

Bioassays of

Pace Water Systems, Inc.

Santa Rosa County

NPDES #FL0102202

Sampled October 20, 22, and 24, 2003

May 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Pace Water Systems, Inc., Wastewater Treatment Facility, 4401 Woodbine Road, Pace, Santa Rosa County, Florida, NPDES #FL0102202. Effluent samples for this facility were collected on October 20, 22, and 24, 2003.

Introduction

The Pace Water Systems, Inc., domestic Wastewater Treatment Facility (WWTF) has a design flow of 1.0 million gallons per day (MGD) and an average flow of 0.587 MGD (flow data from 12 months in 2001 and 7 months from 2003). The wastewater treatment process consists of screening, grit removal, oxidation, nitrification/denitrification, biological phosphorous removal, settling, filtration, chlorine high-level disinfection, acidification, and dechlorination using sulfur dioxide. Treated wastewater is discharged to Pace Swamp, a 144-acre treatment wetland, then to the Simpson River, a Class III freshwater, at Discharge Location (D001). The discharge is at a point that minimizes channelized flow and maximizes sheet flow in the wetland (facility information provided by Wesley Keller, FDEP Northwest District, Pensacola).

Methods

Samples were collected from the NPDES sampling point by Glenn Butts (FDEP Northwest District, Pensacola) 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 and algal growth potential tests discussed in this report were performed following internal DEP SOP's TA07_05,TA07_09, and TA08_01 through TA08_06. All internal DEP SOP's are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp

Toxicity Test Results

Tests were performed October 21 - 29, 2003.

Ceriodaphnia dubia chronic screening bioassay – Not Toxic; NOEC = 100%, for both survival and reproduction at 192 hours

Pimephales promelas chronic screening bioassay – Not Toxic; NOEC = 100%, for both survival and reproduction at 168 hours

The levels of Total Residual Chlorine (TRC) measured in the samples were greater than TRC levels known to affect survival in similar test species (USEPA, 1986). The laboratory did not receive enough sample volume to perform both unadjusted and dechlorinated tests. At the request of FDEP district personnel, the samples were dechlorinated in the laboratory prior to starting the test. Dechlorinated tests were requested in order to test for non-chlorine toxicity. The *C. dubia* test was extended from seven to eight days per SOP TA07_05 to allow the release of the third brood from the majority of the test organisms.

See Table 1 for bioassay bench sheets.

Algal Growth Potential

The effluent Algal Growth Potential (AGP) was 104 mg dry wt/L of *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 effluent sample value was approximately 20 times greater than the "problem" threshold.

See Table 2 for AGP results.

Chemistry Results

Total ammonia was not detected in the bioassay samples in the laboratory. Total residual chlorine (TRC) was detected in the field in the sample collected on October 20, 2003, at a concentration of 0.69 mg/L; however, TRC was not measured in the field for the second (collected on October 22, 2003) and third (collected on October 24, 2003) bioassay samples. TRC was detected in the laboratory in the first, second, and third bioassay samples at concentrations of 0.45 mg/L, 3.58 mg/L, 1.76 mg/L, respectively. The effluent TRC concentrations exceeded the Class III Freshwater Quality Criterion for total residual chlorine of $\leq$ 0.01 mg/L (62-302.530(19) F.A.C.). The bioassay samples were dechlorinated prior to testing by the addition of 0.5 ml, 4.0 ml, and 1.9 ml of Sodium thiosulfate (0.025 N) per liter of sample, respectively, in samples one, two, and three in order to neutralize the chlorine.

The effluent copper concentrations for the samples collected on 10/20/03 (14.2 µg/L), 10/22/03 (12.9 µg/L), and 10/24/03 (12.1µg/L) exceeded the Class III Freshwater Quality Criterion for copper (See Table 3, 62-302.530(24) F.A.C.).

Aluminum and lead were detected in the effluent sample collected on October 20, 2003, and iron and zinc were detected in the effluent samples collected on October 20, 22, and 24, 2003, at levels that complied with Class III Freshwater Criteria.

Atrazine, aluminum, cadmium, lead, and silver were also detected in effluent samples collected on October 22 and 24, 2003, at levels above the method detection limits, but below the practical quantitation limits.

See Table 3 for results of analytes detected in the effluent.

See Appendix 1 for a complete list of chemical analyses performed.

See Appendix 2 for discharge monitoring data covering the period from September 30, 1999 to July 31, 2003.

Conclusion

The dechlorinated effluent samples collected from this facility on October 20, 22, and 24, 2003, did not show acute or chronic toxicity to either test species during the chronic screening bioassay tests. The levels of chlorine present in the samples prior to dechlorination were above levels reported to produce adverse effects to the test species used in this study. The effluent AGP result exceeded the "problem" threshold for fresh receiving waters. The effluent's total residual chlorine and copper concentrations exceeded Class III Freshwater Quality Criteria.

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.

Miller et al. 1990. *The Acute and Chronic Toxicity of Ammonia to Marine Fish and Invertebrates*, Archives of Environmental Contamination and Toxicology 19:40-48.

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.

Weber, C. I. 1993. Methods for measuring the acute toxicity of effluents to freshwater and marine organisms. 4th edition. EPA/600/4-90/027. U. S. EPA, Cincinnati, Ohio. 216 pp.

USEPA. 2000. Nutrient Criteria Technical Guidance Manual – River and Streams. EPA-822-B-00-002.

USEPA. 2002. Short-term methods for estimating the chronic toxicity of effluents and receiving waters to freshwater organisms. 4th Edition. EPA-821-R-02-013.

USEPA. 1986. *Quality Criteria for Water* 1986, EPA 44015-86-001, 1986).

Table 1. continued

Data recorded during the chronic screening bioassays of a sample of effluent from Pace Water Systems, Inc., 4401 Woodbine Road, Santa Rosa County, Pace, Florida, NPDES# FL0102202, performed from 21 to 29, October 2003.

Facility:	**Pace Water Systems, Inc.**			**NPDES #:**	**FL0102202**	Facility Type:	**Wastewater Treatment Plant**	**Analysts:**	Marshall Faircloth
Location:	4401 Woodbine Road, Pace			Contact/District:	Glenn Butts/NW				Joshua Ayres
County:	Santa Rosa			Test type:	chronic renewal screen				Christa Pierini
Sample #1 Collection Date:	10/20/2003	Time:	1115	# tests:	2	Receiving Water:	Class III fresh		
Sample #2 Collection Date:	10/22/2003	Time:	1000	Chlorination Type:	de-chlorinated		Simpsons River		
Sample #3 Collection Date:	10/24/2003	Time:	1000						
Test Beginning Date:	10/21/2003	Time:	1400				**Page 1 of 3**		
Test Ending Date:	10/29/2003	Time:	900	FDEP SOP#:	TA07_05			**Reviewer:**	Julie Espy

Sample 710649 dechlorinated with 0.025N Sodium Thiosulfate (0.5 ml/L of sample).
Sample 712177 dechlorinated with 0.025N Sodium Thiosulfate (4 ml/L of sample).
Sample 712425 dechlorinated with 0.025N Sodium Thiosulfate (1.9 ml/L of sample).

