



Bioassays of the City of
Tampa - Howard F. Curren
Advanced Wastewater Treatment Plant

Tampa, Hillsborough County, Florida

NPDES #FL0020904

Sampled 10/7/02

July 2003

Biology Section
Division of Resource Assessment & Management

Comprehensive Quality Assurance Plan #870346G

Bioassays of the City of
Tampa - Howard F. Curren
Advanced Wastewater Treatment Plant
Tampa, Hillsborough County, Florida
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Biology Section
Bureau of Laboratories
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City of Tampa-Howard F. Curren AWTP, 2700 Maritime Blvd., Tampa, Hillsborough County, Florida, NPDES #FL0020904, tests performed on 8 to 12 October 2002.

Introduction

This activated-sludge advanced wastewater treatment plant has a design flow of 96.0 MGD and an average daily flow of 56.3 MGD (February 2002– February 2003). Treatment at this facility consists of influent screening and grit removal, primary clarification, intermediate clarification, nitrification, final clarification, denitrification, disinfection using chlorine gas, and dechlorination using sulfur dioxide gas before discharge into the Class III marine waters of Hillsborough Bay. A mixing zone exists for pH that extends spatially 133 meters in all directions from the end of the discharge pipe (facility information provided by Joe Squitieri, FDEP, Tampa).

Methods

Samples were collected by Cindy Hodgman and Eli Landrau 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 96-hr acute screen – Not Toxic
Cyprinella leedsi 96-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 a complete list of chemical analyses performed.

Conclusion

The sample of effluent collected from this facility on October 7, 2002, did not show acute toxicity to either test species during the 96-hour bioassay tests.

Table 1. Data recorded during the 96-hour acute screening bioassays of a sample of effluent from the City of Tampa-Howard F. Curren AWTP, 2700 Maritime Blvd., Tampa, Hillsborough County, Florida, NPDES# FL0020904, performed from 8 to 12 October 2002.

Facility: City of Tampa-Howard F. Curren AWTP	NPDES #: FL0020904	Facility Type: AWTP	Analysts: Jacquelyn Brynda
Location: 2700 Maritime Blvd., Tampa	Contact/District: Kovach/SW		Joshua Ayres
County: Hillsborough	Test type: acute screen		James Daniels
Sample Collection Date: 10/7/2002 Time: 1055	# tests: 2	Receiving Water: Hillsborough Bay	Marshall Faircloth
Test Beginning Date: 10/8/2002 Time: 1345	Chlorination Type: dechlorinated	Class III Marine	
Test Ending Date: 10/12/2002 Time: 1330	FDEP SOP#: TA07_01	Page 1 of 2	Reviewer: Rob Buda

Organism: <i>Ceriodaphnia dubia</i> Life stage: <24 hours Feeding: YCT/Algae														Conductivity	
0-48 hours (before renewal) Chamber size: 20mL														Uncorrected	
Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive			pH			Temperature ^B			Dissolved Oxygen			µmhos/cm	
		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	0/20	5	5	5	8.0	-	7.7	23.1	-	24.6	8.4	-	6.8	150	190
Control B	0/20	5	5	5	-	-	7.9	-	-	24.5	-	-	6.9	-	180
Control C	0/20	5	5	5	-	-	7.9	-	-	24.5	-	-	6.9	-	180
Control D	0/20	5	5	5	-	-	7.9	-	-	24.6	-	-	6.9	-	170
100% A	20/0	5	5	5	7.6	-	8.2	24.1	-	24.8	8.3	-	6.8	1120	1295
100% B	20/0	5	5	5	-	-	8.3	-	-	24.8	-	-	6.9	-	1240
100% C	20/0	5	5	5	-	-	8.3	-	-	24.9	-	-	6.7	-	1240
100% D	20/0	5	5	5	-	-	8.2	-	-	24.7	-	-	6.8	-	1250

