

Bioassays of

Napoli's Trailer Park WWTF

Duval County

NPDES #FL0043150

Sampled April 5, 2004

September 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Napoli's Trailer Park WWTF, 10200 Normandy Boulevard, Jacksonville, Duval County, Florida, NPDES #FL0043150. Effluent samples for this facility were collected on April 5, 2004.

Introduction

Napoli's Trailer Park Wastewater Treatment Facility has a permitted capacity of 0.015 MGD. The treatment system includes an: influent pump station, three aeration units in series (11,200- gallons total), a secondary clarifier, and a 610-gallon chlorine contact chamber. Residuals are held in a 1093-gallon aerated waste sludge holding tank prior to being hauled to a residuals management facility for further treatment and land application or the Buckman Reclamation Facility. Disinfection is performed using liquid hypochlorite solution. Dechlorination is performed using a solution of sodium sulfite.

The average facility flow from January 2003 through December 2003 was 0.0116 MGD. The facility is permitted to discharge 0.015 MGD annual average of treated effluent to an unnamed ditch that flows to an unnamed swamp (Class III fresh waters) at a discharge location D-001. A mixing zone is not present at this time.

The facility's NPDES permit does not require toxicity monitoring.

Methods

Samples were collected from the NPDES sampling point by Patrick O'Connor (FDEP Northeast District) 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_01,TA07_02, 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.

Additional tests were conducted on dechlorinated sample water, due to high total residual chlorine concentrations measured in the bioassay sample water.

Toxicity Test Results

Tests were performed April 6-8, 2004.

Ceriodaphnia dubia 48-hr acute screening bioassay – LC_{50} < 100%, 85%* mortality in 100% sample at 48 hours

Ceriodaphnia dubia 48-hr acute screening bioassay, **dechlorinated** – LC_{50} < 100%, 70%* 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

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

*NOTE: In a 48-hr acute screen 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.).

Total residual chlorine (TRC) was detected in the bioassay sample in the laboratory at a concentration of 0.365 mg/L, exceeding the Class III Fresh Water Quality Criterion of ≤ 0.01 mg/l (62-302.530 (19) F.A.C.). TRC concentrations as low as 0.028 mg/L have been found to be acutely toxic to some freshwater fish and invertebrates (EPA *Quality Criteria for Water* 1986, EPA 44015-86-001, 1986). As an aid in determining both chlorine and potential non-chlorine toxicity in the bioassay sample, additional tests were performed on an aliquot of sample that was dechlorinated by the addition of 0.4 ml of 0.025N sodium thiosulfate per liter of sample. The dechlorinated results demonstrated that the noted toxicity was at least in part attributable to the chlorine concentration in the sample. The tests also demonstrated that a toxic concentration of an additional component(s) was present in the sample.

See Appendix 1 for bioassay bench sheets.

Algal Growth Potential

The effluent AGP was 64.8 mg dry wt/L 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 effluent AGP was more than 12 times the “problem” threshold. The analytical chemistry data suggests that the effluent is nitrogen-limited. The predicted AGP based on TSIN nitrogen concentration was 88.8 (±20%) mg dry wt/L (Table 2). Differences between actual and predicted values greater than an order of magnitude would indicate there may be potential algal inhibition, which would need further testing to verify, however differences were not this extreme in for this AGP result.

See Table 1 for AGP results.

Chemistry Results

Total ammonia in the sample preserved for chemical analysis was 0.038 mg/L. The calculated unionized ammonia concentration, based on the temperature, salinity, and pH of the effluent when collected, was < 0.001 mg/L. Total ammonia was not detected in the bioassay sample.

Cadmium, copper and zinc were detected in the effluent above the practical quantitation level (PQL), while aluminum, iron and lead were detected in the effluent sample above the minimum detection limit and below the PQL. Metals in the effluent complied with Class III Fresh Water Quality Criteria (Chapter 62-302.530 F.A.C.)

See Table 2 for results of analytes detected in the effluent.

