


Bioassays of

# The Royal Court Mobile Home Park South Wastewater Treatment Facility

Duval County

NPDES #FL0043141

Sampled February 23, 2004

June 2004

**Biology Section**
**Bureau of Laboratories**
**Division of Resource Assessment and Management**

Quality Manual No. 870346G
NELAC Certification No. E31780

The Royal Court Mobile Home Park South Wastewater Treatment Facility, 5470 Timuquana Road, Jacksonville, Duval County, Florida, NPDES #FL0043141. Effluent samples for this facility were collected on February 23, 2004.

## Introduction

This wastewater treatment facility has a design flow of 0.015 million gallons per day (MGD) and an average daily flow of 0.0146 MGD (based on flow data from January – November 2003). Treatment includes an influent pump station, three 5,000-gallon aeration tanks, a 1,250-gallon secondary clarifier, a 600-gallon chlorine contact chamber, and a 600-gallon dechlorination and post-aeration tank. Residuals are held in an aerated tank prior to hauling to a residuals management facility for further treatment and land application. Disinfection is performed using chlorine tablets that are placed in the clarifier trough. Dechlorination is provided through detention time in the effluent pipe. There is no mixing zone. The facility is currently permitted to discharge effluent to a stormwater drain that flows to the Ortega River (Class III fresh waterbody) at discharge location D-001. However, the permit will be revised to state the actual destination of the effluent. At the time of this inspection, the effluent was flowing west through a stormwater system and discharging to an open storm drain just before flowing into the Class III fresh waters of Fishing Creek (facility information provided by Kathleen Gerard, FDEP, Jacksonville).

## Methods

Samples were collected from the NPDES sampling point by Kathleen Gerard (FDEP-Northeast District, Jacksonville) 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.

## Toxicity Test Results

Tests were performed February 24-26, 2004.

*Ceriodaphnia dubia* 48-hr acute screening bioassay – Toxic; $LC_{50}$ < 100%, 100% mortality in 100% sample in 40 minutes

*Ceriodaphnia dubia* 48-hr acute screening bioassay – Not Toxic; $LC_{50}$ > 100%, 0% mortality in 100% **dechlorinated** sample at 48 hours

*Pimephales promelas* 48-hr acute screening bioassay – Toxic; $LC_{50}$ < 100%, 100% mortality in 100% sample in 40 minutes

*Pimephales promelas* 48-hr acute screening bioassay – Not Toxic; $LC_{50}$ > 100%, 0% mortality in 100% **dechlorinated** sample at 48 hours

The bioassay tests on the effluent as received in the laboratory showed unacceptable toxicity as defined by the facility's NPDES permit. The permit defines unacceptable toxicity as, "greater than 20% mortality in 100% effluent for either test species".

See Table 1 for bioassay bench sheets.

## Algal Growth Potential

The effluent AGP was 0.803 mg dry wt/L of the unicellular green alga, *Pseudokirchneriella subcapitata*, (formerly known as *Selenastrum capricornutum)*. Raschke and Shultz (1987) found that AGP values above 5.0 mg dry weight/L represent a “problem” threshold for fresh receiving waters, implying nutrient enrichment. There was no indication of potential algal growth inhibition based upon the effluent nutrient concentrations.

See Table 2 for AGP results.

## Chemistry Results

Total ammonia was not detected in the bioassay samples in the laboratory or in the preserved sample tested at the FDEP Chemistry Laboratory.

Total residual chlorine (TRC) was detected in the field in the effluent at a concentration of 2.22 mg/L. TRC was detected in the laboratory at a concentration of 2.00 mg/L. The effluent TRC concentrations exceeded the facility permit limit and the Class III Fresh Water Quality Criterion of $\leq$ 0.01 mg/L (62-302.530(19) F.A.C.). An aliquot of the bioassay sample was dechlorinated (see **Toxicity Results**) prior to testing by the addition of 2.0 ml of Sodium thiosulfate (0.025 N) per liter of sample to neutralize the chlorine.

The organic pollutant diethyl phthalate was detected in the effluent sample at a level above the method detection limit (MDL) and below the practical quantitation level (PQL).

Aluminum, iron, lead, and zinc were detected in the effluent above the PQL; cadmium and copper were detected in the effluent at levels above the MDL but below the PQL. All effluent metals complied with Class III Fresh Water Quality Criteria (62-302.530 F.A.C.).

The effluent sample had 7 mg/L of TSS, which complied with facility permit limits.

See Table 3 for results of analytes detected in the effluent.
See Appendix 1 for a complete list of chemical analyses performed.

## Conclusion

Effluent samples collected from this facility on February 23, 2004 showed unacceptable acute toxicity to both test species during the 48-hour bioassay tests. Toxicity is partially attributed to the total residual chlorine concentration in the bioassay sample. However, unidentified constituents in the sample cannot be ruled out as contributing to the observed mortality as the sodium thiosulfate addition can effect constituents in the sample other than chlorine. The effluent AGP result was less than the "problem” threshold for fresh receiving waters. Effluent TRC concentration exceeded the facility permit limit and the Class III Fresh Water Quality Criterion of ≤ 0.01 mg/L (62-302.530(19) F.A.C.).

