

Bioassays of

Venice Minerals

Sarasota County

NPDES #FL0179256

Sampled August 2, 2004

November 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Venice Minerals, 500 Gene Green Road, Laurel, Sarasota County, Florida, NPDES #FL0179256. Effluent samples for this facility were collected on August 2, 2004.

Introduction

Venice Minerals is a sand and shell mining facility. Its industrial wastewater treatment system consists of storage and settling areas that overflow into a perimeter ditch. This facility does not have a design flow, and the average monthly flows for the period from April 2003 through March 2004 were 0.684 million gallons per day (MGD) for D001 and 0.938 MGD for D002. Commingled wastewater and stormwater from the perimeter ditch is discharged off-site via Outfalls D001 and/or D002 via weir structures (cement overflows) to a wetland area. The discharge then flows into the Myakka River, a freshwater Class I Outstanding Florida Water. This facility does not have any mixing zones. Its permit does not require toxicity testing at this time (facility information provided by Lori Pillsbury and Joe Hillring of FDEP Southwest District office).

Methods

Samples were collected from the D002 NPDES sampling point by Lori Pillsbury and Nahir Cornwell (FDEP Southwest District Office) 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 and algal growth potential test were performed following internal DEP SOP's TA07_01,TA07_02, and TA08_01 through TA08_07. 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 August 3-5, 2004.

Ceriodaphnia dubia 48-hr acute screening bioassay –	LC_{50} > 100%, 0%* mortality in 100% sample at 48 hours
Cyprinella leedsi 48-hr acute screening bioassay –	LC_{50} > 100%, 0%* mortality in 100% sample at 48 hours

See Appendix 1 for bioassay bench sheets.

*NOTE: In a 48-hr acute screening test of 100% effluent, mortality of <20% provides reasonable assurance that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Rule 62-302.500 (1)(a)4, F.A.C.). Mortality between 20-50% mortality indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% provides reasonable assurance that the effluent fails to meet the minimum requirement to discharge to waters of the state (Rule 62-4.244(3)(a), F.A.C.).

Algal Growth Potential

The effluent AGP was < 0.1 mg dry wt/L (below the method detection limit) of the unicellular green alga, *Pseudokirchneriella subcapitata*, formerly known as *Selenastrum capricornutum*. Raschke and Shultz (1987) found that Algal Growth Potential (AGP) values above 5.0 mg dry weight/L represent a "problem" threshold for fresh receiving waters, implying nutrient enrichment. The analytical chemistry suggests that the effluent is nitrogen-limited. The predicted AGP based on nitrogen and phosphorous concentrations was 1.22 (±20%) mg dry wt/L (Table 1; Miller et al. 1978). Differences between actual and predicted AGP values greater than an order of magnitude

are generally considered sufficient evidence to warrant follow up testing with the algal growth inhibition bioassay; however, follow up testing is not necessary at such low predicted AGP levels.

See Table 1 for AGP results.

Chemistry Results

Total residual chlorine and total ammonia were not detected in the bioassay sample in the laboratory. The total ammonia concentration in the sample collected and preserved for chemical analysis was 0.021 mg/L. Based on the pH, salinity and temperature of the effluent when the sample was collected, the calculated unionized ammonia concentration of the effluent was < 0.001 mg/L.

Iron was detected in the effluent at levels that comply with its Class I fresh water quality criterion. Lead and nickel were detected between the laboratory minimum detection limits (MDL) and practical quantitation limits (PQL). Aluminum was detected in the effluent.

See Table 2 for results of analytes detected in the effluent, and corresponding limits.

See Appendix 2 for a complete list of chemical analyses performed.

Conclusion

The effluent samples collected from Outfall D002 for this facility on August 2, 2004, did not show acute toxicity to either test species during the 48-hour acute bioassays. The effluent AGP result was less than the "problem" threshold for fresh receiving waters. Effluent constituents did not exceed any applicable water quality standards or violate any permit conditions.

Literature Cited

Miller, W. E., T. E. Maloney, and J. C. Greene. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA-600/9-78-018. U. S. EPA, Cincinnati, Ohio. 126 p.

Raschke, R. L. and D. A. Schultz. 1987. The use of the algal growth potential test for data assessment. J. Wat. Poll. Cont. Fed. 59(4): 222-227.