LIMS	
Job number:	TLH-2002-10-08-12
sample number:	626872

Data Transcription Verification	
date:	6/9/2003
by:	Cathy Oaks
	Brad Richardson

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

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

Organism: <i>Ceriodaphnia dubia</i> 48-96 hours (after renewal)														Conductivity	
														Uncorrected	
Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive			pH			Temperature ^B			Dissolved Oxygen			µmhos/cm	
		48 hr	72 hr	96 hr	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	96 hour
Control A	0/20	5	5	5	8.3	-	8.0	24.7	-	24.0	7.2	-	7.0	210	195
Control B	0/20	5	5	5	-	-	8.0	-	-	23.9	-	-	7.2	-	205
Control C	0/20	5	5	5	-	-	8.0	-	-	24.1	-	-	7.2	-	205
Control D	0/20	5	5	5	-	-	8.0	-	-	24.1	-	-	7.2	-	200
100% A	20/0	5	5	5	7.7	-	8.4	24.8	-	23.6	7.3	-	7.3	1120	1425
100% B	20/0	5	5	5	-	-	8.4	-	-	24.2	-	-	7.2	-	1435
100% C	20/0	5	5	5	-	-	8.4	-	-	24.3	-	-	7.1	-	1385
100% D	20/0	5	5	5	-	-	8.4	-	-	23.9	-	-	7.3	-	1390

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water		
(water flea):	72	75
100% Sample:	140	220

Light Intensity during the test was 50-100 foot candles.
Photoperiod during the test was 16 hours of light : 8 hours of dark.

^A Organisms fed prior to testing and before renewal.

^B Temperatures of room and test incubator were continuously recorded on a strip chart recorder.

Room Temperature range for the test period was 22.5-27.0°C.

Incubator #3 temperature range for the test period was 25.0-25.5°C.

Continued

Table 1. Data recorded during the 96-hour acute screening bioassays of a sample of effluent from the City of Tampa-Howard F. Curren AWTP, 2700 Maritime Blvd., Tampa, Hillsborough County, Florida, NPDES# FL0020904, performed from 8 to 12 October 2002.

Facility: City of Tampa-Howard F. Curren AWTP	NPDES #: FL0020904	Facility Type: AWTP	Analysts: Jacquelyn Brynda Joshua Ayres James Daniels Marshall Faircloth
Location: 2700 Maritime Blvd., Tampa	Contact/District: Kovach/SW		
County: Hillsborough	Test type: acute screen		
Sample Collection Date: 10/7/2002 Time: 1055	# tests: 2	Receiving Water: Hillsborough Bay	
Test Beginning Date: 10/8/2002 Time: 1345	Chlorination Type: dechlorinated	Class III Marine	
Test Ending Date: 10/12/2002 Time: 1330	FDEP SOP#: TA07_02	Page 2 of 2	Reviewer: Rob Buda

Organism: <i>Cyprinella leedsii</i> Life stage: 12 days Feeding: artemia														Conductivity	
0-48 hours (before renewal) Chamber size: 1L														Uncorrected	
Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive			pH			Temperature ^B			Dissolved Oxygen			µmhos/cm	
		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	8.3	24.7	24.7	23.2	8.1	7.4	8.0	250	260
Control B	0/500	5	5	5	7.9	8.3	8.3	24.7	24.3	23.1	8.0	7.4	7.6	250	260
Control C	0/500	5	5	5	7.9	8.3	8.4	24.7	24.3	22.9	8.0	7.7	7.7	260	270
Control D	0/500	5	5	5	7.9	8.3	8.4	24.7	24.3	23.0	7.9	7.7	7.3	265	270
100% A	500/0	5	5	5	7.5	8.1	8.2	24.6	24.4	23.0	8.0	7.8	7.6	1080	1100
100% B	500/0	5	5	5	7.5	8.1	8.2	24.4	24.3	23.0	8.0	7.7	7.4	1145	1140
100% C	500/0	5	5	5	7.5	8.1	8.3	24.4	24.4	23.1	8.1	7.7	7.4	1140	1150
100% D	500/0	5	5	5	7.5	8.1	8.3	24.4	24.5	23.1	8.0	7.6	7.4	1160	1160

