

## PMTurkeyCOLPEm Resource

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**From:** Lopez, Alex [Alex.Lopez@dep.state.fl.us]  
**Sent:** Wednesday, July 25, 2012 12:32 PM  
**To:** mhwillingham@yahoo.com  
**Cc:** Willingham, Michael  
**Subject:** South District 2008 Annual Effluent Analysis  
**Attachments:** 2008\_South District Annual Effluent Analysis.pdf

2008 Data

**Alex Lopez, E.I.**

Engineer Specialist - Water Facilities  
FL Department of Environmental Protection  
Southeast District  
Phone: (561) 681-6782  
[Alex.Lopez@dep.state.fl.us](mailto:Alex.Lopez@dep.state.fl.us)

**\*Did you know you can submit your Wastewater DMRs online using our newly enhanced eDMR System? To sign up to use eDMR and learn more, please visit us online at the following web address: <http://edmr.dep.state.fl.us>**

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**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 646

**Mail Envelope Properties** (4B583FDBCE32AD45AA1A7A01EA8319FC0469CF527B)

**Subject:** South District 2008 Annual Effluent Analysis  
**Sent Date:** 7/25/2012 12:32:20 PM  
**Received Date:** 7/25/2012 9:17:12 PM  
**From:** Lopez, Alex

**Created By:** Alex.Lopez@dep.state.fl.us

**Recipients:**  
"Willingham, Michael" <Michael.Willingham@nrc.gov>  
Tracking Status: None  
"mhwillingham@yahoo.com" <mhwillingham@yahoo.com>  
Tracking Status: None

**Post Office:** ECHMBB.floridadep.net

| Files  | Size | Date & Time          |
|--|------|----------------------|
| MESSAGE  | 664  | 7/25/2012 9:17:12 PM |
| 2008_South District Annual Effluent Analysis.pdf |      | 1562541              |

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**



February 29, 2008

Clive Powell  
Miami Dade Water & Sewer  
8650 SW 232 Street  
Miami, FL 33190

Project: Annual Sampling

Log #: L246683

Case Narrative:

These samples were originally received on 02/07/08 from samples collected on 02/07/08. No variances were noted upon receipt. Results for those analysis follow in the analytical report.

Two report formats were submitted with this report. The Genapure Standard report format which include MDL & PQL, and the Florida DW DEP format the includes MCL and MDL.

Observed Discrepancies:

All analysis passed QA/QC protocol. Dilutions were performed on certain analysis due to high levels of target analytes, to get the concentration within the calibration range of the instrument. Some analytes had high concentrations of other non-target analytes, causing a dilution to be performed.

Sample (-1) was qualified with a "V" due to hit in the method blank for the following analysis: Antimony at 0.00101 mg/l, Copper at 0.00517 mg/l, and TDS at 9.0 mg/l.

Respectfully submitted,  
Maria Pacheco  
Project Manager  
Genapure Analytical Services Inc.

3231 NW 7<sup>th</sup> Ave, Boca Raton, FL 33431

**ANALYTICAL RESULTS**

Printed: 02/29/08 07:38pm

ATTN: CLIVE POWELL  
 MIAMI-DADE WATER & SEWER  
 SOUTH DISTRICT LABORATORY  
 8950 SW 232 ST.  
 MIAMI, FL 33170

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Collected by: Customer Sampled

| Laboratory | Client         |
|------------|----------------|
| Sample #   | Sample #       |
| L246683-1  | REUSE EFFLUENT |
| L246683-2  | TRIP BLANK     |

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.  
 Flags: ND or U-below MDL; IL-meets internal lab limits; MI-matrix interference; NA-not applicable.  
 Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code  
 FLDEP Flags: J(#) -estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-  
 exceeds calibration; Q-holding time exceeded;  
 FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range; I-estimated value; between the MDL  
 and PQL;  
 Lab certification IDs: FLDH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917; NJ  
 FLO14; PA 68-03756;  
 Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.  
 EPA 18 is a non-NELAC certifiable parameter.