## 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.

**Table 1.** Data recorded during the 48-hour acute screening bioassays of a sample of effluent from the Royal Court Mobile Home Park South Wastewater Treatment Facility, 5470 Timuquana Road, Jacksonville, Duval County, Florida, NPDES# FL0043141, performed from 24 to 26 February 2004.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Facility: | **Royal Court Mobile Home Park South WWTF** | | **NPDES #:** | **FL0043141** | Facility Type: | **Wastewater** | **Analysts:** | Marshall Faircloth |
| Location: | 5470 Timuquana Road, Jacksonville | | Contact/District: | O'Connor/NE | | **Treatment Facility** | | Joshua Ayres |
| County: | Duval | | Test type: | static acute screen | | | | James Daniels |
| Sample Collection Date: | 2/23/2004 | Time: 1000 | # tests: | 2 | Receiving Water: | Fishing Creek | | Christa A. Pierini |
| Test Beginning Date: | 2/24/2004 | Time: 1515 | Chlorination Type: | chlorinated | | Class III freshwater | | Sarah Prichard |
| Test Ending Date: | 2/26/2004 | Time: 1400 | FDEP SOP#: | TA07_01 / 02 | | **Page 1 of 1** | **Reviewer:** | Julie Espy |

100% sample was dechlorinated using 0.025N Sodium thiosulfate at the rate of 2 ml per liter of sample.
100% mortality for both test species in 100% sample within 40 minutes of loading.

Organism: ***Ceriodaphnia dubia*** (water flea) Life stage: <24 hours Chamber size: 30 mL [A]Feeding: YCT/Algae Food Batch #: #1/#24

| | Sample/Diluent | SURVIVAL # Alive | | | pH | | | [B]Temperature ( C) | | | Diss. Oxygen (mg/L) | | | [C]Conductivity | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Concentrations | Volume(mL) | 0 hr | 24 hr | 48 hr | 0 hour | 24 hour | 48 hour | 0 hour | 24 hour | 48 hour | 0 hour | 24 hour | 48 hour | 0 hour | 48 hour |
| Control A | 0/20 | 5 | 5 | 5 | 7.9 | - | 8.2 | 24.4 | - | 24.4 | 7.6 | - | 7.4 | 187 | 220 |
| Control B | 0/20 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Control C | 0/20 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Control D | 0/20 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. Ctrl A | 0/20 | 5 | 5 | 5 | 8.1 | - | 8.2 | 24.4 | - | 24.7 | 7.7 | - | 7.4 | 199 | 225 |
| Dechl. Ctrl B | 0/20 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. Ctrl C | 0/20 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. Ctrl D | 0/20 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. 100% A | 20/0 | 5 | 5 | 5 | 7.6 | - | 8.4 | 25.0 | - | 24.5 | 7.7 | - | 7.5 | 550 | 600 |
| Dechl. 100% B | 20/0 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. 100% C | 20/0 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. 100% D | 20/0 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| 100% A | 20/0 | 5 | 0 | - | 7.5 | - | - | 25.4 | - | - | 7.6 | - | - | 565 | - |
| 100% B | 20/0 | 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 100% C | 20/0 | 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 100% D | 20/0 | 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - |

Organism: ***Pimephales promelas*** (fish) Life stage: 4 days Chamber size: 1000 mL [A]Feeding: *Artemia* Food Batch #: 0194025G

| | Sample/Diluent | SURVIVAL # Alive | | | pH | | | [B]Temperature ( C) | | | Diss. Oxygen (mg/L) | | | [C]Conductivity | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Concentrations | Volume(mL) | 0 hr | 24 hr | 48 hr | 0 hour | 24 hour | 48 hour | 0 hour | 24 hour | 48 hour | 0 hour | 24 hour | 48 hour | 0 hour | 48 hour |
| Control A | 0/500 | 5 | 5 | 5 | 8.0 | - | - | 24.1 | - | - | 7.8 | - | - | 330 | - |
| Control B | 0/500 | 5 | 5 | 5 | - | 8.0 | - | - | 25.3 | - | - | 7.5 | - | - | - |
| Control C | 0/500 | 5 | 5 | 5 | - | - | 8.0 | - | - | 24.0 | - | - | 7.0 | - | 340 |
| Control D | 0/500 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. Ctrl A | 0/500 | 5 | 5 | 5 | 8.0 | - | - | 24.1 | - | - | 7.8 | - | - | 345 | - |
| Dechl. Ctrl B | 0/500 | 5 | 5 | 5 | - | 8.0 | - | - | 24.0 | - | - | 7.5 | - | - | - |
| Dechl. Ctrl C | 0/500 | 5 | 5 | 5 | - | - | 8.1 | - | - | 26.0 | - | - | 7.1 | - | 365 |
| Dechl. Ctrl D | 0/500 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| Dechl. 100% A | 500/0 | 5 | 5 | 5 | 7.7 | - | - | 24.7 | - | - | 7.8 | - | - | 550 | - |
| Dechl. 100% B | 500/0 | 5 | 5 | 5 | - | 8.1 | - | - | 24.9 | - | - | 7.3 | - | - | - |
| Dechl. 100% C | 500/0 | 5 | 5 | 5 | - | - | 8.0 | - | - | 25.2 | - | - | 7.2 | - | 590 |
| Dechl. 100% D | 500/0 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| 100% A | 500/0 | 5 | 0 | - | 7.5 | - | - | 24.9 | - | - | 7.7 | - | - | 555 | - |
| 100% B | 500/0 | 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 100% C | 500/0 | 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 100% D | 500/0 | 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - |

