	ug/L	U	1.7	7
7/23/2002 11:15	EQUIP BLANK	BNA-Water	m,p-Cresols	2.3	ug/L	U	2.3	9.3

7/23/2002 11:15	EQUIP BLANK	BNA-Water	o-Cresol	2.3	ug/L	U	2.3	9.3
7/23/2002 11:15	EQUIP BLANK	BNA-Water	o-Toluidine	1.2	ug/L	U	1.2	4.7
7/23/2002 11:15	EQUIP BLANK	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
7/23/2002 11:15	EQUIP BLANK	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EQUIP BLANK	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EQUIP BLANK	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EQUIP BLANK	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EQUIP BLANK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EQUIP BLANK	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EQUIP BLANK	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EQUIP BLANK	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
7/23/2002 11:15	EQUIP BLANK	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
7/23/2002 11:15	EQUIP BLANK	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
7/23/2002 11:15	EQUIP BLANK	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EQUIP BLANK	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
7/23/2002 11:15	EQUIP BLANK	GC-Water	Naled	0.76	ug/L	U	0.76	3.04
7/23/2002 11:15	EQUIP BLANK	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EQUIP BLANK	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
7/23/2002 11:15	EQUIP BLANK	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
7/23/2002 11:15	EQUIP BLANK	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
7/23/2002 11:15	EQUIP BLANK	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Aluminum_308	50	ug/L	U	50	200
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Arsenic	3	ug/L	U	3	12
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.3
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Copper	0.75	ug/L	U	0.75	3
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Iron_271	25	ug/L	U	25	100
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Lead	0.1	ug/L	U	0.1	0.4
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Magnesium	0.025	mg/L	U	0.025	0.1

7/23/2002 11:15	EQUIP BLANK	Metals-Water	Nickel	2	ug/L	U	2	8
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Selenium	1	ug/L	U	1	4
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
7/23/2002 11:15	EQUIP BLANK	Metals-Water	Zinc	2.5	ug/L	U	2.5	10
7/23/2002 11:15	EQUIP BLANK	Nutrients-Liqui	Ammonia-N	0.01	mg N/L	U	0.01	0.02
7/23/2002 11:15	EQUIP BLANK	Nutrients-Liqui	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
7/23/2002 11:15	EQUIP BLANK	Nutrients-Liqui	N_KJEL_TOT	0.06	mg N/L	UY	0.06	0.2
7/23/2002 11:15	EQUIP BLANK	Nutrients-Liqui	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
7/23/2002 11:15	EQUIP BLANK	Nutrients-Liqui	Total-P	0.04	mg P/L	UY	0.04	0.08

The Bioassay of the Florida State Hospital WWTP effluent sampled on July 23, 2002, NPDES #FL0031402.

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

Transaction Code		NPDES NUMBER									YR/MO/DA						Insp Type	Inspector	Fac Type
1	N	2	5	3	F	L	0	0	3	1	4	0	2	# #	0	2	0	7	2	3	# **B**	# **S**	# 1

Remarks

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The Priority Pollutants Analysis for the Bioassay of the Florida State Hospital WWTP effluent sampled on July 23, 2002, NPDES #FL0031402.

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

Transaction Code		NPDES NUMBER									YR/MO/DA						Insp Type	Inspector	Fac Type
1	N	2	5	3	F	L	0	0	3	1	4	0	2	# #	0	2	0	7	2	3	# **X**	# **S**	# 1

Remarks

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