02-29-08 19:37 This report is a revision of report number 666379

Genapure Analytical Services, Inc. 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Respectfully submitted,

Maria Pacheco  
 Project Manager

## ANALYTICAL RESULTS

Printed: 02/29/08 07:38pm

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-1  
 Sample Description REUSE EFFLUENT  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled  
 Received Temp 4 C Iced (Y/N): Y

| Parameter                   | Method | Result       | DIL | MDL  | PQL  | Prep Date,Time | Test Date,Time,Analyst |
|-----------------------------|--------|--------------|-----|------|------|----------------|------------------------|
| Volatile Organic Compounds  |        |              |     |      |      |                |                        |
| DICHLORODIFLUOROMETHANE     | 524.2  | U ug/l       | 1   | 0.44 | 2.2  | N/A            | 02/12 09:31 AJ         |
| CHLOROMETHANE               | 524.2  | 0.690 ug/l   | 1   | 0.44 | 2.2  | N/A            | 02/12 09:31 AJ         |
| VINYL CHLORIDE              | 524.2  | U ug/l       | 1   | 0.34 | 1.7  | N/A            | 02/12 09:31 AJ         |
| BROMOMETHANE                | 524.2  | U ug/l       | 1   | 0.23 | 1.2  | N/A            | 02/12 09:31 AJ         |
| CHLOROETHANE                | 524.2  | 0.360 I ug/l | 1   | 0.30 | 1.5  | N/A            | 02/12 09:31 AJ         |
| TRICHLOROFLUOROMETHANE      | 524.2  | U ug/l       | 1   | 0.11 | 0.55 | N/A            | 02/12 09:31 AJ         |
| 1,1-DICHLOROETHENE          | 524.2  | U ug/l       | 1   | 0.27 | 1.4  | N/A            | 02/12 09:31 AJ         |
| METHYLENE CHLORIDE          | 524.2  | U ug/l       | 1   | 0.40 | 2.0  | N/A            | 02/12 09:31 AJ         |
| TRANS-1,2-DICHLOROETHENE    | 524.2  | U ug/l       | 1   | 0.19 | 0.95 | N/A            | 02/12 09:31 AJ         |
| METHYL TERTIARY BUTYL ETHER | 524.2  | U ug/l       | 1   | 0.21 | 1.1  | N/A            | 02/12 09:31 AJ         |
| 1,1-DICHLOROETHANE          | 524.2  | U ug/l       | 1   | 0.11 | 0.55 | N/A            | 02/12 09:31 AJ         |
| CIS-1,2-DICHLOROETHENE      | 524.2  | U ug/l       | 1   | 0.17 | 0.85 | N/A            | 02/12 09:31 AJ         |
| BROMOCHLOROMETHANE          | 524.2  | U ug/l       | 1   | 0.10 | 0.50 | N/A            | 02/12 09:31 AJ         |
| CHLOROFORM                  | 524.2  | 13.2 ug/l    | 1   | 0.28 | 1.4  | N/A            | 02/12 09:31 AJ         |
| 2,2-DICHLOROPROPANE         | 524.2  | U ug/l       | 1   | 0.16 | 0.80 | N/A            | 02/12 09:31 AJ         |
| 1,2-DICHLOROETHANE          | 524.2  | U ug/l       | 1   | 0.18 | 0.90 | N/A            | 02/12 09:31 AJ         |
| 1,1,1-TRICHLOROETHANE       | 524.2  | U ug/l       | 1   | 0.10 | 0.50 | N/A            | 02/12 09:31 AJ         |
| 1,1-DICHLOROPROPENE         | 524.2  | U ug/l       | 1   | 0.28 | 1.4  | N/A            | 02/12 09:31 AJ         |
| CARBON TETRACHLORIDE        | 524.2  | U ug/l       | 1   | 0.11 | 0.55 | N/A            | 02/12 09:31 AJ         |
| BENZENE                     | 524.2  | U ug/l       | 1   | 0.10 | 0.50 | N/A            | 02/12 09:31 AJ         |
| DIBROMOMETHANE              | 524.2  | U ug/l       | 1   | 0.41 | 2.1  | N/A            | 02/12 09:31 AJ         |
| 1,2-DICHLOROPROPANE         | 524.2  | U ug/l       | 1   | 0.14 | 0.70 | N/A            | 02/12 09:31 AJ         |
| TRICHLOROETHENE             | 524.2  | U ug/l       | 1   | 0.23 | 1.2  | N/A            | 02/12 09:31 AJ         |
| BROMODICHLOROMETHANE        | 524.2  | 4.71 ug/l    | 1   | 0.16 | 0.80 | N/A            | 02/12 09:31 AJ         |
| CIS-1,3-DICHLOROPROPENE     | 524.2  | U ug/l       | 1   | 0.13 | 0.65 | N/A            | 02/12 09:31 AJ         |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:38pm