Table 1. Measured and predicted algal growth potential (AGP) for total soluble nitrogen (TSIN) limitation of Pseudokirchneriella subcapitata *for samples collected from Venice Minerals on August 2, 2004.*

Location	AGP (measured)	Predicted AGP (TSIN) ± 20%	Inorganic N:P ratio
Effluent Samples	0.100 U	1.22 ± 0.244	4.57

U - Material analyzed for but not detected; value reported is the minimum detection limit

Table 2. Effluent limits, Class I Criteria and water quality data for Venice Minerals samples collected on August 2, 2004.

Venice Minerals	Class I Fresh Standards	Effluent Limits	Effluent Samples
Organic Constituents (µg/L)			
None Detected	-	-	-
Metals (µg/L unless otherwise noted)			
Aluminum	-	-	64
Arsenic	≤ 50	-	6 U
Cadmium	≤ 2.8 b	-	0.025 U
Calcium (mg/L)	-	-	108
Chromium-III	≤ 218.4 b	-	2 U
Copper	≤ 24.6 b	-	1 U
Iron	≤ 300	-	56
Lead	≤ 13.5 b	-	0.063 I
Magnesium (mg/L)	-	-	10.1
Nickel	≤ 136.3 b	-	3.4 I
Selenium	≤ 5	-	7 U
Silver	≤ 0.07	-	0.01 U
Zinc	≤ 313.6 b	-	3 U
Nutrients (mg/L)			
TSS	-	≤ 20	4 I
Ortho-phosphate	-	-	0.007 I
Total Phosphorus	-	-	0.044 I
Ammonia	-	-	0.021
Unionized Ammonia	≤ 0.02	-	< 0.001 c
Nitrate+Nitrite	-	-	0.011
Total Kjeldahl Nitrogen	-	-	0.58
Organic Nitrogen	-	-	0.559 c
Total Nitrogen	-	-	0.571 c
Turbidity	t	-	1.4
General Physical and Chemical Parameters			
Alpha, Total (pCi/L)	≤ 15	≤ 15	10.1
Alpha-Counting Error (pCi/L)	-	-	1.4
Radium 226 (pCi/L)	-	-	2.6
Radium 226-Counting Error (pCi/L)	-	-	0.2
Radium 228 (pCi/L)	-	-	0.8 U
Radium 228-Counting Error (pCi/L)	-	-	0.5
Radium 226 + 228 (pCi/L)	≤ 5	≤ 5	3.4 c
Dissolved Oxygen (mg/L)	≥ 5	-	7.6
pH (S.U.)	6.0 - 8.5	6.0 - 8.5	7.7
Conductivity (umhos/cm)	≤ 1275	≤ 1275	684
Temperature (C)	-	-	29
BOD (mg/L)	-	-	0.2 U
BOD (mg/L)	-	-	0.34 AI
Hardness (mg/L)	-	-	311.3 c
Total Residual Chlorine (mg/L) (lab)	≤ 0.01	-	< 0.03 U
AGP (mg DryWt/L)	-	-	0.1 U

Value exceeds the Class I Fresh Water Quality Criteria (62-302, F.A.C.)

b - Value is calculated based on hardness

c - calculated value

t - Shall not exceed 29 NTUs above background

A - Value reported is the mean of two or more determinations

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

U - Material analyzed for but not detected; value reported is the minimum detection limit

FDEP Biology Section - Acute
Bioassay Bench Sheets

Facility: Venice Minerals 500 Gene Green Road
Address: ~~1035 Old Venice Road~~ ~~OSPREY~~ Laurel
mr incorrect address 8/4/04
City: Laurel **County:** Sarasota
Contact/District: Lori Pillsbury / Southwest
NPDES Permit #: FL 0179256
LIMS Job #: TLH-2004-08-03-02 **LIMS Sample #:** 77151.3 DN 77/551
Lims Data Entry: 8/6/04 MF Data Entry Verification: 8.6.04 JD
Instructions (for below): Circle appropriate wording. If yes is circled complete blanks.