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

Conclusion

The effluent samples collected from Napoli’s Trailer Park WWTF on April 5, 2004 showed unacceptable acute toxicity to the water flea during the 48-hour bioassay tests. Both chlorinated and dechlorinated effluent samples showed unacceptable acute toxicity, suggesting that unidentified compounds other than chlorine contributed to the observed toxicity. The effluent AGP result exceeded the "problem” threshold for fresh receiving waters. Total residual chlorine in the effluent sample (0.365 mg/L) exceeded the Class III Fresh Water Quality Criterion of ≤ 0.01 mg/L (62-302.530(19) F.A.C.).

Literature Cited

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 inorganic nitrogen (TSIN) limitation

Napoli's Trailer Park WWTF	AGP (measured)	Predicted AGP (TSIN) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent (mg dry wt/L)	64.8	88.8 ± 17.8	0.8	0.9

Table 2. Effluent limits, Class III Criteria and chemical data for the effluent sample from Napoli's Trailer Park WWTF.

Napoli's Trailer Park WWTF	Class III Stds	Effluent Limits	Effluent Samples
Organic Constituents (µg/L)			
None Detected	-	-	-
Metals (µg/L unless otherwise noted)			
Aluminum	-	-	12 I
Arsenic	≤ 50	-	5 UJ
Cadmium	≤ 2.1 b	-	0.14
Calcium (mg/L)	-	-	71
Chromium-III	≤ 167 b	-	2 U
Copper	≤ 18.6 b	-	5.4
Iron	≤ 1000	-	16 I
Lead	≤ 8.9 b	-	0.2 I
Magnesium (mg/L)	-	-	11.4
Nickel	≤ 103.3 b	-	2 U
Selenium	≤ 5	-	1 U
Silver	≤ 0.07	-	0.02 U
Zinc	≤ 237.5 b	-	50.8
Nutrients (mg/L)			
Ortho-phosphate	-	Report	3.1
Total Phosphorus	-	Report	3.2 A
Ammonia	-	3.2 s	0.038 A
Unionized Ammonia	≤ 0.02	≤ 0.02	≤ 0.02
Nitrate+Nitrite	-	Report	2.3
Total Kjeldahl Nitrogen	-	Report	0.73 A
Organic Nitrogen	-	-	0.69 c
Total Nitrogen	-	-	3.03 c
General Physical and Chemical Parameters			
TSS (mg/L)	-	60.0 s	4 U
Dissolved Oxygen (mg/L)	≥ 5	≥ 5	5.4
pH (S.U.)	6.0-8.5	6.0-8.5	7.3
Conductivity (umhos/cm)	≤ 1275	-	588
Temperature (C)	-	-	18.8
Flow (MGD)	-	0.015 a	-
Hardness (mg/L)	-	-	224.2 c
Total residual chlorine (bioassay sample)(mg/L)	-	-	0.365

a - Annual average
b - Value is calculated based on hardness
c - Value is calculated.
A - Value reported is the mean of two or more determinations
I - Value reported is < the minimum quantitation limit, and ≥ the minimum detection limit
J - Estimated value
U - Material analyzed for but not detected; value reported is the minimum detection limit
s - Single sample

Appendix 1
Bioassay Bench Sheets

FDEP Biology Section - Acute Screening Bioassay Bench Sheets

Facility: Naval Air Station Whiting Field — Sample Collection: — Date: 4/05/04 — Time: 810

Address: 1200 Normandy Boulevard

City: Jacksonville — County: Duval

Contact/District: Patrick O'Connor / NE

NPDES Permit #: FL 0043652

LIMS Job #: TH-2004-04-06-37 — LIMS Sample #: 746538

Lims Data Entry: 4/8/04 MF — Data Entry Verification: 4/8/04 CAP

Instructions (for below): Circle appropriate wording. If yes is circled complete blanks.