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-1  
 Sample Description REUSE EFFLUENT  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled

| Parameter                 | Method | Result       | DIL | MDL   | PQL  | Prep Date,Time | Test Date, Time,Analyst |
|---------------------------|--------|--------------|-----|-------|------|----------------|-------------------------|
| TRANS-1,3-DICHLOROPROPENE | 524.2  | U ug/l       | 1   | 0.23  | 1.2  | N/A            | 02/12 09:31 AJ          |
| 1,1,2-TRICHLOROETHANE     | 524.2  | U ug/l       | 1   | 0.42  | 2.1  | N/A            | 02/12 09:31 AJ          |
| TOLUENE                   | 524.2  | 0.140 I ug/l | 1   | 0.10  | 0.50 | N/A            | 02/12 09:31 AJ          |
| 1,3-DICHLOROPROPANE       | 524.2  | U ug/l       | 1   | 0.20  | 1.0  | N/A            | 02/12 09:31 AJ          |
| DIBROMOCHLOROMETHANE      | 524.2  | 1.49 ug/l    | 1   | 0.25  | 1.3  | N/A            | 02/12 09:31 AJ          |
| 1,2-DIBROMOETHANE         | 524.2  | U ug/l       | 1   | 0.33  | 1.7  | N/A            | 02/12 09:31 AJ          |
| TETRACHLOROETHENE         | 524.2  | 0.310 I ug/l | 1   | 0.27  | 1.4  | N/A            | 02/12 09:31 AJ          |
| 1,1,1,2-TETRACHLOROETHANE | 524.2  | U ug/l       | 1   | 0.080 | 0.40 | N/A            | 02/12 09:31 AJ          |
| CHLOROBENZENE             | 524.2  | U ug/l       | 1   | 0.30  | 1.5  | N/A            | 02/12 09:31 AJ          |
| ETHYL BENZENE             | 524.2  | U ug/l       | 1   | 0.080 | 0.40 | N/A            | 02/12 09:31 AJ          |
| M&P-XYLENES               | 524.2  | U ug/l       | 1   | 0.31  | 1.6  | N/A            | 02/12 09:31 AJ          |
| BROMOFORM                 | 524.2  | U ug/l       | 1   | 0.20  | 1.0  | N/A            | 02/12 09:31 AJ          |
| TOTAL THM                 | 524.2  | 19.4 ug/l    | 1   | 0.89  | 4.5  | N/A            | 02/12 09:31 AJ          |
| STYRENE                   | 524.2  | U ug/l       | 1   | 0.15  | 0.75 | N/A            | 02/12 09:31 AJ          |
| 1,1,2,2-TETRACHLOROETHANE | 524.2  | U ug/l       | 1   | 0.35  | 1.8  | N/A            | 02/12 09:31 AJ          |
| O-XYLENE                  | 524.2  | U ug/l       | 1   | 0.10  | 0.50 | N/A            | 02/12 09:31 AJ          |
| XYLENES (TOTAL)           | 524.2  | U ug/l       | 1   | 0.41  | 2.1  | N/A            | 02/12 09:31 AJ          |
| 1,2,3-TRICHLOROPROPANE    | 524.2  | U ug/l       | 1   | 0.22  | 1.1  | N/A            | 02/12 09:31 AJ          |
| ISOPROPYL BENZENE         | 524.2  | U ug/l       | 1   | 0.060 | 0.30 | N/A            | 02/12 09:31 AJ          |
| BROMOBENZENE              | 524.2  | U ug/l       | 1   | 0.19  | 0.95 | N/A            | 02/12 09:31 AJ          |
| N-PROPYLBENZENE           | 524.2  | U ug/l       | 1   | 0.10  | 0.50 | N/A            | 02/12 09:31 AJ          |
| 2-CHLOROTOLUENE           | 524.2  | U ug/l       | 1   | 0.15  | 0.75 | N/A            | 02/12 09:31 AJ          |
| 4-CHLOROTOLUENE           | 524.2  | U ug/l       | 1   | 0.20  | 1.0  | N/A            | 02/12 09:31 AJ          |
| 1,3,5-TRIMETHYLBENZENE    | 524.2  | U ug/l       | 1   | 0.070 | 0.35 | N/A            | 02/12 09:31 AJ          |
| T-BUTYLBENZENE            | 524.2  | U ug/l       | 1   | 0.11  | 0.55 | N/A            | 02/12 09:31 AJ          |
| 1,2,4-TRIMETHYLBENZENE    | 524.2  | U ug/l       | 1   | 0.070 | 0.35 | N/A            | 02/12 09:31 AJ          |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:38pm