Sample Collection: Date: 8/02/04 Time: 1000
Hold time Start: Date: 8/02/04 Time: 1000

Comments:

Test Type (Screening)/Definitive
(Static) / Static Renewal / Flow-through
Test Duration: (48) 96 Hours.
Light Intensity : 50 - 100 ft. candles.
Photoperiod : 16 hours light 8 hours dark.
Initial sample handling:

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No
Test 2 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

PH adjustment : yes (no) Initial pH NaOH N HCl N Drops mL Final pH
Aeration : yes (no) Initial DO: 8.6 mg/L Final DO: mg/L Duration: minutes Rate: - bubbles/min
Salinity adjusted (Test 1): yes (no) Initial Salinity: Final Salinity: Salts Hypersaline brine
Salinity adjusted (Test 2): yes (no) Initial Salinity: Final Salinity: Salts Hypersaline brine
Dechlorination: yes (no) mL of 0.025N Sodium Thiosulfate per liter of sample. Final TRC

Temperature Range °C
Incubator # 3 Range 24.0 - 24.8
Room B246: 24.0 - 24.8
Waterbath: N/A

Sample Validation:
Temperature: Shipped ≤6°C (Yes) No Hand Delivered: Cooling (received °C < collected °C) Yes No
Holding Time: ≤36 Hours (Yes) No (Composite-end of collection; grab-when collected; 4 in 24 - time last sample collected)

Investigators' Signatures
Donna Nicholson
Marshall Faircloth
Sarah Pickard
Jason Jones
Nicole Wilterdink
REVIEWER

Water Quality Parameters	20% DMW	Well Water	Salt Water ASW NSW Test 1	Salt Water ASW NSW Test 2	Moderately Hard Water	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	N/A	N/A	N/A	N/A	N/A	Not measured			DN
Lab Total Residual Cl2 (mg/L):	<0.03	<0.03				<0.03	HACH	SP	DN
Alkalinity (mg/L as $CaCO_3$):	82	143				180	HACH	JD	MF
Hardness (mg/L as $CaCO_3$):	89	141				398	HACH	JD	MF
Total Ammonia (mg/L as N):	<0.017	<0.017				<0.017	DENVER	DN	MF
Salinity (ppt):	<1	<1				<1	YSI	DN	MF

V.2 2/26/04

Page 000128

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: DN 771551 ~~771513~~ **Test #:** 1 **Test Started: Date** 8/3/04 **Time:** 1355

Organism: C. dubia **Test Ended: Date** 8/5/04 **Time:** 1230

Organism Batch: 30 **Diluent/ Batch:** DMW 1 # 27

Organism Age: <24 hr **Food:** (YCT) (*P. subcapitata*) *Artemia*

Chamber Size 30 **mL** **Batch:** 2 32

Test Volume 20 **mL** **Feeding:** (Prior to test) - Prior to renewal - Daily

Concentration	Replicate	Chamber #	Test Hour: 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	/	5	5	5			
	B	/	5	5	5			
	C	/	5	5	5			
	D	/	5	5	5			
100%	A	/	5	5	5			
	B	/	5	5	5			
	C	/	5	5	5			
	D	/	5	5	5			

Organisms loaded by: DN Loading Verified by: MF	Checked by: (initials)	MF	JD	JD				

Comments:

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

Test Results:

% mortality in 100% sample Ø

LC_{50}: >100% If Calculated: 95% CI ______ Method: ______

Screening Tests: Report LC50 as >100%, =100%, or <100%.

Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

Page 000129 V.1 2/23/04

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: DW 771551 / 771513 Test #: 2 Test Started: Date 8/3/04 Time: 1400

Organism: C leedsi Test Ended: Date 8/5/04 Time: ~~1155~~ 1230

Organism Batch: 17 Diluent/ Batch: Well/well NA

Organism Age: 6 days Food: YCT *P. subcapitata* Artemia 0194042564

Chamber Size 1000 mL Batch: ___ ___

Test Volume 500 mL Feeding: (Prior to test) Prior to renewal - Daily

Concentration	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	D1	5	5	5			
	B	D2	5	5	5			
	C	D3	5	5	5			
	D	D4	5	5	4|0			
100 %	A	D5	5	5	5			
	B	D6	5	5	5			
	C	D7	5	5	5			
	D	D8	5	5	5			

Organisms loaded by: JD Checked by: MF 50 50

Loading Verified by: MF (initials)

Comments:

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

Test Results:

% mortality in 100% sample Ø

LC_{50}: >100% If Calculated: 95% CI ___ Method: ___

Screening Tests: Report LC50 as >100%, =100%, or <100%.

Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

Page 000130 V.1 2/23/04

Bioassay Parameters

DN

LIMS Sample # : ~~77513~~ 77155/ Test # : 1 of 2

TEST SOP: TA07_01 Test Species: (Ceriodaphnia dubia) Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina Other:

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate A	A		B			
pH (S.U.)	8.0		JD 7.4 66			
Temperature °C	25.1		24.3			
Dissolved Oxygen mg/L	8.0		7.4			
Conductivity (µmhos) mmhos	200		220	JD 8		
(initials) Measured by:	DN		JD			
(initials) Recorded by:	DN		JD			

Comments: JD. - Transcription error

Concentration 100 %	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		B			
pH (S.U.)	7.8	~~7.3~~ JD	~~7.3~~ 7.3 63			
Temperature °C	25.1	~~24.2~~ JD	24.2			
Dissolved Oxygen mg/L	8.1		6.5			
Conductivity (µmhos) mmhos	665	JD ~~810~~	815			
(initials) Measured by:	DN		JD			
(initials) Recorded by:	DN		JD			

Comments: JD. Transcription Error

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

Bioassay Parameters

LIMS Sample # : DN ~~77513~~ 77155/ **Test # :** 2 **of** 2

TEST SOP: TA07_ 02 Test Species: *Ceriodaphnia dubia* (*Cyprinella leedsi*) *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	7.9	7.9	8.1			
Temperature °C	24.7	24.0	24.8			
Dissolved Oxygen mg/L	7.9	7.6	7.7			
Conductivity (µmhos) mmhos	270	275	335			
(initials) Measured by:	DN	DN	JD			
(initials) Recorded by:	DN	DN	JD			

Comments:

Concentration 100 %	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	7.8	8.0	8.1			
Temperature °C	24.7	24.0	25.0			
Dissolved Oxygen mg/L	8.1	7.5	7.3			
Conductivity (µmhos) mmhos	665	675	715			
(initials) Measured by:	DN	DN	JD			
(initials) Recorded by:	DN	DN	JD			

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

Appendix 2. Chemical analyses performed on the effluent collected from Venice Minerals on August 2, 2004.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/2/2004 10:00	OUTFALL D002	Bio-AGP/LimNut	Algal Growth Potential	0.1	mg DryWt/L	U	0.1	0.3
8/2/2004 10:00	OUTFALL D002	Bio-BOD	Biochemical Oxygen Demand-5 Day	0.34	mg/L	AI		
8/2/2004 10:00	OUTFALL D002	Bio-BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	0.2	mg/L	U		
8/2/2004 10:00	OUTFALL D002	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
8/2/2004 10:00	OUTFALL D002	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
8/2/2004 10:00	OUTFALL D002	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
8/2/2004 10:00	OUTFALL D002	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
8/2/2004 10:00	OUTFALL D002	BNA-Water	1,2,4-Trichlorobenzene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	1,2-Dichlorobenzene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	1,3-Dichlorobenzene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	1,4-Dichlorobenzene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	2,4,6-Trichlorophenol	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	2,4-Dichlorophenol	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	2,4-Dimethylphenol	50	ug/L	U	50	200
8/2/2004 10:00	OUTFALL D002	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	60
8/2/2004 10:00	OUTFALL D002	BNA-Water	2,4-Dinitrotoluene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	2,6-Dinitrotoluene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	2-Chloronaphthalene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	2-Chlorophenol	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	2-Methyl-4,6-dinitrophenol	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	BNA-Water	2-Nitrophenol	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	3,3'-Dichlorobenzidine	40	ug/L	U	40	160
8/2/2004 10:00	OUTFALL D002	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	4,4'-DDT	1.5	ug/L	UJ	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	4-Bromophenyl phenyl ether	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	4-Chloro-3-methylphenol	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	8
8/2/2004 10:00	OUTFALL D002	BNA-Water	4-Nitrophenol	15	ug/L	U	15	60
8/2/2004 10:00	OUTFALL D002	BNA-Water	Acenaphthene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Acenaphthylene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Aldrin	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	Anthracene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Benzidine	100	ug/L	U	100	400
8/2/2004 10:00	OUTFALL D002	BNA-Water	Benzo(a)anthracene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Benzo(a)pyrene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Benzo(b)fluoranthene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Benzo(g,h,i)perylene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Benzo(k)fluoranthene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Bis(2-chloroethoxy)methane	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Bis(2-chloroethyl)ether	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Bis(2-chloroisopropyl)ether	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	60
8/2/2004 10:00	OUTFALL D002	BNA-Water	Butyl benzyl phthalate	5	ug/L	U	5	20
8/2/2004 10:00	OUTFALL D002	BNA-Water	Chrysene	1	ug/L	U	1	4