LIMS	
Job number: TLH-2002-10-08-12	
sample number: 626872	

Data Transcription Verification	
date:	6/9/2003
by:	Cathy Oaks Brad Richardson

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

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

Organism: <i>Cyprinella leedsii</i>														Conductivity	
48-96 hours (after renewal)														Uncorrected	
Concentrations	Sample/Diluent Volume(mL)	SURVIVAL # Alive			pH			Temperature ^B			Dissolved Oxygen			µmhos/cm	
		48 hr	72 hr	96 hr	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	96 hour
Control A	0/500	5	5	5	8.0	8.2	8.4	23.5	23.8	24.2	7.4	7.9	7.9	300	270
Control B	0/500	5	5	5	8.0	8.2	8.4	23.7	23.5	24.2	7.5	7.8	7.9	280	275
Control C	0/500	5	5	5	8.1	8.2	8.4	23.5	23.5	24.4	7.4	7.5	7.8	270	275
Control D	0/500	5	5	5	8.1	8.2	8.4	23.6	23.4	24.3	7.5	7.4	7.9	270	270
100% A	500/0	5	5	5	7.6	8.0	8.2	23.7	23.5	23.9	7.5	7.3	7.1	1000	1190
100% B	500/0	5	5	5	7.6	8.0	8.2	23.8	23.6	24.6	7.5	7.3	7.0	1100	1230
100% C	500/0	5	5	5	7.6	8.0	8.2	23.6	23.5	24.0	7.4	7.1	7.0	1105	1220
100% D	500/0	5	5	5	7.6	8.0	8.2	23.7	23.7	24.4	7.5	7.1	6.9	1130	1215

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water (fish):	137	135
100% Sample:	140	220

Light Intensity during the test was 50-100 footcandles.
Photoperiod during the test was 16 hours of light : 8 hours of dark.

^A Organisms fed prior to testing and before renewal.

^B Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 22.5-27.0°C.
Incubator #3 temperature range for the test period was 25.0-25.5°C.

Table 2. Results of chemical analyses on the effluent from City of Tampa-Howard F. Curren AWTP sampled on October 7, 2002.

Metals

Aluminum	44	ug/L	^A
Arsenic	4.1	ug/L	^I
Calcium	72.4	mg/L	^A
Copper	2.1	ug/L	^I
Iron	74	ug/L	^A
Lead	0.13	ug/L	^I
Magnesium	9	mg/L	^A
Nickel	4.8	ug/L	^I
Silver	0.062	ug/L	^I
Zinc	10	ug/L	^A

Pesticides and Herbicides

Atrazine	0.06	ug/L	^I
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Nutrients

Ammonia-N	0.081	mg N/L
Nitrates and Nitrites	0.61	mg N/L
Total Kjeldahl Nitrogen	1.5	mg N/L
Ortho-Phosphates	2.2	mg P/L
Total Phosphorous	2.4	mg P/L

Base, Neutral, & Acid Extractable Organics

None detected

^A The reported value is an average of two or more values.

^I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Table 3. Chemical Analyses performed on the effluent from City of Tampa-Howard F. Curren AWTP, sampled on October 7, 2002.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
10/7/2002 10:55	27854	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	1,2,4-Trichlorobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	1,2-Dichlorobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	1,3,5-Trinitrobenzene	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	1,3-Dichlorobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	1,4-Dichlorobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	78
10/7/2002 10:55	27854	BNA-Water	1-Naphthylamine	9.7	ug/L	U	9.7	39
10/7/2002 10:55	27854	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	2,4,5-Trichlorophenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2,4,6-Trichlorophenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2,4-Dichlorophenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2,4-Dimethylphenol	49	ug/L	U	49	190
10/7/2002 10:55	27854	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	58
10/7/2002 10:55	27854	BNA-Water	2,4-Dinitrotoluene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2,6-Dichlorophenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2,6-Dinitrotoluene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2-Acetylaminofluorene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2-Chloronaphthalene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2-Chlorophenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	2-Methylnaphthalene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2-Naphthylamine	9.7	ug/L	U	9.7	39
10/7/2002 10:55	27854	BNA-Water	2-Nitroaniline	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2-Nitrophenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	2-Picoline	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	3,3'-Dichlorobenzidine	39	ug/L	U	39	160
10/7/2002 10:55	27854	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	78
10/7/2002 10:55	27854	BNA-Water	3-Methylcholanthrene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	3-Nitroaniline	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	5.8