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-1  
 Sample Description REUSE EFFLUENT  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled

| Parameter                   | Method | Result          | DIL | MDL               | PQL     | Prep Date, Time | Test Date, Time, Analyst |
|-----------------------------|--------|-----------------|-----|-------------------|---------|-----------------|--------------------------|
| SEC-BUTYLBENZENE            | 524.2  | U ug/l          | 1   | 0.090             | 0.45    | N/A             | 02/12 09:31 AJ           |
| 1,3-DICHLOROBENZENE         | 524.2  | U ug/l          | 1   | 0.17              | 0.85    | N/A             | 02/12 09:31 AJ           |
| 1,4-DICHLOROBENZENE         | 524.2  | 1.65 ug/l       | 1   | 0.10              | 0.50    | N/A             | 02/12 09:31 AJ           |
| P-ISOPROPYLTOLUENE          | 524.2  | U ug/l          | 1   | 0.10              | 0.50    | N/A             | 02/12 09:31 AJ           |
| 1,2-DICHLOROBENZENE         | 524.2  | U ug/l          | 1   | 0.10              | 0.50    | N/A             | 02/12 09:31 AJ           |
| N-BUTYLBENZENE              | 524.2  | U ug/l          | 1   | 0.12              | 0.60    | N/A             | 02/12 09:31 AJ           |
| 1,2-DIBROMO-3-CHLOROPROPANE | 524.2  | U ug/l          | 1   | 0.38              | 1.9     | N/A             | 02/12 09:31 AJ           |
| 1,2,4-TRICHLOROBENZENE      | 524.2  | U ug/l          | 1   | 0.16              | 0.80    | N/A             | 02/12 09:31 AJ           |
| NAPHTHALENE                 | 524.2  | U ug/l          | 1   | 0.14              | 0.70    | N/A             | 02/12 09:31 AJ           |
| HEXACHLOROBUTADIENE         | 524.2  | U ug/l          | 1   | 0.36              | 1.8     | N/A             | 02/12 09:31 AJ           |
| 1,2,3-TRICHLOROBENZENE      | 524.2  | U ug/l          | 1   | 0.14              | 0.70    | N/A             | 02/12 09:31 AJ           |
| SURROGATES                  |        | % RECOVERY      |     | % Recovery Limits |         |                 |                          |
| BROMOFLUOROBENZENE (SURR)   | 524.2  | 106 %           | 1   |                   | 70-130  |                 | 02/12 09:31 AJ           |
| 1,2-DICHLOROBENZENE-D4      | 524.2  | 98 %            | 1   |                   | 70-130  |                 | 02/12 09:31 AJ           |
| Metals Analysis             |        |                 |     |                   |         |                 |                          |
| SILVER                      | 200.7  | U mg/l          | 1   | 0.0010            | 0.0050  | 02/08 00:00     | 02/11 21:41 KO           |
| ALUMINUM                    | 200.7  | 0.0414 I mg/l   | 1   | 0.038             | 0.19    | 02/08 00:00     | 02/11 21:41 KO           |
| ARSENIC                     | 200.8  | 0.00150 I mg/l  | 1   | 0.00090           | 0.0045  | 02/08 00:00     | 02/11 17:16 NR           |
| BARIUM                      | 200.8  | 0.00670 mg/l    | 1   | 0.00090           | 0.0045  | 02/08 00:00     | 02/11 17:16 NR           |
| BERYLLIUM                   | 200.8  | U mg/l          | 1   | 0.00010           | 0.00050 | 02/08 00:00     | 02/12 14:37 NR           |
| CADMIUM                     | 200.7  | U mg/l          | 1   | 0.00037           | 0.0019  | 02/08 00:00     | 02/11 21:41 KO           |
| CHROMIUM                    | 200.7  | U mg/l          | 1   | 0.00099           | 0.0050  | 02/08 00:00     | 02/11 21:41 KO           |
| COPPER                      | 200.7  | 0.00705 IV mg/l | 1   | 0.0050            | 0.025   | 02/08 00:00     | 02/11 21:41 KO           |
| IRON                        | 200.7  | U mg/l          | 1   | 0.020             | 0.10    | 02/08 00:00     | 02/11 21:41 KO           |
| MANGANESE                   | 200.8  | 0.0118 V mg/l   | 1   | 0.00040           | 0.0020  | 02/08 00:00     | 02/11 17:16 NR           |
| SODIUM                      | 200.7  | 78.0 mg/l       | 1   | 0.075             | 0.38    | 02/08 00:00     | 02/11 21:41 KO           |
| NICKEL                      | 200.7  | 0.00206 I mg/l  | 1   | 0.0011            | 0.0055  | 02/08 00:00     | 02/11 21:41 KO           |