Organism: ***Ceriodaphnia dubia*** Life stage: <24 hrs [A]Feeding: YCT/Algae
Chamber size: 30mL Food Batch #: #3/#20

	Sample/Diluent	# Young									
Concentrations	Volume(mL)	0 hr	24 hr	48 hr	72 hr	96 hr	120 hr	144 hr	168 hr	192 hr	**Total**
Control A	0/20	0	0	0	0	1	0	4	4	1	10
Control B	0/20	0	0	0	0	1	3	1	0	13	18
Control C	0/20	0	0	0	0	0	2	6	0	12	20
Control D	0/20	0	0	0	0	0	0	4	8	10	22
Control E	0/20	0	0	0	0	2	0	1	8	5	16
Control F	0/20	0	0	0	0	0	0	3	9	15	27
Control G	0/20	0	0	0	0	1	0	3	7	13	24
Control H	0/20	0	0	0	0	1	1	1	8	9	20
Control I	0/20	0	0	0	0	0	0	3	7	10	20
Control J	0/20	0	0	0	0	0	0	4	9	11	24
Dechl. 100% A	20/0	0	0	0	0	2	0	1	5	9	17
Dechl. 100% B	20/0	0	0	0	0	2	2	0	9	10	23
Dechl. 100% C	20/0	0	0	0	0	0	4	0	8	9	21
Dechl. 100% D	20/0	0	0	0	0	2	0	4	10	0	16
Dechl. 100% E	20/0	0	0	0	0	1	0	4	8	9	22
Dechl. 100% F	20/0	0	0	0	0	0	0	5	10	10	25
Dechl. 100% G	20/0	0	0	0	0	0	2	0	9	9	20
Dechl. 100% H	20/0	0	0	0	0	1	0	3	7	9	20
Dechl. 100% I	20/0	0	0	0	0	0	0	4	8	0	12
Dechl. 100% J	20/0	0	0	0	0	0	0	2	0	10	12

Test Statistics	Method	NOEC
Survival	t test	100%
Reproduction	t test	100%

Test statistics	t value	Probability
Survival	0.0000	p>0.05
Reproduction	0.6306	p>0.05

Adult Mortality	Percent
Control	0.0%
100%	-450.0%

Total Young	# Young	Young per Adult
Control	201	20.1
100%	188	18.8

[A]Organisms were fed daily.
[C]Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
[D]DO = dissolved oxygen.
[E]Conductivity value is uncorrected umhos/cm.
Room Temperature range for the test period was 23.2 - 25.0°C.
Incubator #3 temperature range for the test period was 24.0 - 25.0°C.
Light Intensity during the test was 50-100 foot candles.
Photoperiod during the test was 16 hours of light : 8 hours of dark.

LIMS	
Job number 1:	TLH-2003-10-21-10-01
sample number 1:	710649
Job number 2:	TLH-2003-10-23-66-01
sample number 2:	712177
Job number 3:	TLH-2003-10-27-06
sample number 3:	712425

Data Transcription Verification
date: 2/6/04
by: James Daniels/Scott Andree

Total Resid. Cl_2	mg/L	Method
Field 100% sample 1	0.69	field meter
Field 100% sample 2	not measured	-
Field 100% sample 3	not measured	-
Lab 100% Sample 1:	0.45	Hach
Dechl. Sample 1:	0.01	Hach
Lab 100% Sample 2:	3.58	Hach
Dechl. Sample 2:	0.03	Hach
Lab 100% Sample 3:	1.76	Hach
Dechl. Sample 3:	0.02	Hach
Control water #36:	0.005	Hach
Control water # 37:	0.00	Hach

Organism:	***Ceriodaphnia dubia***		After Renewal "new sample"				Before Renewal "old sample"	
Concentration	Surrogate	Hour	pH	[C]Temp.	[D]DO (mg/L)	[E]Conductivit	pH	[D]DO
Control	A	0	8.2	24.1	8.0	160	-	-
100%			7.6	24.3	7.8	400	-	-
Control	B	24	8.3	24.5	7.7	175	8.3	7.5
100%			7.6	24.8	7.7	405	8.0	7.4
Control	C	48	8.3	24.1	7.4	190	8.3	8.3
100%			7.4	24.4	7.5	425	8.0	7.9
Control	D	72	8.1	24.3	7.5	174	7.0	7.5
100%			7.3	25.2	7.1	395	7.5	7.5
Control	E	96	7.9	24.7	6.9	171	8.1	7.0
100%			7.3	25.4	6.8	404	7.9	7.0
Control	F	120	8.3	24.3	7.4	135	8.4	7.7
100%			7.8	24.1	7.3	387	8.3	7.5
Control	G	144	8.0	25.0	7.0	170	8.2	7.2
100%			8.0	24.7	7.3	420	8.1	7.3
Control	H	168	7.4	24.5	7.8	166	8.0	7.4
100%			7.6	24.5	7.7	389	8.0	7.4
Control	I	192	-	-	-	-	8.0	8.0
100%			-	-	-	-	8.0	7.2

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water #36:	<0.017	<0.017
Control water # 37:	<0.017	<0.017
100% Sample 1:	<0.017	<0.017
100% Sample 2:	<0.017	<0.017
100% Sample 3:	<0.017	<0.017

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water # 36:	81	95
Control water # 37:	80	81
100% Sample 1:	50	48
100% Sample 2:	54	50
100% Sample 3:	56	52

Salinity[F]	ppt
Control water # 36:	<1
Control water # 37:	<1
100% Sample 1:	<1
100% Sample 2:	<1
100% Sample 3:	<1

[F]Salinity based on conductivity and temperature.

Table 1. continued Data recorded during the chronic screening bioassays of a sample of effluent from Pace Water Systems, Inc., 4401 Woodbine Road, Santa Rosa County, Pace, Florida, NPDES# FL0102202, performed from 21 to 28, October 2003.

Facility:	**Pace Water Systems, Inc.**			**NPDES #:**	**FL0102202**	Facility Type:	**Wastewater Treatment Plant**	**Analysts:**	Marshall Faircloth
Location:	4401 Woodbine Road, Pace			Contact/District:	Glenn Butts/NW				Joshua Ayres
County:	Santa Rosa			Test type:	chronic renewal screen				James Daniels
Sample #1 Collection Date:	10/20/2003	Time:	1115	# tests:	2	Receiving Water:	Class III fresh		Christa Pierini
Sample #2 Collection Date:	10/22/2003	Time:	1000	Chlorination Type:	de-chlorinated		Simpsons River		
Sample #3 Collection Date:	10/24/2003	Time:	1000						
Test Beginning Date:	10/21/2003	Time:	1400				**Page 2 of 3**		
Test Ending Date:	10/28/2003	Time:	1500	FDEP SOP#:	TA07_09			**Reviewer:**	Julie Espy

Sample 710649 dechlorinated with 0.025N Sodium Thiosulfate (0.5 ml/L of sample).
Sample 712177 dechlorinated with 0.025N Sodium Thiosulfate (4 ml/L of sample).
Sample 712425 dechlorinated with 0.025N Sodium Thiosulfate (1.9 ml/L of sample).