Test Type: Screening / (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: ___ 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 0.4 mL of 0.025N Sodium Thiosulfate per liter of sample. Final TRC 0.05mg/L

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)

Comments: -TRC of sample was 0.05
- Dechlorinated control = DMW + equivalent with 0.4 ml of 0.025N Sodium Thiosulfate per liter

Temperature Range °C

Incubator #: 3 Range 24.0-26.5°C

Room B246: 24.5-26.0°C

Waterbath: N/A

Investigators' Signatures

Lynnette Davis

Joan Steidl

Marshall Faircloth

Janet Pittman

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	—	CAP	
Lab Total Residual Cl2 (mg/L):	<0.03				<0.03	0.365	HACH	SR / CAP	JO
Alkalinity (mg/L as $CaCO_3$):	102				62	236	HACH	JD	CAP
Hardness (mg/L as $CaCO_3$):	123				137	235	HACH	JD	CAP
Total Ammonia (mg/L as N):	<0.017				<0.017	<0.017	DENVER	MF	CAP
Salinity (ppt):	<1	<1 CAP			<1	<1	YSI	CAP	JD

This LIMS sheet marked as Backup

RETRIEVER

V.2 2/26/04

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FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 746537 Test #: 1 Test Started: Date 4/6/04 Time: 1430

Organism: C. dubia Test Ended: Date 4/8/04 Time: 1415

Organism Batch: 12 Diluent/ Batch: DMW, #11

Organism Age: <24hrs Food: YCT *R. subcapitata* *Artemia*

Chamber Size 30 mL Batch: 2 24

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	G4	5	5	5			
	B	G14	5	5	5			
	C	G16	5	5	5			
	D	G8	5	5	5			
Dechl. CTRL	A	H1	5	5	5			
	B	H7	5	5	5			
	C	H3	5	5	5			
	D	H5	5	5	5			
100%	A	G20	5	5	0 5D			
	B	G22	5	3 2D	0 3D			
	C		5	5	2 3D			
	D		5	5	1 4D			
Dechl. 100%	A		5	5	1 4D			
	B		5	5	3 2D			
	C		5	5	2 3D			
	D		5	5	0 5D			

Organisms loaded by: SS Checked by: CAP (initials) 5D MF

Loading Verified by: CAP

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

Comments: % dead in dechlorinated test = 70%. LC50 = <100%. mf 4/8/04

Test Results:

% mortality in 100% sample 85%

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).

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V.1 2/23/04

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 746538 Test #: 2 Test Started: Date 4/6/04 Time: 1410

Organism: P. promelas Test Ended: Date 4/9/04 Time: 1400

Organism Batch: 10 Diluent/ Batch: MHW 1 #7

Organism Age: 11 days Food: YCT *P. subcapitata* Artemia

Chamber Size 1000 mL Batch: — — 01940256

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	G4	5	5	5			
	B	G14	5	5	5			
	C	G16	5	5	5			
	D	G18	5	5	5			
Dechl. CTRL	A	H1	5	5	5			
	B	H2	5	5	5			
	C	H3	5	5	5			
	D	H5	5	5	5			
100%	A	G20	5	5	5			
	B	G22	5	5	5			
	C	G23	5	5	5			
	D	G24	5	5	5			
Dechl. 100%	A	C7	5	5	5			
	B	C8	5	5	5			
	C	C9	5	5	5			
	D	C10	5	5	5			

Organisms loaded by: CO Checked by: JD JD CAP

Loading Verified by: CAP (initials)

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

Comments: 100% survival in the 100% sample and in the dechlorinated sample at 48 hours

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).