## ANALYTICAL RESULTS

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Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

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Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-1  
 Sample Description REUSE EFFLUENT  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled

| Parameter                          | Method | Result          | DIL | MDL      | PQL     | Prep Date, Time | Test Date, Time, Analyst |
|------------------------------------|--------|-----------------|-----|----------|---------|-----------------|--------------------------|
| LEAD                               | 200.8  | U mg/l          | 1   | 0.00010  | 0.00050 | 02/08 00:00     | 02/11 17:16 NR           |
| ANTIMONY                           | 200.8  | 0.00120 IV mg/l | 1   | 0.00070  | 0.0035  | 02/08 00:00     | 02/12 14:37 NR           |
| SELENIUM                           | 200.8  | U mg/l          | 1   | 0.00090  | 0.0045  | 02/08 00:00     | 02/11 17:16 NR           |
| THALLIUM                           | 200.8  | U mg/l          | 1   | 0.00040  | 0.0020  | 02/08 00:00     | 02/11 17:16 NR           |
| ZINC                               | 200.7  | 0.00967 I mg/l  | 1   | 0.0052   | 0.026   | 02/08 00:00     | 02/11 21:41 KO           |
| Mercury Analysis                   |        |                 |     |          |         |                 |                          |
| MERCURY                            | 245.1  | U mg/l          | 1   | 0.000065 | 0.00033 | 02/09 00:00     | 02/09 14:35 TB           |
| EDB/DBCP/TCP                       |        |                 |     |          |         |                 |                          |
| 1,2-DIBROMOETHANE                  | 504.1  | U ug/l          | 1   | 0.0027   | 0.014   | 02/12 09:00     | 02/17 01:58 MR           |
| 1,2-DIBROMO-3-CHLOROPROPANE        | 504.1  | U ug/l          | 1   | 0.0061   | 0.031   | 02/12 09:00     | 02/17 01:58 MR           |
| 1,2,3-TRICHLOROPROPANE             | 504.1  | U ug/l          | 1   | 0.0067   | 0.034   | 02/12 09:00     | 02/17 01:58 MR           |
| BROMOFLUOROBENZENE (SURR)          | 504.1  | 92.0 %          | 1   |          |         | 02/12 09:00     | 02/17 01:58 MR           |
| Asbestos                           |        |                 |     |          |         |                 |                          |
| ASBESTOS WATER (E86772)            | 100.2  | U MFL           | 1   | 0.18     | 0.90    | N/A             | 02/11 16:00 SUB          |
| Semivolatile Organic Compounds     |        |                 |     |          |         |                 |                          |
| ALACHLOR (E83079)                  | 508.1  | U ug/l          | 1   | 0.015    | 0.075   | 02/15 10:00     | 02/16 08:58 SUB          |
| ATRAZINE (E83079)                  | 508.1  | U ug/l          | 1   | 0.14     | 0.70    | 02/15 10:00     | 02/16 08:58 SUB          |
| LINDANE (E83079)                   | 508.1  | U ug/l          | 1   | 0.0083   | 0.042   | 02/15 10:00     | 02/16 08:58 SUB          |
| CHLORDANE (E83079)                 | 508.1  | U ug/l          | 1   | 0.060    | 0.30    | 02/15 10:00     | 02/16 08:58 SUB          |
| ENDRIN (E83079)                    | 508.1  | U ug/l          | 1   | 0.0083   | 0.042   | 02/15 10:00     | 02/16 08:58 SUB          |
| HEPTACHLOR (E83079)                | 508.1  | U ug/l          | 1   | 0.027    | 0.14    | 02/15 10:00     | 02/16 08:58 SUB          |
| HEPTACHLOR EPOXIDE (E83079)        | 508.1  | U ug/l          | 1   | 0.0062   | 0.031   | 02/15 10:00     | 02/16 08:58 SUB          |
| HEXACHLOROBENZENE (E83079)         | 508.1  | U ug/l          | 1   | 0.0083   | 0.042   | 02/15 10:00     | 02/16 08:58 SUB          |
| HEXACHLOROCYCLOPENTADIENE (E83079) | 508.1  | U ug/l          | 1   | 0.019    | 0.095   | 02/15 10:00     | 02/16 08:58 SUB          |
| METHOXYCHLOR (E83079)              | 508.1  | U ug/l          | 1   | 0.021    | 0.11    | 02/15 10:00     | 02/16 08:58 SUB          |
| SIMAZINE (E83079)                  | 508.1  | U ug/l          | 1   | 0.13     | 0.65    | 02/15 10:00     | 02/16 08:58 SUB          |
| TOXAPHENE (E83079)                 | 508.1  | U ug/l          | 1   | 0.24     | 1.2     | 02/15 10:00     | 02/16 08:58 SUB          |
| PCB'S (E83079)                     | 508.1  | U ug/l          | 1   | 0.10     | 0.50    | 02/15 10:00     | 02/16 08:58 SUB          |