| LIMS | |
|---|---|
| Job number: | TLH-2004-02-24-02 |
| sample number: | 737168 |

| Data Transcription Verification |
|---|
| date: 4/15/04 |
| by: James Daniels/Cathy Oaks |

| Total Residuam Cl2 | mg/L | Method |
|---|---|---|
| Field 100% sample: | 2.22 | field meter |
| Lab 100% sample: | 2.00 | Hach |
| Lab dechl. sample: | 0.07 | Hach |
| Ctrl water (flea): | <0.03 | Hach |
| Ctrl water (fish): | <0.03 | Hach |

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

| Alk & Hardness | Alkalinity (mg/L) | Hardness (mg/L) |
|---|---|---|
| Control water (water flea): | 85 | 87 |
| Control water (fish): | 82 | 91 |
| 100% Sample: | 155 | 175 |

| Mortality | Percent |
|---|---|
| Control water (water flea): | 0% |
| 100% sample (water flea): | 100% |
| Control water (fish): | 0% |
| 100 % sample (fish): | 100% |

[A]Organisms fed prior to testing.
[B]Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
[C]Conductivity value is uncorrected µmhos/cm.
Room Temperature range for test was 23.5 - 24.5°C.
Incubator #3 temperature range for test was 22.5 - 24.0°C.
Light Intensity during the test was 50-100 foot candles.
Photoperiod during test was 16 hours of light : 8 hours of dark.

**Table 2.** *Measured and predicted algal growth potential (AGP) for total soluble nitrogen (TSIN) limitation in mg dry weight/L*

| Location | Effluent Sample |
|---|---|
| AGP (measured) | 0.803 |
| Predicted AGP (TSIN) ± 20% | 1.63 ± 0.326 |
| Inorganic N:P ratio | 0.04 |

**Table 3**. *Effluent limits, Class III Criteria and chemical data*

| Royal Court Mobile Home Park South WWTF | Class III Stds | Effluent Limits | Effluent Sample |
|---|---|---|---|
| **Organic Constituents (µg/L)** | | | |
| Diethyl phthalate | - | - | 1.2 I |
| **Metals (µg/L unless otherwise noted)** | | | |
| Aluminum | - | - | 88 |
| Arsenic | ≤ 50 | - | 9 U |
| Cadmium | ≤ 1.8 b | - | 0.075 I |
| Calcium (mg/L) | - | - | 45.9 |
| Chromium-III | ≤ 141.1 b | - | 3 U |
| Copper | ≤ 15.6 b | - | 3.1 I |
| Iron | ≤ 1000 | - | 291 |
| Lead | ≤ 6.8 b | - | 0.46 |
| Magnesium (mg/L) | - | - | 16.5 |
| Nickel | ≤ 86.8 b | - | 4 U |
| Selenium | ≤ 5 | - | 1 U |
| Silver | ≤ 0.07 | - | 0.02 U |
| Zinc | ≤ 199.5 b | - | 51 |
| **Nutrients (mg/L)** | | | |
| Ortho-phosphate | - | Report | 0.98 |
| Total Phosphorus | - | Report | 1.2 |
| Ammonia | - | 4.0 s | 0.02 U |
| Unionized Ammonia | ≤ 0.02 | ≤ 0.02 | ≤ 0.02 c |
| Nitrate+Nitrite | - | Report | 0.043 |
| Total Kjeldahl Nitrogen | - | - | 2.5 |
| Organic Nitrogen | - | Report | 2.5 c |
| Total Nitrogen | - | Report | 2.54 c |
| **General Physical and Chemical Parameters** | | | |
| Dissolved Oxygen (mg/L) | ≥ 5 | ≥ 6 | 10.2 |
| pH (S.U.) | - | 6.0 - 8.5 | 8.2 |
| Conductivity (umhos/cm) | ≤ 1275 | - | 650 |
| Temperature (C) | - | - | 14.8 |
| Hardness (mg/L) | - | - | 182.6 c |
| TSS | - | 60.0 s | 7 IQ |
| Total Residual Chlorine (mg/L) (100% lab) | ≤ 0.01 | ≤ 0.01 | 2.00 |
| Total Residual Chlorine (mg/L) (100% field) | ≤ 0.01 | ≤ 0.01 | 2.22 |

A - Value reported is the mean of two or more determinations.
b - Value is calculated based on hardness
c - Calculated value.
Single sample value.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q - Sample held beyond normal holding time.
U - Material was analyzed for but not detected. The value reported is the minimum detection limit.