Organism: ***Pimephales promelas*** Life stage: < 24 hours [A]Feeding: *Artemia*
Chamber size: 1000 ml Food Batch #: 01940425G

	Sample/Diluent	Survival: Number alive							
Concentration	Volume(mL)	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
dechl 100% A	500/0	10	10	9	9	9	9	9	9
dechl 100% B	500/0	10	10	10	10	10	10	10	10
dechl 100% C	500/0	10	10	10	10	10	10	10	10
dechl 100% D	500/0	10	10	10	10	10	10	10	10

Test statistic	Method	NOEC
Survival	t test	100%

Test statistic	t test value	Probability
Survival	1.0000	p>0.05

Mortality	Percent
Control	0.0%
100%	2.5%

LIMS	
Job number 1:	TLH-2003-10-21-10-01
sample number 1:	710649
Job number 2:	TLH-2003-10-23-66-01
sample number 2:	712177
Job number 3:	TLH-2003-10-27-06
sample number 3:	712425

Data Transcription Verification
date: 2/6/04
by: James Daniels/Scott Andree

			Before Renewal				After Renewal			
Concentration	Replicate	Hour	pH	[B]Temp. (°C)	[C]DO (mg/L)	[D]Conductivity	pH	[B]Temp. (°C)	[C]DO (mg/L)	[D]Conductivity
Control	A	0	8.2	24.3	7.8	305	-	-	-	-
dechl. 100%			7.6	24.3	7.8	420	-	-	-	-
Control	B	24	8.1	25.3	7.3	310	8.2	24.8	7.8	300
dechl. 100%			7.8	24.1	7.5	430	7.5	24.8	7.8	420
Control	C	48	7.8	24.0	7.2	318	7.9	24.1	8.0	305
dechl. 100%			7.6	24.2	7.3	445	7.2	24.6	7.7	445
Control	D	72	7.5	24.1	6.4	297	7.8	24.3	6.9	293
dechl. 100%			7.2	24.7	5.6	436	7.1	25.3	7.2	428
Control	A	96	7.4	24.0	6.9	289	7.4	24.2	7.2	293
dechl. 100%			7.1	24.5	4.6	441	6.9	25.2	6.3	423
Control	B	120	7.9	24.3	6.6	302	8.0	24.4	7.2	300
dechl. 100%			7.6	24.9	6.4	415	7.6	24.1	7.0	403
Control	C	144	7.8	24.0	7.4	315	7.9	24.4	7.3	303
dechl. 100%			7.5	24.1	7.2	445	7.7	24.4	7.3	397
Control	D	168	7.0	24.0	7.3	350	-	-	-	-
dechl. 100%			7.2	25.0	7.3	430	-	-	-	-

Total Resid. Cl_2	mg/L	Method
Field 100% sample 1:	0.69	field meter
Field 100% sample 2:	not measured	-
Field 100% sample 3:	not measured	-
Lab 100% Sample 1:	0.45	Hach
Dechl. Sample 1:	0.01	Hach
Lab 100% Sample 2:	3.58	Hach
Dechl. Sample 2:	0.03	Hach
Lab 100% Sample 3:	1.76	Hach
Dechl. Sample 3:	0.02	Hach
Control Water :	0.01	Hach

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

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water:	77	86
100% Sample 1:	50	48
100% Sample 2:	54	50
100% Sample 3:	56	52

Salinity[E]	ppt
100% sample 1:	<1
100% sample 2:	<1
100% sample 3:	<1
Control:	<1

[A] Organisms were fed daily.
[B]Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 23.2 - 25.0°C.
Incubator #3 temperature range for the test period was 24.0 - 25.0°C.
[C]DO = dissolved oxygen.
dechl = dechlorinated.
Light Intensity during the test was 50-100 foot candles.
Photoperiod during the test was 16 hours of light : 8 hours of dark.
[D]Conductivity value is uncorrected umhos/cm.
[E]Salinity based on conductivity and temperature.

Table 1. concluded. Data recorded during the chronic screening bioassays of a sample of effluent from Pace Water Systems, Inc., 4401 Woodbine Road, Santa Rosa County, Pace, Florida, NPDES# FL0102202, performed from 21 to 28, October 2003.

Facility:	**Pace Water Systems, Inc.**		**NPDES #:**	**FL0102202**	Facility Type:	**Wastewater Treatment Plant**	**Analysts:** Marshall Faircloth
Location:	4401 Woodbine Road, Pace		Contact/District:	Glenn Butts/NW			Joshua Ayres
County:	Santa Rosa		Test type:	Chronic renewal screen			James Daniels
Sample #1 Collection Date:	10/20/2003	Time: 1115	# tests:	2	Receiving Water:	Class III fresh	Christa Pierini
Sample #2 Collection Date:	10/22/2003	Time: 1000	Chlorination Type:	de-chlorinated		Simpsons River	
Sample #3 Collection Date:	10/24/2003	Time: 1000					
Test Beginning Date:	10/21/2003	Time: 1400				**Page 3 of 3**	
Test Ending Date:	10/28/2003	Time: 1500	FDEP SOP#:	TA07_09			**Reviewer:** Julie Espy
Tare weighing Date:	10/27/2003						
Final weighing Date:	10/30/2003						

Test Species		**A**	**B**	**B-A**	**C**	**(B-A)/10[A]**
Pimepales promelas		Pan weight (g)	Dry weight of pan + larvae (g)	Total dry weight of larvae (g)	Initial number of larve	Mean dry weight/larva (mg)
Concentration	Rep #					
Control A	17	0.02599	0.03004	0.00414	10	0.414
Control B	18	0.02628	0.03023	0.00395	10	0.395
Control C	19	0.02630	0.03029	0.00399	10	0.399
Control D	20	0.02528	0.02897	0.00369	10	0.369
dechl. 100% A	21	0.02709	0.0302	0.00311	10	0.311
dechl. 100% B	22	0.02647	0.03053	0.00406	10	0.406
dechl. 100% C	23	0.02613	0.02938	0.00325	10	0.325
dechl. 100% D	24	0.02805	0.03187	0.00382	10	0.382

Test statistic	**Method**	**NOEC**
Biomass	t test	100%

Test statistic	**t test value**	**Probability**
Biomass	1.5602	p>0.05

[A] Mean dry weight is determined by dividing the total dry weight per replicate by the number of larve originally loaded in that replicate.

Table 2. Measured and predicted algal growth potential (AGP) for total soluble nitrogen (TSIN) limitation for the sample of effluent collected from the Pace Water Systems, Inc., WWTF on October 20,2003.

Location	AGP (measured)	Predicted AGP (TSIN) ± 20%	Inorganic N:P ratio
Effluent Samples	104	80.83 ± 16.166	5.45

Table 3. Effluent limits, Class III Criteria and chemical data from samples collected from the Pace Water Systems, Inc., WWTF on October 20, 22, and 24, 2003.

Pace Water Systems, Inc., Wastewater Treatment Facility	Class III Freshwater Stds	Effluent Samples 10/20/03	Effluent Samples 10/22/03	Effluent Samples 10/24/03
Organic Constituents (µg/L)				
Atrazine	-	-	0.077 I	0.051 I
Metals (µg/L unless otherwise noted)				
Aluminum	-	29	17 I	20 I
Arsenic	≤ 50	6 U	6 U	6 U
Cadmium	≤ 0.7 b	0.076 I	0.063 I	0.061 I
Calcium (mg/L)	-	17.4	17.2	17 A
Chromium-III	≤ 49.9 b	3 U	3 U	3 U
Copper	≤ 5.3 b	14.2	12.9	12.1 A
Iron	≤ 1000	137	118	121 A
Lead	≤ 1.4 b	0.33	0.19 I	0.2 I
Magnesium (mg/L)	-	1.9	1.8	1.9 A
Nickel	≤ 29.6 b	3 U	3 U	3 U
Selenium	≤ 5	1 U	1 U	1 U
Silver	≤ 0.07	0.042 I	0.032 I	0.035 I
Zinc	≤ 68 b	58	45	51 A
Nutrients (mg/L)				
Ortho-phosphate	-	0.39	-	-
Total Phosphorus	-	0.49	-	-
Ammonia	-	0.027	-	-
Unionized Ammonia	≤ 0.02	<0.02 c	<0.02 c	<0.02 c
Nitrate+Nitrite	-	2.1	-	-
Total Kjeldahl Nitrogen	-	0.67	-	-
Organic Nitrogen	-	0.64 c	-	-
Total Nitrogen	-	2.77 c	-	-
General Physical and Chemical Parameters				
Dissolved Oxygen (mg/L)	≥ 5	7.8	6.9	7
pH (S.U.)	6.0 - 8.5	6.6	6.5	6.3
Conductivity (umhos/cm)	≤ 1275	402.2	406.5	402.3
Temperature (C)	-	23.2	23.5	23.4
Hardness (mg/L)	-	51.3 c	50.4 c	50.3 c
AGP (mg DryWt/L)	-	104	-	-
Total Residual Chlorine (mg/L) (field)	≤ 0.01	0.69	-	-
Total Residual Chlorine (mg/L) (lab)	≤ 0.01	0.45	3.58	1.76

A - Value reported is the mean of two or more determinations.
b - Value based on hardness as CaCO3.
c - Calculated value.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U - Material was analyzed for but not detected. The value reported is the minimum detection limit.