## ANALYTICAL RESULTS

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Sample Number L246683-1  
 Sample Description REUSE EFFLUENT  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled

| Parameter                                    | Method  | Result      | DIL | MDL    | PQL   | Prep Date, Time | Test Date, Time, Analyst |
|--|---------|-------------|-----|--------|-------|-----------------|--------------------------|
| 2,4-DICHLOROPHENOXYACETIC ACID (E83079)      | 515.3   | U ug/l      | 1   | 0.055  | 0.27  | 02/13 10:00     | 02/21 11:54 SUB          |
| DALAPON (E83079)                             | 515.3   | U ug/l      | 1   | 0.60   | 3.0   | 02/13 10:00     | 02/21 11:54 SUB          |
| DINOSEB (E83079)                             | 515.3   | U ug/l      | 1   | 0.096  | 0.48  | 02/13 10:00     | 02/21 11:54 SUB          |
| PENTACHLOROPHENOL (E83079)                   | 515.3   | U ug/l      | 1   | 0.0040 | 0.020 | 02/13 10:00     | 02/21 11:54 SUB          |
| PICLORAM (E83079)                            | 515.3   | U ug/l      | 1   | 0.037  | 0.19  | 02/13 10:00     | 02/21 11:54 SUB          |
| SILVEX, METHYL ESTER (E83079)                | 515.3   | U ug/l      | 1   | 0.038  | 0.19  | 02/13 10:00     | 02/21 11:54 SUB          |
| BENZO(A)PYRENE (E83079)                      | 525.2   | U ug/l      | 1   | 0.036  | 0.18  | 02/14 10:00     | 02/16 00:43 SUB          |
| ADIPATE, DI(2-ETHYLHEXYL) (E83079)           | 525.2   | U ug/l      | 1   | 0.23   | 1.2   | 02/14 10:00     | 02/16 00:43 SUB          |
| PHTHALATE, DI(2-ETHYLHEXYL) (E83079)         | 525.2   | 0.75 I ug/l | 1   | 0.51   | 2.6   | 02/14 10:00     | 02/16 00:43 SUB          |
| OXAMYL (VYDATE) (E83079)                     | 531.1   | U ug/l      | 1   | 0.16   | 0.80  | 02/19 17:30     | 02/19 23:32 SUB          |
| CARBOFURAN (E83079)                          | 531.1   | U ug/l      | 1   | 0.13   | 0.65  | 02/19 17:30     | 02/19 23:32 SUB          |
| GLYPHOSATE (E83079)                          | 547     | U ug/l      | 1   | 0.99   | 5.0   | 02/13 09:30     | 02/13 15:50 SUB          |
| ENDOTHALL (E83079)                           | 548.1   | U ug/l      | 1   | 7.6    | 38    | 02/12 10:30     | 02/15 23:43 SUB          |
| DIQUAT (E83079)                              | 549.2   | U ug/l      | 1   | 0.29   | 1.5   | 02/13 16:30     | 02/18 20:48 SUB          |
| Ion Chromatography<br>FLUORIDE               | 300.0   | U mg/l      | 10  | 0.30   | 1.5   | N/A             | 02/08 22:19 WRD          |
| FLUORIDE-II                                  | 300.0   | U mg/l      | 10  | 0.30   | 1.5   | N/A             | 02/08 22:19 WRD          |
| NITRATE (AS N)                               | 300.0   | U mg/l      | 10  | 0.052  | 0.26  | N/A             | 02/08 22:19 WRD          |
| NITRITE (AS N)                               | 300.0   | U mg/l      | 10  | 0.012  | 0.060 | N/A             | 02/08 22:19 WRD          |
| TOTAL NITRATE/NITRITE                        | 300.0   | U mg/l      | 10  | 0.12   | 0.59  | N/A             | 02/08 22:19 WRD          |
| SULFATE                                      | 300.0   | 42.1 mg/l   | 10  | 0.70   | 3.5   | N/A             | 02/08 22:19 WRD          |
| CYANIDE<br>CYANIDE, TOTAL                    | 335.4   | U mg/l      | 1   | 0.0032 | 0.016 | N/A             | 02/14 13:27 BD           |
| Color-Lab<br>COLOR-LAB                       | SM2120B | 10.0 pcu    | 1   | 5.0    | 25    | N/A             | 02/08 07:50 ZE           |
| Total Kjeldahl Nitrogen<br>KJELDAHL NITROGEN | 351.2   | 32.1 mg/l   | 10  | 2.2    | 11    | N/A             | 02/13 00:00 SA           |
| MBAS-LAS, mol wt 340<br>DETERGENTS MBAS      | SM5540C | U mg/l      | 1   | 0.10   | 0.50  | N/A             | 02/08 00:00 JR           |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:38pm