**Appendix 1. Chemical analyses performed on the effluent from the Royal Court Mobile Home Park South Wastewater Treatment Facility sampled on February 23, 2004**

| DATE SAMPLED | FIELD ID | ANALYSIS GROUP | COMPONENT | RESULT | UNITS | REMARK | MDL | PQL |
|---|---|---|---|---|---|---|---|---|
| 02/23/04 | EQUIP BLANK | BNA-Water | 1,2,4-Trichlorobenzene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 1,2-Dichlorobenzene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 1,3-Dichlorobenzene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 1,4-Dichlorobenzene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2,4,5-Trichlorophenol | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2,4-Dichlorophenol | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2,4-Dimethylphenol | 48 | ug/L | U | 48 | 190 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2,4-Dinitrophenol | 14 | ug/L | U | 14 | 58 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2,4-Dinitrotoluene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2,6-Dinitrotoluene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2-Chloronaphthalene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2-Chlorophenol | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2-Methyl-4,6-dinitrophenol | 2.9 | ug/L | U | 2.9 | 12 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 2-Nitrophenol | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 3,3'-Dichlorobenzidine | 38 | ug/L | U | 38 | 150 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 4,4'-DDD | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 4,4'-DDE | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 4,4'-DDT | 1.4 | ug/L | UJ | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 4-Bromophenyl phenyl ether | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 4-Chloro-3-methylphenol | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 4-Chlorophenyl phenyl ether | 1.9 | ug/L | U | 1.9 | 7.7 |
| 02/23/04 | EQUIP BLANK | BNA-Water | 4-Nitrophenol | 14 | ug/L | U | 14 | 58 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Acenaphthene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Acenaphthylene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Aldrin | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Anthracene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Benzidine | 96 | ug/L | U | 96 | 380 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Benzo(a)anthracene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Benzo(a)pyrene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Benzo(b)fluoranthene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Benzo(g,h,i)perylene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Benzo(k)fluoranthene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Bis(2-chloroethoxy)methane | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Bis(2-chloroethyl)ether | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Bis(2-chloroisopropyl)ether | 2.9 | ug/L | U | 2.9 | 12 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Bis(2-ethylhexyl)phthalate | 14 | ug/L | U | 14 | 58 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Butyl benzyl phthalate | 4.8 | ug/L | U | 4.8 | 19 |

| DATE SAMPLED | FIELD ID | ANALYSIS GROUP | COMPONENT | RESULT | UNITS | REMARK | MDL | PQL |
|---|---|---|---|---|---|---|---|---|
| 02/23/04 | EQUIP BLANK | BNA-Water | Chrysene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Di-n-butyl phthalate | 4.8 | ug/L | U | 4.8 | 19 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Di-n-octyl phthalate | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Dibenzo(a,h)anthracene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Dieldrin | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Diethyl phthalate | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Dimethyl phthalate | 48 | ug/L | U | 48 | 190 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Endosulfan I | 3.8 | ug/L | U | 3.8 | 15 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Endosulfan II | 3.8 | ug/L | U | 3.8 | 15 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Endosulfan sulfate | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Endrin | 1.4 | ug/L | UJ | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Endrin aldehyde | 3.8 | ug/L | U | 3.8 | 15 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Fluoranthene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Fluorene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Heptachlor | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Heptachlor epoxide | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Hexachlorobenzene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Hexachlorobutadiene | 2.9 | ug/L | U | 2.9 | 12 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Hexachlorocyclopentadiene | 2.9 | ug/L | U | 2.9 | 12 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Hexachloroethane | 2.9 | ug/L | U | 2.9 | 12 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Indeno(1,2,3-cd)pyrene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Isophorone | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | N-Nitrosodi-n-propylamine | 1.9 | ug/L | U | 1.9 | 7.7 |
| 02/23/04 | EQUIP BLANK | BNA-Water | N-Nitrosodimethylamine | 1.9 | ug/L | U | 1.9 | 7.7 |
| 02/23/04 | EQUIP BLANK | BNA-Water | N-Nitrosodiphenylamine | 2.9 | ug/L | U | 2.9 | 12 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Naphthalene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Nitrobenzene | 1.9 | ug/L | U | 1.9 | 7.7 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Pentachlorophenol | 2.9 | ug/L | U | 2.9 | 12 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Phenanthrene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Phenol | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | Pyrene | 0.96 | ug/L | U | 0.96 | 3.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | alpha-BHC | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | beta-BHC | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | delta-BHC | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | BNA-Water | gamma-BHC | 1.4 | ug/L | U | 1.4 | 5.8 |
| 02/23/04 | EQUIP BLANK | GC-Water | Alachlor | 0.57 | ug/L | U | 0.57 | 2.28 |
| 02/23/04 | EQUIP BLANK | GC-Water | Ametryn | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | GC-Water | Atrazine | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | GC-Water | Azinphos Methyl | 0.048 | ug/L | UJ | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | GC-Water | Bromacil | 0.19 | ug/L | U | 0.19 | 0.76 |