8/2/2004 10:00	OUTFALL D002	BNA-Water	Di-n-butyl phthalate	5	ug/L	U	5	20
8/2/2004 10:00	OUTFALL D002	BNA-Water	Di-n-octyl phthalate	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Dibenzo(a,h)anthracene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	Diethyl phthalate	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Dimethyl phthalate	50	ug/L	U	50	200
8/2/2004 10:00	OUTFALL D002	BNA-Water	Endosulfan I	4	ug/L	U	4	16
8/2/2004 10:00	OUTFALL D002	BNA-Water	Endosulfan II	4	ug/L	U	4	16
8/2/2004 10:00	OUTFALL D002	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	Endrin	1.5	ug/L	UJ	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	Endrin aldehyde	4	ug/L	U	4	16
8/2/2004 10:00	OUTFALL D002	BNA-Water	Fluoranthene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Fluorene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	Hexachlorobenzene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Hexachlorobutadiene	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	BNA-Water	Hexachlorocyclopentadiene	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	BNA-Water	Hexachloroethane	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	BNA-Water	Indeno(1,2,3-cd)pyrene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Isophorone	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	8
8/2/2004 10:00	OUTFALL D002	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	8
8/2/2004 10:00	OUTFALL D002	BNA-Water	N-Nitrosodiphenylamine	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	BNA-Water	Naphthalene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Nitrobenzene	2	ug/L	U	2	8
8/2/2004 10:00	OUTFALL D002	BNA-Water	Pentachlorophenol	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	BNA-Water	Phenanthrene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Phenol	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	Pyrene	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	6
8/2/2004 10:00	OUTFALL D002	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	6
8/2/2004 11:45	FIELD BLANK	BNA-Water	1,2,4-Trichlorobenzene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	1,2-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	1,3-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	1,4-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	2,4,6-Trichlorophenol	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	2,4-Dichlorophenol	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
8/2/2004 11:45	FIELD BLANK	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	58
8/2/2004 11:45	FIELD BLANK	BNA-Water	2,4-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	2,6-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	2-Chloronaphthalene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	2-Chlorophenol	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
8/2/2004 11:45	FIELD BLANK	BNA-Water	2-Nitrophenol	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
8/2/2004 11:45	FIELD BLANK	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	4,4'-DDT	1.4	ug/L	UJ	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	4-Bromophenyl phenyl ether	0.96	ug/L	U	0.96	3.8