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-1  
 Sample Description REUSE EFFLUENT  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled

| Parameter  | Method   | Result      | DIL | MDL    | PQL   | Prep<br>Date,Time | Test Date,<br>Time,Analyst |
|--|----------|-------------|-----|--------|-------|-------------------|----------------------------|
| Ammonia<br>AMMONIA                               | 350.1    | 24.0 mg/l   | 100 | 4.2    | 21    | N/A               | 02/14 00:00 SA             |
| HEXANE EXTRACTABLES<br>OIL & GREASE              | 1664     | 2.60 I mg/l | 1   | 1.8    | 9.0   | N/A               | 02/12 18:00 MKH            |
| Odor<br>ODOR                                     | 140.1    | 16.0 TON    | 1   | 1.0    | 5.0   | N/A               | 02/08 10:00 WRD            |
| pH<br>PH LAB                                     | SM4500HB | 6.79 units  | 1   | 0.10   | 0.50  | N/A               | 02/14 15:30 MT             |
| Phosphorus<br>PHOSPHORUS AS P                    | 365.1    | 0.612 mg/l  | 1   | 0.0024 | 0.012 | N/A               | 02/14 00:00 SA             |
| Total Dissolved Solids<br>TOTAL DISSOLVED SOLIDS | 160.1    | 421. V mg/l | 1   | 7.0    | 35    | N/A               | 02/13 09:30 TP             |

\*\*\*\* NOTES CONCERNING THE ABOVE SAMPLE \*\*\*\*

MB Sb 0.001010 mg/L

## ANALYTICAL RESULTS

Printed: 02/29/08 07:38pm

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-2  
 Sample Description TRIP BLANK  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled  
 Received Temp 4 C Iced (Y/N): Y