| DATE SAMPLED | FIELD ID | ANALYSIS GROUP | COMPONENT | RESULT | UNITS | REMARK | MDL | PQL |
|---|---|---|---|---|---|---|---|---|
| 02/23/04 | EQUIP BLANK | GC-Water | Butylate | 0.19 | ug/L | U | 0.19 | 0.76 |
| 02/23/04 | EQUIP BLANK | GC-Water | Chlorpyrifos Ethyl | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | GC-Water | Chlorpyrifos Methyl | 0.095 | ug/L | U | 0.095 | 0.38 |
| 02/23/04 | EQUIP BLANK | GC-Water | Diazinon | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | GC-Water | Ethion | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | GC-Water | Ethoprop | 0.095 | ug/L | UJ | 0.095 | 0.38 |
| 02/23/04 | EQUIP BLANK | GC-Water | Fenamiphos | 0.19 | ug/L | U | 0.19 | 0.76 |
| 02/23/04 | EQUIP BLANK | GC-Water | Fonofos | 0.095 | ug/L | U | 0.095 | 0.38 |
| 02/23/04 | EQUIP BLANK | GC-Water | Hexazinone | 0.095 | ug/L | U | 0.095 | 0.38 |
| 02/23/04 | EQUIP BLANK | GC-Water | Malathion | 0.14 | ug/L | U | 0.14 | 0.56 |
| 02/23/04 | EQUIP BLANK | GC-Water | Metalaxyl | 0.24 | ug/L | U | 0.24 | 0.96 |
| 02/23/04 | EQUIP BLANK | GC-Water | Metolachlor | 0.48 | ug/L | U | 0.48 | 1.92 |
| 02/23/04 | EQUIP BLANK | GC-Water | Metribuzin | 0.095 | ug/L | U | 0.095 | 0.38 |
| 02/23/04 | EQUIP BLANK | GC-Water | Mevinphos | 0.19 | ug/L | UJ | 0.19 | 0.76 |
| 02/23/04 | EQUIP BLANK | GC-Water | Naled | 0.76 | ug/L | UJ | 0.76 | 3.04 |
| 02/23/04 | EQUIP BLANK | GC-Water | Norflurazon | 0.095 | ug/L | UJ | 0.095 | 0.38 |
| 02/23/04 | EQUIP BLANK | GC-Water | Parathion Ethyl | 0.14 | ug/L | U | 0.14 | 0.56 |
| 02/23/04 | EQUIP BLANK | GC-Water | Parathion Methyl | 0.095 | ug/L | U | 0.095 | 0.38 |
| 02/23/04 | EQUIP BLANK | GC-Water | Phorate | 0.048 | ug/L | UJ | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | GC-Water | Prometryn | 0.14 | ug/L | U | 0.14 | 0.56 |
| 02/23/04 | EQUIP BLANK | GC-Water | Simazine | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Aluminum | 7 | ug/L | U | 7 | 28 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Arsenic | 9 | ug/L | U | 9 | 36 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Cadmium | 0.025 | ug/L | U | 0.025 | 0.1 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Calcium | 0.05 | mg/L | U | 0.05 | 0.2 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Chromium | 3 | ug/L | U | 3 | 12 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Copper | 1 | ug/L | U | 1 | 4 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Iron | 10 | ug/L | U | 10 | 40 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Lead | 0.05 | ug/L | U | 0.05 | 0.2 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Magnesium | 0.02 | mg/L | U | 0.02 | 0.08 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Nickel | 4 | ug/L | U | 4 | 16 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Selenium | 1 | ug/L | U | 1 | 4 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Silver | 0.02 | ug/L | U | 0.02 | 0.08 |
| 02/23/04 | EQUIP BLANK | Metals-Water | Zinc | 5 | ug/L | U | 5 | 20 |
| 02/23/04 | EQUIP BLANK | Nutrients-Liquid | Ammonia-N | 0.01 | mg N/L | U | 0.01 | 0.02 |
| 02/23/04 | EQUIP BLANK | Nutrients-Liquid | NO2NO3-N | 0.004 | mg N/L | U | 0.004 | 0.01 |
| 02/23/04 | EQUIP BLANK | Nutrients-Liquid | N_KJEL_TOT | 0.06 | mg N/L | U | 0.06 | 0.2 |
| 02/23/04 | EQUIP BLANK | Nutrients-Liquid | O-Phosphate-P | 0.004 | mg P/L | U | 0.004 | 0.01 |
| 02/23/04 | EQUIP BLANK | Nutrients-Liquid | Total-P | 0.02 | mg P/L | U | 0.02 | 0.06 |
| 02/23/04 | FL0043141 | Bio-AGP/LimNut | Algal Growth Potential | 0.803 | mg DryWt/L | A | 0.1 | 0.3 |