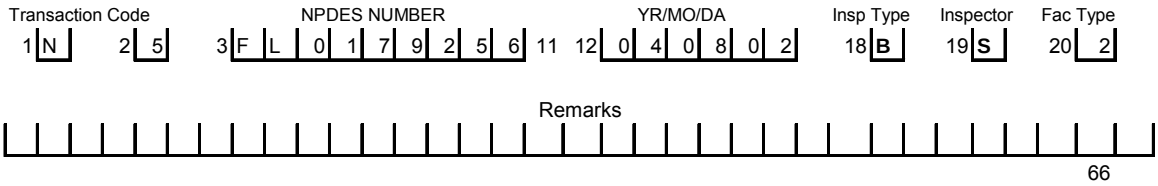
8/2/2004 11:45	FIELD BLANK	BNA-Water	4-Chloro-3-methylphenol	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.7
8/2/2004 11:45	FIELD BLANK	BNA-Water	4-Nitrophenol	14	ug/L	U	14	58
8/2/2004 11:45	FIELD BLANK	BNA-Water	Acenaphthene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Acenaphthylene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Anthracene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Benzidine	96	ug/L	U	96	380
8/2/2004 11:45	FIELD BLANK	BNA-Water	Benzo(a)anthracene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Benzo(a)pyrene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Benzo(b)fluoranthene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Benzo(g,h,i)perylene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Benzo(k)fluoranthene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Bis(2-chloroethoxy)methane	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Bis(2-chloroethyl)ether	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
8/2/2004 11:45	FIELD BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	58
8/2/2004 11:45	FIELD BLANK	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
8/2/2004 11:45	FIELD BLANK	BNA-Water	Chrysene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
8/2/2004 11:45	FIELD BLANK	BNA-Water	Di-n-octyl phthalate	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Dibenzo(a,h)anthracene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Diethyl phthalate	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
8/2/2004 11:45	FIELD BLANK	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
8/2/2004 11:45	FIELD BLANK	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
8/2/2004 11:45	FIELD BLANK	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Endrin	1.4	ug/L	UJ	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
8/2/2004 11:45	FIELD BLANK	BNA-Water	Fluoranthene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Fluorene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Hexachlorobenzene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
8/2/2004 11:45	FIELD BLANK	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
8/2/2004 11:45	FIELD BLANK	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
8/2/2004 11:45	FIELD BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Isophorone	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.7
8/2/2004 11:45	FIELD BLANK	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.7
8/2/2004 11:45	FIELD BLANK	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
8/2/2004 11:45	FIELD BLANK	BNA-Water	Naphthalene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.7
8/2/2004 11:45	FIELD BLANK	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
8/2/2004 11:45	FIELD BLANK	BNA-Water	Phenanthrene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Phenol	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	Pyrene	0.96	ug/L	U	0.96	3.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.8
8/2/2004 11:45	FIELD BLANK	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.8