Bioassay Parameters

LIMS Sample # : 746538 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		B			
pH (S.U.)	8.1		8.0			
Temperature °C	24.0		24.0			
Dissolved Oxygen mg/L	7.8		7.7			
Conductivity ~~µmhos~~ mmhos	274 µ		280			
(initials) Measured by:	JD		CAP			
(initials) Recorded by:	JD		CAP			

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		B			
pH (S.U.)	8.0		8.0			
Temperature °C	24.1		24.1			
Dissolved Oxygen mg/L	7.7		7.5			
Conductivity ~~µmhos~~ mmhos	525 µ		520			
(initials) Measured by:	JD		CAP			
(initials) Recorded by:	JD		CAP			

Comments:

Concentration Decpl. CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		B			
pH (S.U.)	8.2		8.1			
Temperature °C	24.2		24.1			
Dissolved Oxygen mg/L	7.8		7.5			
Conductivity ~~µmhos~~ mmhos	199 µ		200			
(initials) Measured by:	JD		CAP			
(initials) Recorded by:	JD		CAP			

Comments:

Concentration Decpl. 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		B			
pH (S.U.)	8.1		8.0			
Temperature °C	24.2		24.0			
Dissolved Oxygen mg/L	7.7		7.5			
Conductivity ~~µmhos~~ mmhos	547 µ		550			
(initials) Measured by:	JD		CAP			
(initials) Recorded by:	JD		CAP			

Comments:

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Bioassay Parameters

LIMS Sample # : 746538 **Test # :** 2 of 2

TEST SOP: TA-07- 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.)	7.8	7.8	7.9			
Temperature °C	25.2	24.2	24.0			
Dissolved Oxygen mg/L	8.0	8.9	7.7			
Conductivity µmhos mmhos	290	417µ	410			
(initials) Measured by:	CAP	JD	CAP			
(initials) Recorded by:	CAP	JD	CAP			

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	8.4	8.2			
Temperature °C	24.8	25.1	24.2			
Dissolved Oxygen mg/L	7.9	8.7	7.9			
Conductivity µmhos mmhos	590	594µ	600			
(initials) Measured by:	CAP	JD	CAP			
(initials) Recorded by:	CAP	JD	CAP			

Comments:

Concentration Dechl. CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	8.0	7.2	8.0			
Temperature °C	24.5	24.0	24.1			
Dissolved Oxygen mg/L	7.9	8.9	7.9			
Conductivity µmhos mmhos	290	322µ	320			
(initials) Measured by:	CAP	JD	CAP			
(initials) Recorded by:	CAP	JD	CAP			

Comments:

Concentration Dechl. 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	7.7	8.3	8.1			
Temperature °C	25.0	25.2	24.1			
Dissolved Oxygen mg/L	7.7	7.9	7.8			
Conductivity µmhos mmhos	550	587µ	595			
(initials) Measured by:	CAP	JD	CAP			
(initials) Recorded by:	CAP	JD	CAP			

Comments:

[redacted]

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Appendix 2. Analyte list for Napoli's Trailer Park WWTF effluent sampled March 9, 2004

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	Bio-AGP/LimNut	Algal Growth Potential	64.8	mg DryWt/L		0.1	0.3
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	K		
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	Bio-Toxicology	Bioassay-Acute-Scrn-FW-Fish,LC50-dechlr	100	LC50	L		
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	Bio-Toxicology	Bioassy-Acute-Scrn-FW-Cdubia,LC50-dechlr	100	LC50	K		
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	1,2,4-Trichlorobenzene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	1,2-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	1,3-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	1,4-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2,4,6-Trichlorophenol	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2,4-Dichlorophenol	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2,4-Dimethylphenol	49	ug/L	U	49	200
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	59
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2,4-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2,6-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2-Chloronaphthalene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2-Chlorophenol	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	2-Nitrophenol	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	3,3'-Dichlorobenzidine	39	ug/L	U	39	160
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	4-Bromophenyl phenyl ether	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	4-Chloro-3-methylphenol	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	7.8
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	4-Nitrophenol	15	ug/L	U	15	59
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Acenaphthene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Acenaphthylene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Aldrin	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Anthracene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Benzidine	98	ug/L	U	98	390
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Benzo(a)anthracene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Benzo(a)pyrene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Benzo(b)fluoranthene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Benzo(g,h,i)perylene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Benzo(k)fluoranthene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Bis(2-chloroethoxy)methane	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Bis(2-chloroethyl)ether	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	59
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Butyl benzyl phthalate	4.9	ug/L	U	4.9	20
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Chrysene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Di-n-butyl phthalate	4.9	ug/L	U	4.9	20
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Di-n-octyl phthalate	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Dibenzo(a,h)anthracene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Diethyl phthalate	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Dimethyl phthalate	49	ug/L	U	49	200
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Endosulfan I	3.9	ug/L	U	3.9	16
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Endosulfan II	3.9	ug/L	U	3.9	16
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Endrin	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Endrin aldehyde	3.9	ug/L	U	3.9	16
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Fluoranthene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Fluorene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	5.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Hexachlorobenzene	0.98	ug/L	U	0.98	3.9
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
4/5/2004 8:05	NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12

Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Indeno(1,2,3-cd)pyrene	0.98	ug/L	U	0.98	3.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Isophorone	0.98	ug/L	U	0.98	3.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	7.8
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	7.8
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Naphthalene	0.98	ug/L	U	0.98	3.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Nitrobenzene	2	ug/L	U	2	7.8
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Phenanthrene	0.98	ug/L	U	0.98	3.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Phenol	0.98	ug/L	U	0.98	3.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	Pyrene	0.98	ug/L	U	0.98	3.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	5.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	5.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	5.9
NAPOLI MHP WWTP FINAL EFFLUENT	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	5.9
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Chlorpyrifos Methyl	0.097	ug/L	U	0.097	0.388
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Ethoprop	0.097	ug/L	U	0.097	0.388
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Fonofos	0.097	ug/L	U	0.097	0.388
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Hexazinone	0.097	ug/L	U	0.097	0.388
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Metalaxyl	0.24	ug/L	UJ	0.24	0.96
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Metribuzin	0.097	ug/L	U	0.097	0.388
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19	0.76
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Naled	0.78	ug/L	U	0.78	3.12
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Norflurazon	0.097	ug/L	U	0.097	0.388
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Parathion Methyl	0.097	ug/L	U	0.097	0.388
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
NAPOLI MHP WWTP FINAL EFFLUENT	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Aluminum	12	ug/L	I	5	20
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Arsenic	5	ug/L	UJ	5	20
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Cadmium	0.14	ug/L		0.025	0.1
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Calcium	71	mg/L		0.05	0.2
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Chromium	2	ug/L	U	2	8
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Copper	5.4	ug/L		1	4
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Iron	16	ug/L	I	5	20
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Lead	0.2	ug/L	I	0.05	0.2
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Magnesium	11.4	mg/L		0.02	0.08
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Nickel	2	ug/L	U	2	8
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Selenium	1	ug/L	U	1	4
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
NAPOLI MHP WWTP FINAL EFFLUENT	Metals-Water	Zinc	50.8	ug/L		2	8
NAPOLI MHP WWTP FINAL EFFLUENT	Nutrients-Liquid	Ammonia-N	0.038	mg N/L	A	0.01	0.02
NAPOLI MHP WWTP FINAL EFFLUENT	Nutrients-Liquid	NO2NO3-N	2.3	mg N/L		0.02	0.05
NAPOLI MHP WWTP FINAL EFFLUENT	Nutrients-Liquid	N_KJEL_TOT	0.73	mg N/L	A	0.06	0.2
NAPOLI MHP WWTP FINAL EFFLUENT	Nutrients-Liquid	O-Phosphate-P	3.1	mg P/L		0.16	0.4

Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
NAPOLI MHP WWTP FINAL EFFLUENT	Nutrients-Liquid	TSS	4	mg/L	U	4	16
NAPOLI MHP WWTP FINAL EFFLUENT	Nutrients-Liquid	Total-P	3.2	mg P/L	A	0.2	0.6
EQUIPMENT BLANK	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
EQUIPMENT BLANK	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
EQUIPMENT BLANK	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
EQUIPMENT BLANK	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
EQUIPMENT BLANK	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
EQUIPMENT BLANK	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
EQUIPMENT BLANK	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Benzidine	95	ug/L	U	95	380
EQUIPMENT BLANK	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
EQUIPMENT BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
EQUIPMENT BLANK	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
EQUIPMENT BLANK	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
EQUIPMENT BLANK	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
EQUIPMENT BLANK	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
EQUIPMENT BLANK	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
EQUIPMENT BLANK	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
EQUIPMENT BLANK	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
EQUIPMENT BLANK	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
EQUIPMENT BLANK	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11

Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
EQUIPMENT BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
EQUIPMENT BLANK	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
EQUIPMENT BLANK	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
EQUIPMENT BLANK	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
EQUIPMENT BLANK	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
EQUIPMENT BLANK	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
EQUIPMENT BLANK	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
EQUIPMENT BLANK	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
EQUIPMENT BLANK	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
EQUIPMENT BLANK	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
EQUIPMENT BLANK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
EQUIPMENT BLANK	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
EQUIPMENT BLANK	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
EQUIPMENT BLANK	GC-Water	Chlorpyrifos Ethyl	0.051	ug/L	U	0.048	0.192
EQUIPMENT BLANK	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
EQUIPMENT BLANK	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
EQUIPMENT BLANK	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
EQUIPMENT BLANK	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
EQUIPMENT BLANK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
EQUIPMENT BLANK	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
EQUIPMENT BLANK	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
EQUIPMENT BLANK	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
EQUIPMENT BLANK	GC-Water	Metalaxyl	0.24	ug/L	UJ	0.24	0.96
EQUIPMENT BLANK	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
EQUIPMENT BLANK	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
EQUIPMENT BLANK	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19	0.76
EQUIPMENT BLANK	GC-Water	Naled	0.76	ug/L	U	0.76	3.04
EQUIPMENT BLANK	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
EQUIPMENT BLANK	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
EQUIPMENT BLANK	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
EQUIPMENT BLANK	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
EQUIPMENT BLANK	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
EQUIPMENT BLANK	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
EQUIPMENT BLANK	Metals-Water	Aluminum	5	ug/L	U	5	20
EQUIPMENT BLANK	Metals-Water	Arsenic	5	ug/L	UJ	5	20
EQUIPMENT BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
EQUIPMENT BLANK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
EQUIPMENT BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
EQUIPMENT BLANK	Metals-Water	Copper	1	ug/L	U	1	4
EQUIPMENT BLANK	Metals-Water	Iron	5	ug/L	U	5	20
EQUIPMENT BLANK	Metals-Water	Lead	0.05	ug/L	U	0.05	0.2
EQUIPMENT BLANK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
EQUIPMENT BLANK	Metals-Water	Nickel	2	ug/L	U	2	8
EQUIPMENT BLANK	Metals-Water	Selenium	1	ug/L	U	1	4
EQUIPMENT BLANK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
EQUIPMENT BLANK	Metals-Water	Zinc	2	ug/L	U	2	8
EQUIPMENT BLANK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
EQUIPMENT BLANK	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
EQUIPMENT BLANK	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
EQUIPMENT BLANK	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
EQUIPMENT BLANK	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06

The Bioassay of Napoli's Trailer Park Wastewater Treatment Facility effluent sampled on 5 April 2004, NPDES #FL0043150.

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

Transaction Code		NPDES NUMBER									YR/MO/DA						Insp Type	Inspector	Fac Type
1	N	2	5	3	F	L	0	0	4	3	1	5	0	11 12	0	4	0	4	0	5	18 **B**	19 **S**	20 1

Remarks

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The Priority Pollutants Analysis for Bioassay of Napoli's Trailer Park Wastewater Treatment Facility effluent sampled on 5 April, 2004, NPDES #FL0043150.

F

Transaction Code		NPDES NUMBER									YR/MO/DA						Insp Type	Inspector	Fac Type
1	N	2	5	3	F	L	0	0	4	3	1	5	0	11 12	0	4	0	4	0	5	18 **X**	19 **S**	20 1

Remarks

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