| DATE SAMPLED | FIELD ID | ANALYSIS GROUP | COMPONENT | RESULT | UNITS | REMARK | MDL | PQL |
|---|---|---|---|---|---|---|---|---|
| 02/23/04 | FL0043141 | Bio-Chl-a | Chlorophyll-A, Monochromatic, Water | 0.85 | ug/L | U | 0.85 | 2.6 |
| 02/23/04 | FL0043141 | Bio-Chl-a | Phaeophytin-A, Monochromatic, Water | 0.85 | ug/L | U | 0.85 | 2.6 |
| 02/23/04 | FL0043141 | Bio-Toxicology | Bioassay-Acute-Screen-FW-C.dubia, LC50 | 100 | LC50 | K | | |
| 02/23/04 | FL0043141 | Bio-Toxicology | Bioassay-Acute-Screen-FW-Fish, LC50 | 100 | LC50 | K | | |
| 02/23/04 | FL0043141 | Bio-Toxicology | Bioassay-Acute-Scrn-FW-Fish,LC50-dechlr | 100 | LC50 | L | | |
| 02/23/04 | FL0043141 | Bio-Toxicology | Bioassy-Acute-Scrn-FW-Cdubia,LC50-dechlr | 100 | LC50 | L | | |
| 02/23/04 | FL0043141 | BNA-Water | 1,2,4-Trichlorobenzene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 1,2-Dichlorobenzene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 1,3-Dichlorobenzene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 1,4-Dichlorobenzene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 2,4,5-Trichlorophenol | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 2,4-Dichlorophenol | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 2,4-Dimethylphenol | 48 | ug/L | U | 48 | 190 |
| 02/23/04 | FL0043141 | BNA-Water | 2,4-Dinitrophenol | 14 | ug/L | U | 14 | 57 |
| 02/23/04 | FL0043141 | BNA-Water | 2,4-Dinitrotoluene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 2,6-Dinitrotoluene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 2-Chloronaphthalene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 2-Chlorophenol | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 2-Methyl-4,6-dinitrophenol | 2.9 | ug/L | U | 2.9 | 11 |
| 02/23/04 | FL0043141 | BNA-Water | 2-Nitrophenol | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 3,3'-Dichlorobenzidine | 38 | ug/L | U | 38 | 150 |
| 02/23/04 | FL0043141 | BNA-Water | 4,4'-DDD | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | 4,4'-DDE | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | 4,4'-DDT | 1.4 | ug/L | UJ | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | 4-Bromophenyl phenyl ether | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 4-Chloro-3-methylphenol | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | 4-Chlorophenyl phenyl ether | 1.9 | ug/L | U | 1.9 | 7.6 |
| 02/23/04 | FL0043141 | BNA-Water | 4-Nitrophenol | 14 | ug/L | U | 14 | 57 |
| 02/23/04 | FL0043141 | BNA-Water | Acenaphthene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Acenaphthylene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Aldrin | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | Anthracene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Benzidine | 95 | ug/L | U | 95 | 380 |
| 02/23/04 | FL0043141 | BNA-Water | Benzo(a)anthracene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Benzo(a)pyrene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Benzo(b)fluoranthene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Benzo(g,h,i)perylene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Benzo(k)fluoranthene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Bis(2-chloroethoxy)methane | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Bis(2-chloroethyl)ether | 0.95 | ug/L | U | 0.95 | 3.8 |