8/2/2004 10:00	OUTFALL D002	GC-Water	Alachlor	0.61	ug/L	U	0.61	2.4
8/2/2004 10:00	OUTFALL D002	GC-Water	Ametryn	0.051	ug/L	U	0.051	0.2
8/2/2004 10:00	OUTFALL D002	GC-Water	Atrazine	0.051	ug/L	U	0.051	0.2
8/2/2004 10:00	OUTFALL D002	GC-Water	Azinphos Methyl	0.051	ug/L	U	0.051	0.2
8/2/2004 10:00	OUTFALL D002	GC-Water	Bromacil	0.2	ug/L	U	0.2	0.82
8/2/2004 10:00	OUTFALL D002	GC-Water	Butylate	0.2	ug/L	U	0.2	0.82
8/2/2004 10:00	OUTFALL D002	GC-Water	Chlorpyrifos Ethyl	0.051	ug/L	U	0.051	0.2
8/2/2004 10:00	OUTFALL D002	GC-Water	Chlorpyrifos Methyl	0.1	ug/L	U	0.1	0.41
8/2/2004 10:00	OUTFALL D002	GC-Water	Diazinon	0.051	ug/L	U	0.051	0.2
8/2/2004 10:00	OUTFALL D002	GC-Water	Ethion	0.051	ug/L	UJ	0.051	0.204
8/2/2004 10:00	OUTFALL D002	GC-Water	Ethoprop	0.1	ug/L	U	0.1	0.41
8/2/2004 10:00	OUTFALL D002	GC-Water	Fenamiphos	0.2	ug/L	U	0.2	0.82
8/2/2004 10:00	OUTFALL D002	GC-Water	Fonofos	0.1	ug/L	U	0.1	0.41
8/2/2004 10:00	OUTFALL D002	GC-Water	Hexazinone	0.1	ug/L	U	0.1	0.41
8/2/2004 10:00	OUTFALL D002	GC-Water	Malathion	0.15	ug/L	UJ	0.153	0.612
8/2/2004 10:00	OUTFALL D002	GC-Water	Metalaxyl	0.26	ug/L	U	0.26	1
8/2/2004 10:00	OUTFALL D002	GC-Water	Metolachlor	0.51	ug/L	U	0.51	2
8/2/2004 10:00	OUTFALL D002	GC-Water	Metribuzin	0.1	ug/L	U	0.1	0.41
8/2/2004 10:00	OUTFALL D002	GC-Water	Mevinphos	0.2	ug/L	UJ	0.204	0.816
8/2/2004 10:00	OUTFALL D002	GC-Water	Naled	0.82	ug/L	UJ	0.816	3.27
8/2/2004 10:00	OUTFALL D002	GC-Water	Norflurazon	0.1	ug/L	U	0.1	0.41
8/2/2004 10:00	OUTFALL D002	GC-Water	Parathion Ethyl	0.15	ug/L	U	0.15	0.61
8/2/2004 10:00	OUTFALL D002	GC-Water	Parathion Methyl	0.1	ug/L	U	0.1	0.41
8/2/2004 10:00	OUTFALL D002	GC-Water	Phorate	0.051	ug/L	UJ	0.051	0.204
8/2/2004 10:00	OUTFALL D002	GC-Water	Prometryn	0.15	ug/L	U	0.15	0.61
8/2/2004 10:00	OUTFALL D002	GC-Water	Simazine	0.051	ug/L	U	0.051	0.2
8/2/2004 11:45	FIELD BLANK	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.3
8/2/2004 11:45	FIELD BLANK	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.19
8/2/2004 11:45	FIELD BLANK	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.19
8/2/2004 11:45	FIELD BLANK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.19
8/2/2004 11:45	FIELD BLANK	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
8/2/2004 11:45	FIELD BLANK	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
8/2/2004 11:45	FIELD BLANK	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.19
8/2/2004 11:45	FIELD BLANK	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
8/2/2004 11:45	FIELD BLANK	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.19
8/2/2004 11:45	FIELD BLANK	GC-Water	Ethion	0.048	ug/L	UJ	0.0476	0.19
8/2/2004 11:45	FIELD BLANK	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
8/2/2004 11:45	FIELD BLANK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
8/2/2004 11:45	FIELD BLANK	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
8/2/2004 11:45	FIELD BLANK	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
8/2/2004 11:45	FIELD BLANK	GC-Water	Malathion	0.14	ug/L	UJ	0.143	0.571
8/2/2004 11:45	FIELD BLANK	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.95
8/2/2004 11:45	FIELD BLANK	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.9
8/2/2004 11:45	FIELD BLANK	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
8/2/2004 11:45	FIELD BLANK	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19	0.762
8/2/2004 11:45	FIELD BLANK	GC-Water	Naled	0.76	ug/L	UJ	0.7619	3.05
8/2/2004 11:45	FIELD BLANK	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
8/2/2004 11:45	FIELD BLANK	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.57
8/2/2004 11:45	FIELD BLANK	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
8/2/2004 11:45	FIELD BLANK	GC-Water	Phorate	0.048	ug/L	UJ	0.0476	0.19
8/2/2004 11:45	FIELD BLANK	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.57
8/2/2004 11:45	FIELD BLANK	GC-Water	Simazine	0.048	ug/L	U	0.048	0.19
8/2/2004 10:00	OUTFALL D002	Metals-Water	Aluminum	64	ug/L		5	20