Appendix 1. Chemical Analyses performed on the effluent from the Pace Water Systems, Inc. sampled on October 20, 22, & 24, 2003.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
10/20/2003 7:00	FIELD BLK	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	1,2,4-Trichlorobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	1,2-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	1,3,5-Trinitrobenzene	3.9	ug/L	U	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	1,3-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	1,3-Dinitrobenzene	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	1,4-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	1,4-Naphthoquinone	20	ug/L	U	20	78
10/20/2003 7:00	FIELD BLK	BNA-Water	1-Naphthylamine	9.8	ug/L	U	9.8	39
10/20/2003 7:00	FIELD BLK	BNA-Water	2,3,4,6-Tetrachlorophenol	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	2,4,5-Trichlorophenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2,4,6-Trichlorophenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2,4-Dichlorophenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2,4-Dimethylphenol	49	ug/L	U	49	200
10/20/2003 7:00	FIELD BLK	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	59
10/20/2003 7:00	FIELD BLK	BNA-Water	2,4-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2,6-Dichlorophenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2,6-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Acetylaminofluorene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Chloronaphthalene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Chlorophenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Methylnaphthalene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Naphthylamine	9.8	ug/L	U	9.8	39
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Nitroaniline	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Nitrophenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	2-Picoline	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	3,3'-Dichlorobenzidine	39	ug/L	U	39	160
10/20/2003 7:00	FIELD BLK	BNA-Water	3,3'-Dimethylbenzidine	20	ug/L	UJ	20	78
10/20/2003 7:00	FIELD BLK	BNA-Water	3-Methylcholanthrene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	3-Nitroaniline	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4-Aminobiphenyl	3.9	ug/L	U	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	4-Bromophenyl phenyl ether	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4-Chloro-3-methylphenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4-Chloroaniline	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	4-Nitroaniline	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	4-Nitrophenol	15	ug/L	U	15	59
10/20/2003 7:00	FIELD BLK	BNA-Water	5-Nitro-o-toluidine	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Acenaphthene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Acenaphthylene	0.98	ug/L	UJ	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Acetophenone	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Aldrin	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Aniline	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Anthracene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Benzidine	98	ug/L	U	98	390
10/20/2003 7:00	FIELD BLK	BNA-Water	Benzo(a)anthracene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Benzo(a)pyrene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Benzo(b)fluoranthene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Benzo(g,h,i)perylene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Benzo(k)fluoranthene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Benzyl alcohol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Bis(2-chloroethoxy)methane	0.98	ug/L	UJ	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Bis(2-chloroethyl)ether	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	59
10/20/2003 7:00	FIELD BLK	BNA-Water	Butyl benzyl phthalate	4.9	ug/L	U	4.9	20
10/20/2003 7:00	FIELD BLK	BNA-Water	Chrysene	0.98	ug/L	U	0.98	3.9

10/20/2003 7:00	FIELD BLK	BNA-Water	Di-n-butyl phthalate	4.9	ug/L	U	4.9	20
10/20/2003 7:00	FIELD BLK	BNA-Water	Di-n-octyl phthalate	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Dibenzo(a,h)anthracene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Dibenzofuran	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Diethyl phthalate	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Dimethyl phthalate	49	ug/L	U	49	200
10/20/2003 7:00	FIELD BLK	BNA-Water	Dimethylaminoazobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Dinoseb	3.9	ug/L	U	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	Endosulfan I	3.9	ug/L	U	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	Endosulfan II	3.9	ug/L	U	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Endrin	1.5	ug/L	UJ	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Endrin aldehyde	3.9	ug/L	U	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	Ethyl methanesulfonate	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Fluoranthene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Fluorene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Hexachlorobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	Hexachloropropene	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Isophorone	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Isosafrole	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Methapyrilene	3.9	ug/L	U	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	Methyl methanesulfonate	0.98	ug/L	UJ	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosodi-n-butylamine	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosodiethylamine	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosomethylethylamine	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosomorpholine	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosopiperidine	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	N-Nitrosopyrrolidine	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	Naphthalene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Nitrobenzene	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	Nitroquinoline-1-oxide	20	ug/L	UJ	20	78
10/20/2003 7:00	FIELD BLK	BNA-Water	Pentachlorobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Pentachloroethane	49	ug/L	U	49	200
10/20/2003 7:00	FIELD BLK	BNA-Water	Pentachloronitrobenzene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	Phenacetin	3.9	ug/L	U	3.9	12
10/20/2003 7:00	FIELD BLK	BNA-Water	Phenanthrene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Phenol	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Pyrene	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	Pyridine	3.9	ug/L	UJ	3.9	16
10/20/2003 7:00	FIELD BLK	BNA-Water	Safrole	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	5.9
10/20/2003 7:00	FIELD BLK	BNA-Water	m,p-Cresols	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	o-Cresol	2	ug/L	U	2	7.8
10/20/2003 7:00	FIELD BLK	BNA-Water	o-Toluidine	0.98	ug/L	U	0.98	3.9
10/20/2003 7:00	FIELD BLK	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
10/20/2003 7:00	FIELD BLK	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
10/20/2003 7:00	FIELD BLK	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
10/20/2003 7:00	FIELD BLK	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	GC-Water	Chlorpyrifos Methyl	0.097	ug/L	U	0.097	0.388