10/7/2002 10:55	27854	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	4-Aminobiphenyl	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	4-Bromophenyl phenyl ether	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	4-Chloro-3-methylphenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	4-Chloroaniline	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	4-Nitroaniline	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	4-Nitrophenol	15	ug/L	U	15	58
10/7/2002 10:55	27854	BNA-Water	5-Nitro-o-toluidine	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Acenaphthene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Acenaphthylene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Acetophenone	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Aldrin	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	Aniline	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Anthracene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Benzidine	97	ug/L	U	97	390
10/7/2002 10:55	27854	BNA-Water	Benzo(a)anthracene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Benzo(a)pyrene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Benzo(b)fluoranthene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Benzo(g,h,i)perylene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Benzo(k)fluoranthene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Benzyl alcohol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Bis(2-chloroethoxy)methane	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Bis(2-chloroethyl)ether	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	58
10/7/2002 10:55	27854	BNA-Water	Butyl benzyl phthalate	4.9	ug/L	U	4.9	19
10/7/2002 10:55	27854	BNA-Water	Chrysene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Di-n-butyl phthalate	4.9	ug/L	U	4.9	19
10/7/2002 10:55	27854	BNA-Water	Di-n-octyl phthalate	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Dibenzo(a,h)anthracene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Dibenzofuran	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	Diethyl phthalate	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Dimethyl phthalate	49	ug/L	U	49	190

10/7/2002 10:55	27854	BNA-Water	Dimethylaminoazobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Dinoseb	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	Endosulfan I	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	Endosulfan II	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	Endrin	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	Endrin aldehyde	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	Ethyl methanesulfonate	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Fluoranthene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Fluorene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	Hexachlorobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	Indeno(1,2,3-cd)pyrene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Isophorone	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Isosafrole	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Methapyrilene	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	Methyl methanesulfonate	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	N-Nitrosodi-n-butylamine	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	N-Nitrosodiethylamine	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	N-Nitrosomorpholine	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	N-Nitrosopiperidine	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	Naphthalene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	78
10/7/2002 10:55	27854	BNA-Water	Pentachlorobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Pentachloroethane	49	ug/L	U	49	190

10/7/2002 10:55	27854	BNA-Water	Pentachloronitrobenzene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
10/7/2002 10:55	27854	BNA-Water	Phenacetin	3.9	ug/L	U	3.9	12
10/7/2002 10:55	27854	BNA-Water	Phenanthrene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Phenol	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Pyrene	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	Pyridine	3.9	ug/L	U	3.9	16
10/7/2002 10:55	27854	BNA-Water	Safrole	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	5.8
10/7/2002 10:55	27854	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.8
10/7/2002 10:55	27854	BNA-Water	o-Toluidine	0.97	ug/L	U	0.97	3.9
10/7/2002 10:55	27854	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
10/7/2002 10:55	27854	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
10/7/2002 10:55	27854	GC-Water	Atrazine	0.06	ug/L	I	0.048	0.192
10/7/2002 10:55	27854	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
10/7/2002 10:55	27854	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
10/7/2002 10:55	27854	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
10/7/2002 10:55	27854	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
10/7/2002 10:55	27854	GC-Water	Chlorpyrifos Methyl	0.096	ug/L	U	0.096	0.384
10/7/2002 10:55	27854	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
10/7/2002 10:55	27854	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
10/7/2002 10:55	27854	GC-Water	Ethoprop	0.096	ug/L	U	0.096	0.384
10/7/2002 10:55	27854	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
10/7/2002 10:55	27854	GC-Water	Fonofos	0.096	ug/L	U	0.096	0.384
10/7/2002 10:55	27854	GC-Water	Hexazinone	0.096	ug/L	U	0.096	0.384
10/7/2002 10:55	27854	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
10/7/2002 10:55	27854	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
10/7/2002 10:55	27854	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
10/7/2002 10:55	27854	GC-Water	Metribuzin	0.096	ug/L	U	0.096	0.384
10/7/2002 10:55	27854	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
10/7/2002 10:55	27854	GC-Water	Naled	0.77	ug/L	U	0.77	3.08
10/7/2002 10:55	27854	GC-Water	Norflurazon	0.096	ug/L	U	0.096	0.384
10/7/2002 10:55	27854	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56