8/2/2004 10:00	OUTFALL D002	Metals-Water	Arsenic	6	ug/L	U	6	24
8/2/2004 10:00	OUTFALL D002	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/2/2004 10:00	OUTFALL D002	Metals-Water	Calcium	108	mg/L		0.05	0.2
8/2/2004 10:00	OUTFALL D002	Metals-Water	Chromium	2	ug/L	U	2	8
8/2/2004 10:00	OUTFALL D002	Metals-Water	Copper	1	ug/L	U	1	4
8/2/2004 10:00	OUTFALL D002	Metals-Water	Iron	56	ug/L		10	40
8/2/2004 10:00	OUTFALL D002	Metals-Water	Lead	0.063	ug/L	I	0.05	0.2
8/2/2004 10:00	OUTFALL D002	Metals-Water	Magnesium	10.1	mg/L		0.02	0.08
8/2/2004 10:00	OUTFALL D002	Metals-Water	Nickel	3.4	ug/L	I	2	8
8/2/2004 10:00	OUTFALL D002	Metals-Water	Selenium	7	ug/L	U	7	28
8/2/2004 10:00	OUTFALL D002	Metals-Water	Silver	0.01	ug/L	U	0.01	0.04
8/2/2004 10:00	OUTFALL D002	Metals-Water	Zinc	3	ug/L	U	3	12
8/2/2004 11:45	FIELD BLANK	Metals-Water	Aluminum	5	ug/L	U	5	20
8/2/2004 11:45	FIELD BLANK	Metals-Water	Arsenic	6	ug/L	U	6	24
8/2/2004 11:45	FIELD BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/2/2004 11:45	FIELD BLANK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
8/2/2004 11:45	FIELD BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
8/2/2004 11:45	FIELD BLANK	Metals-Water	Copper	1	ug/L	U	1	4
8/2/2004 11:45	FIELD BLANK	Metals-Water	Iron	10	ug/L	U	10	40
8/2/2004 11:45	FIELD BLANK	Metals-Water	Lead	0.05	ug/L	U	0.05	0.2
8/2/2004 11:45	FIELD BLANK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
8/2/2004 11:45	FIELD BLANK	Metals-Water	Nickel	2	ug/L	U	2	8
8/2/2004 11:45	FIELD BLANK	Metals-Water	Selenium	7	ug/L	U	7	28
8/2/2004 11:45	FIELD BLANK	Metals-Water	Silver	0.01	ug/L	U	0.01	0.04
8/2/2004 11:45	FIELD BLANK	Metals-Water	Zinc	3	ug/L	U	3	12
8/2/2004 10:00	OUTFALL D002	Nutrients-Liquid	Ammonia-N	0.021	mg N/L		0.01	0.02
8/2/2004 10:00	OUTFALL D002	Nutrients-Liquid	Kjeldahl Nitrogen	0.58	mg N/L		0.06	0.2
8/2/2004 10:00	OUTFALL D002	Nutrients-Liquid	NO2NO3-N	0.011	mg N/L		0.004	0.01
8/2/2004 10:00	OUTFALL D002	Nutrients-Liquid	O-Phosphate-P	0.007	mg P/L	I	0.004	0.01
8/2/2004 10:00	OUTFALL D002	Nutrients-Liquid	TSS	4	mg/L	I	4	16
8/2/2004 10:00	OUTFALL D002	Nutrients-Liquid	Total-P	0.044	mg P/L	I	0.02	0.06
8/2/2004 10:00	OUTFALL D002	Nutrients-Liquid	Turbidity	1.4	NTU		0.05	0.05
8/2/2004 11:45	FIELD BLANK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
8/2/2004 11:45	FIELD BLANK	Nutrients-Liquid	Kjeldahl Nitrogen	0.06	mg N/L	U	0.06	0.2
8/2/2004 11:45	FIELD BLANK	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
8/2/2004 11:45	FIELD BLANK	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
8/2/2004 11:45	FIELD BLANK	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
8/2/2004 10:00	OUTFALL D002	Overflow	Alpha, Total	10.1	pCi/L			
8/2/2004 10:00	OUTFALL D002	Overflow	Alpha-Counting Error	1.4	pCi/L			
8/2/2004 10:00	OUTFALL D002	Overflow	Radium 226	2.6	pCi/L			
8/2/2004 10:00	OUTFALL D002	Overflow	Radium 226-Counting Error	0.2	pCi/L			
8/2/2004 10:00	OUTFALL D002	Overflow	Radium 228	0.8	pCi/L	U		
8/2/2004 10:00	OUTFALL D002	Overflow	Radium 228-Counting Error	0.5	pCi/L			
8/2/2004 11:45	FIELD BLANK	Overflow	Alpha, Total	0.7	pCi/L	U		
8/2/2004 11:45	FIELD BLANK	Overflow	Alpha-Counting Error	0.5	pCi/L			
8/2/2004 11:45	FIELD BLANK	Overflow	Radium 226	0.1	pCi/L			
8/2/2004 11:45	FIELD BLANK	Overflow	Radium 226-Counting Error	0.1	pCi/L			
8/2/2004 11:45	FIELD BLANK	Overflow	Radium 228	0.9	pCi/L	U		
8/2/2004 11:45	FIELD BLANK	Overflow	Radium 228-Counting Error	0.6	pCi/L			

The Bioassay of Venice Minerals effluent sampled on August 2, 2004, NPDES #FL0179256.

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



The Priority Pollutants Analysis for Bioassay of Venice Minerals effluent sampled on August 2, 2004, NPDES #FL0179256.

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