10/20/2003 7:00	FIELD BLK	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	GC-Water	Ethoprop	0.097	ug/L	U	0.097	0.388
10/20/2003 7:00	FIELD BLK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
10/20/2003 7:00	FIELD BLK	GC-Water	Fonofos	0.097	ug/L	U	0.097	0.388
10/20/2003 7:00	FIELD BLK	GC-Water	Hexazinone	0.097	ug/L	U	0.097	0.388
10/20/2003 7:00	FIELD BLK	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
10/20/2003 7:00	FIELD BLK	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
10/20/2003 7:00	FIELD BLK	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
10/20/2003 7:00	FIELD BLK	GC-Water	Metribuzin	0.097	ug/L	U	0.097	0.388
10/20/2003 7:00	FIELD BLK	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19	0.76
10/20/2003 7:00	FIELD BLK	GC-Water	Naled	0.78	ug/L	U	0.78	3.12
10/20/2003 7:00	FIELD BLK	GC-Water	Norflurazon	0.097	ug/L	U	0.097	0.388
10/20/2003 7:00	FIELD BLK	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
10/20/2003 7:00	FIELD BLK	GC-Water	Parathion Methyl	0.097	ug/L	U	0.097	0.388
10/20/2003 7:00	FIELD BLK	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
10/20/2003 7:00	FIELD BLK	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
10/20/2003 7:00	FIELD BLK	Metals-Water	Aluminum	15	ug/L	I	7	28
10/20/2003 7:00	FIELD BLK	Metals-Water	Arsenic	6	ug/L	U	6	24
10/20/2003 7:00	FIELD BLK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
10/20/2003 7:00	FIELD BLK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
10/20/2003 7:00	FIELD BLK	Metals-Water	Chromium	3	ug/L	U	3	12
10/20/2003 7:00	FIELD BLK	Metals-Water	Copper	1	ug/L	U	1	4
10/20/2003 7:00	FIELD BLK	Metals-Water	Iron	15	ug/L	U	15	60
10/20/2003 7:00	FIELD BLK	Metals-Water	Lead	0.076	ug/L	I	0.05	0.2
10/20/2003 7:00	FIELD BLK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
10/20/2003 7:00	FIELD BLK	Metals-Water	Nickel	3	ug/L	U	3	12
10/20/2003 7:00	FIELD BLK	Metals-Water	Selenium	1	ug/L	U	1	4
10/20/2003 7:00	FIELD BLK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
10/20/2003 7:00	FIELD BLK	Metals-Water	Zinc	4	ug/L	U	4	16
10/20/2003 7:00	FIELD BLK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
10/20/2003 7:00	FIELD BLK	Nutrients-Liquid	NO2NO3-N	0.007	mg N/L	I	0.004	0.01
10/20/2003 7:00	FIELD BLK	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
10/20/2003 7:00	FIELD BLK	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
10/20/2003 7:00	FIELD BLK	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
10/20/2003 11:15	# 1	BNA-Water	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	1,2,4-Trichlorobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	1,2-Dichlorobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	1,3,5-Trinitrobenzene	4.5	ug/L	U	4.5	18
10/20/2003 11:15	# 1	BNA-Water	1,3-Dichlorobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	1,3-Dinitrobenzene	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	1,4-Dichlorobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	1,4-Naphthoquinone	22	ug/L	U	22	90
10/20/2003 11:15	# 1	BNA-Water	1-Naphthylamine	11	ug/L	U	11	45
10/20/2003 11:15	# 1	BNA-Water	2,3,4,6-Tetrachlorophenol	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	2,4,5-Trichlorophenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2,4,6-Trichlorophenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2,4-Dichlorophenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2,4-Dimethylphenol	56	ug/L	U	56	220
10/20/2003 11:15	# 1	BNA-Water	2,4-Dinitrophenol	17	ug/L	U	17	67
10/20/2003 11:15	# 1	BNA-Water	2,4-Dinitrotoluene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2,6-Dichlorophenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2,6-Dinitrotoluene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2-Acetylaminofluorene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2-Chloronaphthalene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2-Chlorophenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2-Methyl-4,6-dinitrophenol	3.4	ug/L	U	3.4	13
10/20/2003 11:15	# 1	BNA-Water	2-Methylnaphthalene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2-Naphthylamine	11	ug/L	U	11	45
10/20/2003 11:15	# 1	BNA-Water	2-Nitroaniline	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2-Nitrophenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	2-Picoline	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	3,3'-Dichlorobenzidine	45	ug/L	U	45	180
10/20/2003 11:15	# 1	BNA-Water	3,3'-Dimethylbenzidine	22	ug/L	UJ	22	90
10/20/2003 11:15	# 1	BNA-Water	3-Methylcholanthrene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	3-Nitroaniline	1.1	ug/L	U	1.1	4.5

10/20/2003 11:15	# 1	BNA-Water	4,4'-DDD	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	4,4'-DDE	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	4,4'-DDT	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	4-Aminobiphenyl	4.5	ug/L	U	4.5	18
10/20/2003 11:15	# 1	BNA-Water	4-Bromophenyl phenyl ether	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	4-Chloro-3-methylphenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	4-Chloroaniline	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	4-Chlorophenyl phenyl ether	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	4-Nitroaniline	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	4-Nitrophenol	17	ug/L	U	17	67
10/20/2003 11:15	# 1	BNA-Water	5-Nitro-o-toluidine	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	7,12-Dimethylbenz(a)anthracene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Acenaphthene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Acenaphthylene	1.1	ug/L	UJ	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Acetophenone	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Aldrin	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	Aniline	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Anthracene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Benzidine	110	ug/L	U	110	450
10/20/2003 11:15	# 1	BNA-Water	Benzo(a)anthracene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Benzo(a)pyrene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Benzo(b)fluoranthene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Benzo(g,h,i)perylene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Benzo(k)fluoranthene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Benzyl alcohol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Bis(2-chloroethoxy)methane	1.1	ug/L	UJ	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Bis(2-chloroethyl)ether	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Bis(2-chloroisopropyl)ether	3.4	ug/L	U	3.4	13
10/20/2003 11:15	# 1	BNA-Water	Bis(2-ethylhexyl)phthalate	17	ug/L	U	17	67
10/20/2003 11:15	# 1	BNA-Water	Butyl benzyl phthalate	5.6	ug/L	U	5.6	22
10/20/2003 11:15	# 1	BNA-Water	Chrysene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Di-n-butyl phthalate	5.6	ug/L	U	5.6	22
10/20/2003 11:15	# 1	BNA-Water	Di-n-octyl phthalate	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Dibenzo(a,h)anthracene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Dibenzofuran	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Dieldrin	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	Diethyl phthalate	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Dimethyl phthalate	56	ug/L	U	56	220
10/20/2003 11:15	# 1	BNA-Water	Dimethylaminoazobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Dinoseb	4.5	ug/L	U	4.5	18
10/20/2003 11:15	# 1	BNA-Water	Diphenylamine	3.4	ug/L	U	3.4	13
10/20/2003 11:15	# 1	BNA-Water	Endosulfan I	4.5	ug/L	U	4.5	18
10/20/2003 11:15	# 1	BNA-Water	Endosulfan II	4.5	ug/L	U	4.5	18
10/20/2003 11:15	# 1	BNA-Water	Endosulfan sulfate	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	Endrin	1.7	ug/L	UJ	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	Endrin aldehyde	4.5	ug/L	U	4.5	18
10/20/2003 11:15	# 1	BNA-Water	Ethyl methanesulfonate	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Fluoranthene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Fluorene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Heptachlor	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	Heptachlor epoxide	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	Hexachlorobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Hexachlorobutadiene	3.4	ug/L	U	3.4	13
10/20/2003 11:15	# 1	BNA-Water	Hexachlorocyclopentadiene	3.4	ug/L	U	3.4	13
10/20/2003 11:15	# 1	BNA-Water	Hexachloroethane	3.4	ug/L	U	3.4	13
10/20/2003 11:15	# 1	BNA-Water	Hexachloropropene	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	Indeno(1,2,3-cd)pyrene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Isophorone	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Isosafrole	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Methapyrilene	4.5	ug/L	U	4.5	18
10/20/2003 11:15	# 1	BNA-Water	Methyl methanesulfonate	1.1	ug/L	UJ	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosodi-n-butylamine	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosodi-n-propylamine	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosodiethylamine	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosodimethylamine	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosodiphenylamine	3.4	ug/L	U	3.4	13