10/7/2002 10:55	27854	GC-Water	Parathion Methyl	0.096	ug/L	U	0.096	0.384
10/7/2002 10:55	27854	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
10/7/2002 10:55	27854	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
10/7/2002 10:55	27854	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
10/7/2002 10:55	27854	Metals-Water	Aluminum	44	ug/L	A	10	40
10/7/2002 10:55	27854	Metals-Water	Arsenic	4.1	ug/L	I	3	12
10/7/2002 10:55	27854	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
10/7/2002 10:55	27854	Metals-Water	Calcium	72.4	mg/L	A	0.04	0.12
10/7/2002 10:55	27854	Metals-Water	Chromium	2	ug/L	U	2	8
10/7/2002 10:55	27854	Metals-Water	Copper	2.1	ug/L	I	0.75	3
10/7/2002 10:55	27854	Metals-Water	Iron	74	ug/L	A	7	28
10/7/2002 10:55	27854	Metals-Water	Lead	0.13	ug/L	I	0.1	0.4
10/7/2002 10:55	27854	Metals-Water	Magnesium	9	mg/L	A	0.01	0.04
10/7/2002 10:55	27854	Metals-Water	Nickel	4.8	ug/L	I	2	8
10/7/2002 10:55	27854	Metals-Water	Selenium	1	ug/L	U	1	4
10/7/2002 10:55	27854	Metals-Water	Silver	0.062	ug/L	I	0.02	0.08
10/7/2002 10:55	27854	Metals-Water	Zinc	10	ug/L	A	2	8
10/7/2002 10:55	27854	Nutrients-Liquid	Ammonia-N	0.081	mg N/L		0.01	0.02
10/7/2002 10:55	27854	Nutrients-Liquid	NO2NO3-N	0.61	mg N/L		0.004	0.01
10/7/2002 10:55	27854	Nutrients-Liquid	N_KJEL_TOT	1.5	mg N/L		0.06	0.2
10/7/2002 10:55	27854	Nutrients-Liquid	O-Phosphate-P	2.2	mg P/L		0.08	0.2
10/7/2002 10:55	27854	Nutrients-Liquid	Total-P	2.4	mg P/L		0.06	0.16
10/7/2002 10:50	27855	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	1,2,4-Trichlorobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	1,2-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	1,3-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	1,4-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	77
10/7/2002 10:50	27855	BNA-Water	1-Naphthylamine	9.6	ug/L	U	9.6	38
10/7/2002 10:50	27855	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	2,4,5-Trichlorophenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2,4,6-Trichlorophenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2,4-Dichlorophenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
10/7/2002 10:50	27855	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	58

10/7/2002 10:50	27855	BNA-Water	2,4-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2,6-Dichlorophenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2,6-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2-Acetylaminofluorene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2-Chloronaphthalene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2-Chlorophenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	2-Methylnaphthalene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2-Naphthylamine	9.6	ug/L	U	9.6	38
10/7/2002 10:50	27855	BNA-Water	2-Nitroaniline	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2-Nitrophenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	2-Picoline	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
10/7/2002 10:50	27855	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	77
10/7/2002 10:50	27855	BNA-Water	3-Methylcholanthrene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	3-Nitroaniline	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	4-Bromophenyl phenyl ether	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	4-Chloro-3-methylphenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	4-Chloroaniline	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	4-Nitroaniline	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	4-Nitrophenol	14	ug/L	U	14	58
10/7/2002 10:50	27855	BNA-Water	5-Nitro-o-toluidine	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Acenaphthene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Acenaphthylene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Acetophenone	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	Aniline	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Anthracene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Benzidine	96	ug/L	U	96	380
10/7/2002 10:50	27855	BNA-Water	Benzo(a)anthracene	0.96	ug/L	U	0.96	3.8