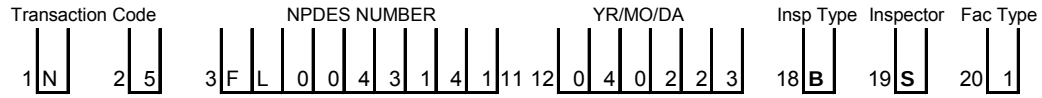
| DATE SAMPLED | FIELD ID | ANALYSIS GROUP | COMPONENT | RESULT | UNITS | REMARK | MDL | PQL |
|---|---|---|---|---|---|---|---|---|
| 02/23/04 | FL0043141 | BNA-Water | Bis(2-chloroisopropyl)ether | 2.9 | ug/L | U | 2.9 | 11 |
| 02/23/04 | FL0043141 | BNA-Water | Bis(2-ethylhexyl)phthalate | 14 | ug/L | U | 14 | 57 |
| 02/23/04 | FL0043141 | BNA-Water | Butyl benzyl phthalate | 4.8 | ug/L | U | 4.8 | 19 |
| 02/23/04 | FL0043141 | BNA-Water | Chrysene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Di-n-butyl phthalate | 4.8 | ug/L | U | 4.8 | 19 |
| 02/23/04 | FL0043141 | BNA-Water | Di-n-octyl phthalate | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Dibenzo(a,h)anthracene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Dieldrin | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | Diethyl phthalate | 1.2 | ug/L | I | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Dimethyl phthalate | 48 | ug/L | U | 48 | 190 |
| 02/23/04 | FL0043141 | BNA-Water | Endosulfan I | 3.8 | ug/L | U | 3.8 | 15 |
| 02/23/04 | FL0043141 | BNA-Water | Endosulfan II | 3.8 | ug/L | U | 3.8 | 15 |
| 02/23/04 | FL0043141 | BNA-Water | Endosulfan sulfate | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | Endrin | 1.4 | ug/L | UJ | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | Endrin aldehyde | 3.8 | ug/L | U | 3.8 | 15 |
| 02/23/04 | FL0043141 | BNA-Water | Fluoranthene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Fluorene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Heptachlor | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | Heptachlor epoxide | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | Hexachlorobenzene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Hexachlorobutadiene | 2.9 | ug/L | U | 2.9 | 11 |
| 02/23/04 | FL0043141 | BNA-Water | Hexachlorocyclopentadiene | 2.9 | ug/L | U | 2.9 | 11 |
| 02/23/04 | FL0043141 | BNA-Water | Hexachloroethane | 2.9 | ug/L | U | 2.9 | 11 |
| 02/23/04 | FL0043141 | BNA-Water | Indeno(1,2,3-cd)pyrene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Isophorone | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | N-Nitrosodi-n-propylamine | 1.9 | ug/L | U | 1.9 | 7.6 |
| 02/23/04 | FL0043141 | BNA-Water | N-Nitrosodimethylamine | 1.9 | ug/L | U | 1.9 | 7.6 |
| 02/23/04 | FL0043141 | BNA-Water | N-Nitrosodiphenylamine | 2.9 | ug/L | U | 2.9 | 11 |
| 02/23/04 | FL0043141 | BNA-Water | Naphthalene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Nitrobenzene | 1.9 | ug/L | U | 1.9 | 7.6 |
| 02/23/04 | FL0043141 | BNA-Water | Pentachlorophenol | 2.9 | ug/L | U | 2.9 | 11 |
| 02/23/04 | FL0043141 | BNA-Water | Phenanthrene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Phenol | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | Pyrene | 0.95 | ug/L | U | 0.95 | 3.8 |
| 02/23/04 | FL0043141 | BNA-Water | alpha-BHC | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | beta-BHC | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | delta-BHC | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | BNA-Water | gamma-BHC | 1.4 | ug/L | U | 1.4 | 5.7 |
| 02/23/04 | FL0043141 | GC-Water | Alachlor | 0.58 | ug/L | U | 0.58 | 2.32 |
| 02/23/04 | FL0043141 | GC-Water | Ametryn | 0.048 | ug/L | U | 0.048 | 0.192 |