10/20/2003 11:15	# 1	BNA-Water	N-Nitrosomethylethylamine	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosomorpholine	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosopiperidine	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	N-Nitrosopyrrolidine	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	Naphthalene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Nitrobenzene	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	Nitroquinoline-1-oxide	22	ug/L	UJ	22	90
10/20/2003 11:15	# 1	BNA-Water	Pentachlorobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Pentachloroethane	56	ug/L	U	56	220
10/20/2003 11:15	# 1	BNA-Water	Pentachloronitrobenzene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Pentachlorophenol	3.4	ug/L	U	3.4	13
10/20/2003 11:15	# 1	BNA-Water	Phenacetin	4.5	ug/L	U	4.5	13
10/20/2003 11:15	# 1	BNA-Water	Phenanthrene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Phenol	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Pyrene	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	Pyridine	4.5	ug/L	UJ	4.5	18
10/20/2003 11:15	# 1	BNA-Water	Safrole	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	BNA-Water	alpha-BHC	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	beta-BHC	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	delta-BHC	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	gamma-BHC	1.7	ug/L	U	1.7	6.7
10/20/2003 11:15	# 1	BNA-Water	m,p-Cresols	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	o-Cresol	2.2	ug/L	U	2.2	9
10/20/2003 11:15	# 1	BNA-Water	o-Toluidine	1.1	ug/L	U	1.1	4.5
10/20/2003 11:15	# 1	Bio-AGP/LimNut	Algal Growth Potential	104	mg DryWt/L		0.1	0.3
10/20/2003 11:15	# 1	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
10/20/2003 11:15	# 1	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
10/20/2003 11:15	# 1	Bio-Toxicology	Bioassay-Chronic-Scrn-FW-C.dubia, NOEC	100	NOEC			
10/20/2003 11:15	# 1	Bio-Toxicology	Bioassay-Chronic-Scrn-FW-Fish, NOEC	100	NOEC			
10/20/2003 11:15	# 1	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
10/20/2003 11:15	# 1	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	GC-Water	Atrazine	0.1	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
10/20/2003 11:15	# 1	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
10/20/2003 11:15	# 1	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	GC-Water	Chlorpyrifos Methyl	0.096	ug/L	U	0.096	0.384
10/20/2003 11:15	# 1	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	GC-Water	Ethoprop	0.096	ug/L	U	0.096	0.384
10/20/2003 11:15	# 1	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
10/20/2003 11:15	# 1	GC-Water	Fonofos	0.096	ug/L	U	0.096	0.384
10/20/2003 11:15	# 1	GC-Water	Hexazinone	0.096	ug/L	U	0.096	0.384
10/20/2003 11:15	# 1	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
10/20/2003 11:15	# 1	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
10/20/2003 11:15	# 1	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
10/20/2003 11:15	# 1	GC-Water	Metribuzin	0.096	ug/L	U	0.096	0.384
10/20/2003 11:15	# 1	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19	0.76
10/20/2003 11:15	# 1	GC-Water	Naled	0.77	ug/L	U	0.77	3.08
10/20/2003 11:15	# 1	GC-Water	Norflurazon	0.096	ug/L	U	0.096	0.384
10/20/2003 11:15	# 1	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
10/20/2003 11:15	# 1	GC-Water	Parathion Methyl	0.096	ug/L	U	0.096	0.384
10/20/2003 11:15	# 1	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
10/20/2003 11:15	# 1	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
10/20/2003 11:15	# 1	Metals-Water	Aluminum	29	ug/L		7	28
10/20/2003 11:15	# 1	Metals-Water	Arsenic	6	ug/L	U	6	24
10/20/2003 11:15	# 1	Metals-Water	Cadmium	0.076	ug/L	I	0.025	0.1
10/20/2003 11:15	# 1	Metals-Water	Calcium	17.4	mg/L		0.05	0.2
10/20/2003 11:15	# 1	Metals-Water	Chromium	3	ug/L	U	3	12
10/20/2003 11:15	# 1	Metals-Water	Copper	14.2	ug/L		1	4
10/20/2003 11:15	# 1	Metals-Water	Iron	137	ug/L		15	60
10/20/2003 11:15	# 1	Metals-Water	Lead	0.33	ug/L		0.05	0.2
10/20/2003 11:15	# 1	Metals-Water	Magnesium	1.9	mg/L		0.02	0.08
10/20/2003 11:15	# 1	Metals-Water	Nickel	3	ug/L	U	3	12
10/20/2003 11:15	# 1	Metals-Water	Selenium	1	ug/L	U	1	4
10/20/2003 11:15	# 1	Metals-Water	Silver	0.042	ug/L	I	0.02	0.08

10/20/2003 11:15	# 1	Metals-Water	Zinc	58	ug/L		4	16
10/20/2003 11:15	# 1	Nutrients-Liquid	Ammonia-N	0.027	mg N/L		0.01	0.02
10/20/2003 11:15	# 1	Nutrients-Liquid	NO2NO3-N	2.1	mg N/L		0.04	0.1
10/20/2003 11:15	# 1	Nutrients-Liquid	N_KJEL_TOT	0.67	mg N/L		0.06	0.2
10/20/2003 11:15	# 1	Nutrients-Liquid	O-Phosphate-P	0.39	mg P/L		0.024	0.06
10/20/2003 11:15	# 1	Nutrients-Liquid	Total-P	0.49	mg P/L		0.02	0.06
10/20/2003 7:00	FIELD BLK	Nutrients-Liquid	Ammonia-N		mg N/L		0.01	0.02
10/20/2003 11:15	# 1	Nutrients-Liquid	Ammonia-N		mg N/L		0.01	0.02
10/22/2003 10:00	# 2	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
10/22/2003 10:00	# 2	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	76
10/22/2003 10:00	# 2	BNA-Water	1-Naphthylamine	9.5	ug/L	U	9.5	38
10/22/2003 10:00	# 2	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	2,4,5-Trichlorophenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
10/22/2003 10:00	# 2	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
10/22/2003 10:00	# 2	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2,6-Dichlorophenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2-Acetylaminofluorene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	2-Methylnaphthalene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2-Naphthylamine	9.5	ug/L	U	9.5	38
10/22/2003 10:00	# 2	BNA-Water	2-Nitroaniline	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	2-Picoline	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
10/22/2003 10:00	# 2	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	UJ	19	76
10/22/2003 10:00	# 2	BNA-Water	3-Methylcholanthrene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	3-Nitroaniline	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
10/22/2003 10:00	# 2	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	4-Chloroaniline	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	4-Nitroaniline	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
10/22/2003 10:00	# 2	BNA-Water	5-Nitro-o-toluidine	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Acenaphthylene	0.95	ug/L	UJ	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Acetophenone	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	Aniline	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Benzidine	95	ug/L	U	95	380
10/22/2003 10:00	# 2	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Benzyl alcohol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	UJ	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8

10/22/2003 10:00	# 2	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
10/22/2003 10:00	# 2	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
10/22/2003 10:00	# 2	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
10/22/2003 10:00	# 2	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Dibenzofuran	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
10/22/2003 10:00	# 2	BNA-Water	Dimethylaminoazobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
10/22/2003 10:00	# 2	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
10/22/2003 10:00	# 2	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
10/22/2003 10:00	# 2	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	Endrin	1.4	ug/L	UJ	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
10/22/2003 10:00	# 2	BNA-Water	Ethyl methanesulfonate	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Isosafrole	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
10/22/2003 10:00	# 2	BNA-Water	Methyl methanesulfonate	0.95	ug/L	UJ	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosodi-n-butylamine	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosodiethylamine	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosomorpholine	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosopiperidine	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	UJ	19	76
10/22/2003 10:00	# 2	BNA-Water	Pentachlorobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
10/22/2003 10:00	# 2	BNA-Water	Pentachloronitrobenzene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
10/22/2003 10:00	# 2	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
10/22/2003 10:00	# 2	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	Pyridine	3.8	ug/L	UJ	3.8	15
10/22/2003 10:00	# 2	BNA-Water	Safrole	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
10/22/2003 10:00	# 2	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.6
10/22/2003 10:00	# 2	BNA-Water	o-Toluidine	0.95	ug/L	U	0.95	3.8
10/22/2003 10:00	# 2	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
10/22/2003 10:00	# 2	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
10/22/2003 10:00	# 2	GC-Water	Atrazine	0.077	ug/L	I	0.048	0.192
10/22/2003 10:00	# 2	GC-Water	Azinphos Methyl	0.048	ug/L	UJ	0.048	0.192