10/7/2002 10:50	27855	BNA-Water	Benzo(a)pyrene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Benzo(b)fluoranthene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Benzo(g,h,i)perylene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Benzo(k)fluoranthene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Benzyl alcohol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Bis(2-chloroethoxy)methane	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Bis(2-chloroethyl)ether	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	58
10/7/2002 10:50	27855	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
10/7/2002 10:50	27855	BNA-Water	Chrysene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
10/7/2002 10:50	27855	BNA-Water	Di-n-octyl phthalate	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Dibenzo(a,h)anthracene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Dibenzofuran	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	Diethyl phthalate	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
10/7/2002 10:50	27855	BNA-Water	Dimethylaminoazobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	Ethyl methanesulfonate	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Fluoranthene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Fluorene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	Hexachlorobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	Indeno(1,2,3-cd)pyrene	0.96	ug/L	U	0.96	3.8

10/7/2002 10:50	27855	BNA-Water	Isophorone	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Isosafrole	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	Methyl methanesulfonate	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	N-Nitrosodi-n-butylamine	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	N-Nitrosodiethylamine	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	N-Nitrosomorpholine	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	N-Nitrosopiperidine	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	Naphthalene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	77
10/7/2002 10:50	27855	BNA-Water	Pentachlorobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
10/7/2002 10:50	27855	BNA-Water	Pentachloronitrobenzene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
10/7/2002 10:50	27855	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	12
10/7/2002 10:50	27855	BNA-Water	Phenanthrene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Phenol	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Pyrene	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
10/7/2002 10:50	27855	BNA-Water	Safrole	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.8
10/7/2002 10:50	27855	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.7
10/7/2002 10:50	27855	BNA-Water	o-Toluidine	0.96	ug/L	U	0.96	3.8
10/7/2002 10:50	27855	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
10/7/2002 10:50	27855	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
10/7/2002 10:50	27855	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
10/7/2002 10:50	27855	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192

10/7/2002 10:50	27855	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
10/7/2002 10:50	27855	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
10/7/2002 10:50	27855	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
10/7/2002 10:50	27855	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
10/7/2002 10:50	27855	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
10/7/2002 10:50	27855	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
10/7/2002 10:50	27855	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
10/7/2002 10:50	27855	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
10/7/2002 10:50	27855	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
10/7/2002 10:50	27855	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
10/7/2002 10:50	27855	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
10/7/2002 10:50	27855	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
10/7/2002 10:50	27855	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
10/7/2002 10:50	27855	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
10/7/2002 10:50	27855	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
10/7/2002 10:50	27855	GC-Water	Naled	0.76	ug/L	U	0.76	3.04
10/7/2002 10:50	27855	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
10/7/2002 10:50	27855	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
10/7/2002 10:50	27855	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
10/7/2002 10:50	27855	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
10/7/2002 10:50	27855	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
10/7/2002 10:50	27855	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
10/7/2002 10:50	27855	Metals-Water	Aluminum	24	ug/L	I	10	40
10/7/2002 10:50	27855	Metals-Water	Arsenic	3	ug/L	U	3	12
10/7/2002 10:50	27855	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
10/7/2002 10:50	27855	Metals-Water	Calcium	0.04	mg/L	U	0.04	0.12
10/7/2002 10:50	27855	Metals-Water	Chromium	2	ug/L	U	2	8
10/7/2002 10:50	27855	Metals-Water	Copper	0.75	ug/L	U	0.75	3
10/7/2002 10:50	27855	Metals-Water	Iron	7	ug/L	U	7	28
10/7/2002 10:50	27855	Metals-Water	Lead	0.1	ug/L	U	0.1	0.4
10/7/2002 10:50	27855	Metals-Water	Magnesium	0.01	mg/L	U	0.01	0.04
10/7/2002 10:50	27855	Metals-Water	Nickel	2	ug/L	U	2	8
10/7/2002 10:50	27855	Metals-Water	Selenium	1	ug/L	U	1	4
10/7/2002 10:50	27855	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
10/7/2002 10:50	27855	Metals-Water	Zinc	2.6	ug/L	I	2	8
10/7/2002 10:50	27855	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
10/7/2002 10:50	27855	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01

10/7/2002 10:50	27855	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
10/7/2002 10:50	27855	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
10/7/2002 10:50	27855	Nutrients-Liquid	Total-P	0.015	mg P/L	U	0.015	0.04