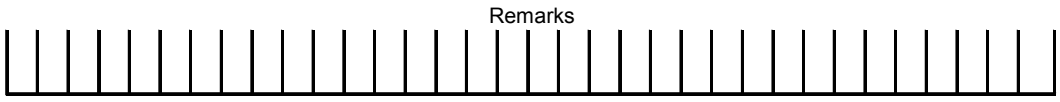
| DATE SAMPLED | FIELD ID | ANALYSIS GROUP | COMPONENT | RESULT | UNITS | REMARK | MDL | PQL |
|---|---|---|---|---|---|---|---|---|
| 02/23/04 | FL0043141 | GC-Water | Atrazine | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | FL0043141 | GC-Water | Azinphos Methyl | 0.048 | ug/L | UJ | 0.048 | 0.192 |
| 02/23/04 | FL0043141 | GC-Water | Bromacil | 0.19 | ug/L | U | 0.19 | 0.76 |
| 02/23/04 | FL0043141 | GC-Water | Butylate | 0.19 | ug/L | U | 0.19 | 0.76 |
| 02/23/04 | FL0043141 | GC-Water | Chlorpyrifos Ethyl | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | FL0043141 | GC-Water | Chlorpyrifos Methyl | 0.096 | ug/L | U | 0.096 | 0.384 |
| 02/23/04 | FL0043141 | GC-Water | Diazinon | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | FL0043141 | GC-Water | Ethion | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | FL0043141 | GC-Water | Ethoprop | 0.096 | ug/L | UJ | 0.096 | 0.384 |
| 02/23/04 | FL0043141 | GC-Water | Fenamiphos | 0.19 | ug/L | U | 0.19 | 0.76 |
| 02/23/04 | FL0043141 | GC-Water | Fonofos | 0.096 | ug/L | U | 0.096 | 0.384 |
| 02/23/04 | FL0043141 | GC-Water | Hexazinone | 0.096 | ug/L | U | 0.096 | 0.384 |
| 02/23/04 | FL0043141 | GC-Water | Malathion | 0.14 | ug/L | U | 0.14 | 0.56 |
| 02/23/04 | FL0043141 | GC-Water | Metalaxyl | 0.24 | ug/L | U | 0.24 | 0.96 |
| 02/23/04 | FL0043141 | GC-Water | Metolachlor | 0.48 | ug/L | U | 0.48 | 1.92 |
| 02/23/04 | FL0043141 | GC-Water | Metribuzin | 0.096 | ug/L | U | 0.096 | 0.384 |
| 02/23/04 | FL0043141 | GC-Water | Mevinphos | 0.19 | ug/L | UJ | 0.19 | 0.76 |
| 02/23/04 | FL0043141 | GC-Water | Naled | 0.77 | ug/L | UJ | 0.77 | 3.08 |
| 02/23/04 | FL0043141 | GC-Water | Norflurazon | 0.096 | ug/L | UJ | 0.096 | 0.384 |
| 02/23/04 | FL0043141 | GC-Water | Parathion Ethyl | 0.14 | ug/L | U | 0.14 | 0.56 |
| 02/23/04 | FL0043141 | GC-Water | Parathion Methyl | 0.096 | ug/L | U | 0.096 | 0.384 |
| 02/23/04 | FL0043141 | GC-Water | Phorate | 0.048 | ug/L | UJ | 0.048 | 0.192 |
| 02/23/04 | FL0043141 | GC-Water | Prometryn | 0.14 | ug/L | U | 0.14 | 0.56 |
| 02/23/04 | FL0043141 | GC-Water | Simazine | 0.048 | ug/L | U | 0.048 | 0.192 |
| 02/23/04 | FL0043141 | Metals-Water | Aluminum | 88 | ug/L | | 7 | 28 |
| 02/23/04 | FL0043141 | Metals-Water | Arsenic | 9 | ug/L | U | 9 | 36 |
| 02/23/04 | FL0043141 | Metals-Water | Cadmium | 0.075 | ug/L | I | 0.025 | 0.1 |
| 02/23/04 | FL0043141 | Metals-Water | Calcium | 45.9 | mg/L | | 0.05 | 0.2 |
| 02/23/04 | FL0043141 | Metals-Water | Chromium | 3 | ug/L | U | 3 | 12 |
| 02/23/04 | FL0043141 | Metals-Water | Copper | 3.1 | ug/L | I | 1 | 4 |
| 02/23/04 | FL0043141 | Metals-Water | Iron | 291 | ug/L | | 10 | 40 |
| 02/23/04 | FL0043141 | Metals-Water | Lead | 0.46 | ug/L | | 0.05 | 0.2 |
| 02/23/04 | FL0043141 | Metals-Water | Magnesium | 16.5 | mg/L | | 0.02 | 0.08 |
| 02/23/04 | FL0043141 | Metals-Water | Nickel | 4 | ug/L | U | 4 | 16 |
| 02/23/04 | FL0043141 | Metals-Water | Selenium | 1 | ug/L | U | 1 | 4 |
| 02/23/04 | FL0043141 | Metals-Water | Silver | 0.02 | ug/L | U | 0.02 | 0.08 |
| 02/23/04 | FL0043141 | Metals-Water | Zinc | 51 | ug/L | | 5 | 20 |
| 02/23/04 | FL0043141 | Nutrients-Liquid | Ammonia-N | 0.02 | mg N/L | U | 0.02 | 0.04 |
| 02/23/04 | FL0043141 | Nutrients-Liquid | NO2NO3-N | 0.043 | mg N/L | | 0.004 | 0.01 |
| 02/23/04 | FL0043141 | Nutrients-Liquid | N_KJEL_TOT | 2.5 | mg N/L | | 0.06 | 0.2 |

| DATE SAMPLED | FIELD ID | ANALYSIS GROUP | COMPONENT | RESULT | UNITS | REMARK | MDL | PQL |
|---|---|---|---|---|---|---|---|---|
| 02/23/04 | FL0043141 | Nutrients-Liquid | O-Phosphate-P | 0.98 | mg P/L | | 0.08 | 0.2 |
| 02/23/04 | FL0043141 | Nutrients-Liquid | TSS | 7 | mg/L | IQ | 4 | 16 |
| 02/23/04 | FL0043141 | Nutrients-Liquid | Total-P | 1.2 | mg P/L | | 0.08 | 0.24 |

**The Bioassay of the Royal Court Mobile Home Park South Wastewater Treatment Facility effluent sampled on 23 February 2004, NPDES #FL0043141.**

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




**The Priority Pollutants Analysis for Bioassay of the Royal Court Mobile Home Park South Wastewater Treatment Facility effluent sampled on 23 February, 2004, NPDES #FL0043141.**

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