10/22/2003 10:00	# 2	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
10/22/2003 10:00	# 2	GC-Water	Butylate	0.19	ug/L	UJ	0.19	0.76
10/22/2003 10:00	# 2	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
10/22/2003 10:00	# 2	GC-Water	Chlorpyrifos Methyl	0.096	ug/L	U	0.096	0.384
10/22/2003 10:00	# 2	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
10/22/2003 10:00	# 2	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
10/22/2003 10:00	# 2	GC-Water	Ethoprop	0.096	ug/L	U	0.096	0.384
10/22/2003 10:00	# 2	GC-Water	Fenamiphos	0.19	ug/L	UJ	0.19	0.76
10/22/2003 10:00	# 2	GC-Water	Fonofos	0.096	ug/L	UJ	0.096	0.384
10/22/2003 10:00	# 2	GC-Water	Hexazinone	0.096	ug/L	U	0.096	0.384
10/22/2003 10:00	# 2	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
10/22/2003 10:00	# 2	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
10/22/2003 10:00	# 2	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
10/22/2003 10:00	# 2	GC-Water	Metribuzin	0.096	ug/L	UJ	0.096	0.384
10/22/2003 10:00	# 2	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19	0.76
10/22/2003 10:00	# 2	GC-Water	Naled	0.77	ug/L	U	0.77	3.08
10/22/2003 10:00	# 2	GC-Water	Norflurazon	0.096	ug/L	U	0.096	0.384
10/22/2003 10:00	# 2	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
10/22/2003 10:00	# 2	GC-Water	Parathion Methyl	0.096	ug/L	U	0.096	0.384
10/22/2003 10:00	# 2	GC-Water	Phorate	0.048	ug/L	UJ	0.048	0.192
10/22/2003 10:00	# 2	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
10/22/2003 10:00	# 2	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
10/22/2003 10:00	# 2	Metals-Water	Aluminum	17	ug/L	I	7	28
10/22/2003 10:00	# 2	Metals-Water	Arsenic	6	ug/L	U	6	24
10/22/2003 10:00	# 2	Metals-Water	Cadmium	0.063	ug/L	I	0.025	0.1
10/22/2003 10:00	# 2	Metals-Water	Calcium	17.2	mg/L		0.05	0.2
10/22/2003 10:00	# 2	Metals-Water	Chromium	3	ug/L	U	3	12
10/22/2003 10:00	# 2	Metals-Water	Copper	12.9	ug/L		1	4
10/22/2003 10:00	# 2	Metals-Water	Iron	118	ug/L		15	60
10/22/2003 10:00	# 2	Metals-Water	Lead	0.19	ug/L	I	0.05	0.2
10/22/2003 10:00	# 2	Metals-Water	Magnesium	1.8	mg/L		0.02	0.08
10/22/2003 10:00	# 2	Metals-Water	Nickel	3	ug/L	U	3	12
10/22/2003 10:00	# 2	Metals-Water	Selenium	1	ug/L	U	1	4
10/22/2003 10:00	# 2	Metals-Water	Silver	0.032	ug/L	I	0.02	0.08
10/22/2003 10:00	# 2	Metals-Water	Zinc	45	ug/L		4	16
10/24/2003 10:00	#3	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	1,2,4-Trichlorobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	1,2-Dichlorobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	UQ	3.8	15
10/24/2003 10:00	#3	BNA-Water	1,3-Dichlorobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	1,4-Dichlorobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	1,4-Naphthoquinone	19	ug/L	UQ	19	77
10/24/2003 10:00	#3	BNA-Water	1-Naphthylamine	9.6	ug/L	UQJ	9.6	38
10/24/2003 10:00	#3	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	UQJ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	2,4,5-Trichlorophenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2,4,6-Trichlorophenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2,4-Dichlorophenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2,4-Dimethylphenol	48	ug/L	UQ	48	190
10/24/2003 10:00	#3	BNA-Water	2,4-Dinitrophenol	14	ug/L	UQ	14	58
10/24/2003 10:00	#3	BNA-Water	2,4-Dinitrotoluene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2,6-Dichlorophenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2,6-Dinitrotoluene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2-Acetylaminofluorene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2-Chloronaphthalene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2-Chlorophenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	UQ	2.9	12
10/24/2003 10:00	#3	BNA-Water	2-Methylnaphthalene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2-Naphthylamine	9.6	ug/L	UQ	9.6	38
10/24/2003 10:00	#3	BNA-Water	2-Nitroaniline	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2-Nitrophenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	2-Picoline	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	UQ	38	150
10/24/2003 10:00	#3	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	UQ	19	77
10/24/2003 10:00	#3	BNA-Water	3-Methylcholanthrene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	3-Nitroaniline	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	4,4'-DDD	1.4	ug/L	UQ	1.4	5.8

10/24/2003 10:00	#3	BNA-Water	4,4'-DDE	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	4,4'-DDT	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	4-Aminobiphenyl	3.8	ug/L	UQJ	3.8	15
10/24/2003 10:00	#3	BNA-Water	4-Bromophenyl phenyl ether	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	4-Chloro-3-methylphenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	4-Chloroaniline	0.96	ug/L	UQJ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	4-Nitroaniline	0.96	ug/L	UQJ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	4-Nitrophenol	14	ug/L	UQ	14	58
10/24/2003 10:00	#3	BNA-Water	5-Nitro-o-toluidine	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Acenaphthene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Acenaphthylene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Acetophenone	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Aldrin	1.4	ug/L	UQJ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	Aniline	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Anthracene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Benzidine	96	ug/L	UQ	96	380
10/24/2003 10:00	#3	BNA-Water	Benzo(a)anthracene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Benzo(a)pyrene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Benzo(b)fluoranthene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Benzo(g,h,i)perylene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Benzo(k)fluoranthene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Benzyl alcohol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Bis(2-chloroethoxy)methane	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Bis(2-chloroethyl)ether	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	UQ	2.9	12
10/24/2003 10:00	#3	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	UQ	14	58
10/24/2003 10:00	#3	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	UQ	4.8	19
10/24/2003 10:00	#3	BNA-Water	Chrysene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	UQ	4.8	19
10/24/2003 10:00	#3	BNA-Water	Di-n-octyl phthalate	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Dibenzo(a,h)anthracene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Dibenzofuran	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Dieldrin	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	Diethyl phthalate	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Dimethyl phthalate	48	ug/L	UQ	48	190
10/24/2003 10:00	#3	BNA-Water	Dimethylaminoazobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Dinoseb	3.8	ug/L	UQJ	3.8	15
10/24/2003 10:00	#3	BNA-Water	Diphenylamine	2.9	ug/L	UQ	2.9	12
10/24/2003 10:00	#3	BNA-Water	Endosulfan I	3.8	ug/L	UQ	3.8	15
10/24/2003 10:00	#3	BNA-Water	Endosulfan II	3.8	ug/L	UQ	3.8	15
10/24/2003 10:00	#3	BNA-Water	Endosulfan sulfate	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	Endrin	1.4	ug/L	UQJ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	Endrin aldehyde	3.8	ug/L	UQ	3.8	15
10/24/2003 10:00	#3	BNA-Water	Ethyl methanesulfonate	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Fluoranthene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Fluorene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Heptachlor	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	Heptachlor epoxide	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	Hexachlorobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Hexachlorobutadiene	2.9	ug/L	UQ	2.9	12
10/24/2003 10:00	#3	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	UQJ	2.9	12
10/24/2003 10:00	#3	BNA-Water	Hexachloroethane	2.9	ug/L	UQ	2.9	12
10/24/2003 10:00	#3	BNA-Water	Hexachloropropene	1.9	ug/L	UQJ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	Indeno(1,2,3-cd)pyrene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Isophorone	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Isosafrole	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Methapyrilene	3.8	ug/L	UQ	3.8	15
10/24/2003 10:00	#3	BNA-Water	Methyl methanesulfonate	0.96	ug/L	UQJ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	N-Nitrosodi-n-butylamine	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	N-Nitrosodiethylamine	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	UQJ	2.9	12
10/24/2003 10:00	#3	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	UQ	1.9	7.7

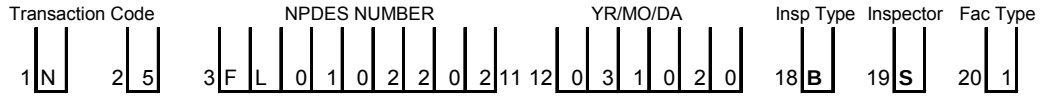
10/24/2003 10:00	#3	BNA-Water	N-Nitrosomorpholine	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	N-Nitrosopiperidine	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	Naphthalene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Nitrobenzene	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	UQJ	19	77
10/24/2003 10:00	#3	BNA-Water	Pentachlorobenzene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Pentachloroethane	48	ug/L	UQ	48	190
10/24/2003 10:00	#3	BNA-Water	Pentachloronitrobenzene	0.96	ug/L	UQJ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Pentachlorophenol	2.9	ug/L	UQJ	2.9	12
10/24/2003 10:00	#3	BNA-Water	Phenacetin	3.8	ug/L	UQ	3.8	12
10/24/2003 10:00	#3	BNA-Water	Phenanthrene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Phenol	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Pyrene	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	Pyridine	3.8	ug/L	UQ	3.8	15
10/24/2003 10:00	#3	BNA-Water	Safrole	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	BNA-Water	alpha-BHC	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	beta-BHC	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	delta-BHC	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	gamma-BHC	1.4	ug/L	UQ	1.4	5.8
10/24/2003 10:00	#3	BNA-Water	m,p-Cresols	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	o-Cresol	1.9	ug/L	UQ	1.9	7.7
10/24/2003 10:00	#3	BNA-Water	o-Toluidine	0.96	ug/L	UQ	0.96	3.8
10/24/2003 10:00	#3	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
10/24/2003 10:00	#3	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
10/24/2003 10:00	#3	GC-Water	Atrazine	0.051	ug/L	I	0.048	0.192
10/24/2003 10:00	#3	GC-Water	Azinphos Methyl	0.048	ug/L	UJ	0.048	0.192
10/24/2003 10:00	#3	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
10/24/2003 10:00	#3	GC-Water	Butylate	0.19	ug/L	UJ	0.19	0.76
10/24/2003 10:00	#3	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
10/24/2003 10:00	#3	GC-Water	Chlorpyrifos Methyl	0.097	ug/L	U	0.097	0.388
10/24/2003 10:00	#3	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
10/24/2003 10:00	#3	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
10/24/2003 10:00	#3	GC-Water	Ethoprop	0.097	ug/L	U	0.097	0.388
10/24/2003 10:00	#3	GC-Water	Fenamiphos	0.19	ug/L	UJ	0.19	0.76
10/24/2003 10:00	#3	GC-Water	Fonofos	0.097	ug/L	UJ	0.097	0.388
10/24/2003 10:00	#3	GC-Water	Hexazinone	0.097	ug/L	U	0.097	0.388
10/24/2003 10:00	#3	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
10/24/2003 10:00	#3	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
10/24/2003 10:00	#3	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
10/24/2003 10:00	#3	GC-Water	Metribuzin	0.097	ug/L	UJ	0.097	0.388
10/24/2003 10:00	#3	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19	0.76
10/24/2003 10:00	#3	GC-Water	Naled	0.78	ug/L	U	0.78	3.12
10/24/2003 10:00	#3	GC-Water	Norflurazon	0.097	ug/L	U	0.097	0.388
10/24/2003 10:00	#3	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
10/24/2003 10:00	#3	GC-Water	Parathion Methyl	0.097	ug/L	U	0.097	0.388
10/24/2003 10:00	#3	GC-Water	Phorate	0.055	ug/L	UJ	0.048	0.192
10/24/2003 10:00	#3	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
10/24/2003 10:00	#3	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
10/24/2003 10:00	#3	Metals-Water	Aluminum	20	ug/L	I	7	28
10/24/2003 10:00	#3	Metals-Water	Arsenic	6	ug/L	U	6	24
10/24/2003 10:00	#3	Metals-Water	Cadmium	0.061	ug/L	I	0.025	0.1
10/24/2003 10:00	#3	Metals-Water	Calcium	17	mg/L	A	0.05	0.2
10/24/2003 10:00	#3	Metals-Water	Chromium	3	ug/L	U	3	12
10/24/2003 10:00	#3	Metals-Water	Copper	12.1	ug/L	A	1	4
10/24/2003 10:00	#3	Metals-Water	Iron	121	ug/L	A	15	60
10/24/2003 10:00	#3	Metals-Water	Lead	0.2	ug/L	I	0.05	0.2
10/24/2003 10:00	#3	Metals-Water	Magnesium	1.9	mg/L	A	0.02	0.08
10/24/2003 10:00	#3	Metals-Water	Nickel	3	ug/L	U	3	12
10/24/2003 10:00	#3	Metals-Water	Selenium	1	ug/L	U	1	4
10/24/2003 10:00	#3	Metals-Water	Silver	0.035	ug/L	I	0.02	0.08
10/24/2003 10:00	#3	Metals-Water	Zinc	51	ug/L	A	4	16

Appendix 2. Pace Water Systems, Inc. Monitoring Data.

Monitoring Date	Parameter Description	Data	Limit	Statistical Base	Units
9/30/1999	COLIFORM, FECAL GENERAL	1	0	75TH %	#/ 100ML
3/31/2000	NITROGEN, AMMONIA TOTAL (AS N)	5.31	2.0	MO AVG	MG/L
11/30/2000	SOLIDS, TOTAL SUSPENDED	31.4	10.0	ANNL AVG	MG/L
6/30/2001	AMMONIA, UNIONIZED	.17	0.02	ANNL AVG	MG/L
7/31/2001	NOEL STATRE 7DAY CHR CERIODAPHNIA	<100	100	MINIMUM	PER-CENT
7/31/2001	NOEL STATRE 7DAY CHR CERIODAPHNIA	<100	100	MINIMUM	PER-CENT
10/31/2001	CHLORINE, TOTAL RESIDUAL	0	1.0	MINIMUM	MG/L
3/31/2002	FLOW	2.89	1.0	ANNL AVG	MGD
6/30/2002	FLOW	2.84	1.0	ANNL AVG	MGD
3/31/2003	SOLIDS, TOTAL SUSPENDED	12.67	12.5	MO AVG	MG/L
6/30/2003	CHLORINE, TOTAL RESIDUAL	.97	1.0	MINIMUM	MG/L
7/31/2003	PHOSPHORUS, TOTAL (AS P)	147.7	146	MO TOTAL	KG/YR

The Bioassay of Pace Water Systems, Inc. effluent sampled on October 20, 22, & 24, 2003, NPDES #FL0102202.

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



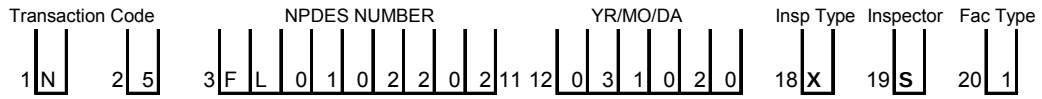
Remarks



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The Priority Pollutants Analysis for Bioassay of Pace Water Systems, Inc. effluent sampled on October 20, 22, &24, 2003, NPDES #FL0102202.

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



Remarks



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