| Parameter                   | Method | Result | DIL | MDL  | PQL  | Prep Date,Time | Test Date, Time,Analyst |
|-----------------------------|--------|--------|-----|------|------|----------------|-------------------------|
| Volatile Organic Compounds  |        |        |     |      |      |                |                         |
| DICHLORODIFLUOROMETHANE     | 524.2  | U ug/l | 1   | 0.44 | 2.2  | N/A            | 02/12 09:55 AJ          |
| CHLOROMETHANE               | 524.2  | U ug/l | 1   | 0.44 | 2.2  | N/A            | 02/12 09:55 AJ          |
| VINYL CHLORIDE              | 524.2  | U ug/l | 1   | 0.34 | 1.7  | N/A            | 02/12 09:55 AJ          |
| BROMOMETHANE                | 524.2  | U ug/l | 1   | 0.23 | 1.2  | N/A            | 02/12 09:55 AJ          |
| CHLOROETHANE                | 524.2  | U ug/l | 1   | 0.30 | 1.5  | N/A            | 02/12 09:55 AJ          |
| TRICHLOROFLUOROMETHANE      | 524.2  | U ug/l | 1   | 0.11 | 0.55 | N/A            | 02/12 09:55 AJ          |
| 1,1-DICHLOROETHENE          | 524.2  | U ug/l | 1   | 0.27 | 1.4  | N/A            | 02/12 09:55 AJ          |
| METHYLENE CHLORIDE          | 524.2  | U ug/l | 1   | 0.40 | 2.0  | N/A            | 02/12 09:55 AJ          |
| TRANS-1,2-DICHLOROETHENE    | 524.2  | U ug/l | 1   | 0.19 | 0.95 | N/A            | 02/12 09:55 AJ          |
| METHYL TERTIARY BUTYL ETHER | 524.2  | U ug/l | 1   | 0.21 | 1.1  | N/A            | 02/12 09:55 AJ          |
| 1,1-DICHLOROETHANE          | 524.2  | U ug/l | 1   | 0.11 | 0.55 | N/A            | 02/12 09:55 AJ          |
| CIS-1,2-DICHLOROETHENE      | 524.2  | U ug/l | 1   | 0.17 | 0.85 | N/A            | 02/12 09:55 AJ          |
| BROMOCHLOROMETHANE          | 524.2  | U ug/l | 1   | 0.10 | 0.50 | N/A            | 02/12 09:55 AJ          |
| CHLOROFORM                  | 524.2  | U ug/l | 1   | 0.28 | 1.4  | N/A            | 02/12 09:55 AJ          |
| 2,2-DICHLOROPROPANE         | 524.2  | U ug/l | 1   | 0.16 | 0.80 | N/A            | 02/12 09:55 AJ          |
| 1,2-DICHLOROETHANE          | 524.2  | U ug/l | 1   | 0.18 | 0.90 | N/A            | 02/12 09:55 AJ          |
| 1,1,1-TRICHLOROETHANE       | 524.2  | U ug/l | 1   | 0.10 | 0.50 | N/A            | 02/12 09:55 AJ          |
| 1,1-DICHLOROPROPENE         | 524.2  | U ug/l | 1   | 0.28 | 1.4  | N/A            | 02/12 09:55 AJ          |
| CARBON TETRACHLORIDE        | 524.2  | U ug/l | 1   | 0.11 | 0.55 | N/A            | 02/12 09:55 AJ          |
| BENZENE                     | 524.2  | U ug/l | 1   | 0.10 | 0.50 | N/A            | 02/12 09:55 AJ          |
| DIBROMOMETHANE              | 524.2  | U ug/l | 1   | 0.41 | 2.1  | N/A            | 02/12 09:55 AJ          |
| 1,2-DICHLOROPROPANE         | 524.2  | U ug/l | 1   | 0.14 | 0.70 | N/A            | 02/12 09:55 AJ          |
| TRICHLOROETHENE             | 524.2  | U ug/l | 1   | 0.23 | 1.2  | N/A            | 02/12 09:55 AJ          |
| BROMODICHLOROMETHANE        | 524.2  | U ug/l | 1   | 0.16 | 0.80 | N/A            | 02/12 09:55 AJ          |
| CIS-1,3-DICHLOROPROPENE     | 524.2  | U ug/l | 1   | 0.13 | 0.65 | N/A            | 02/12 09:55 AJ          |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:38pm

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-2  
 Sample Description TRIP BLANK  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled

| Parameter                 | Method | Result | DIL | MDL   | PQL  | Prep Date,Time | Test Date,Time,Analyst |
|---------------------------|--------|--------|-----|-------|------|----------------|------------------------|
| TRANS-1,3-DICHLOROPROPENE | 524.2  | U ug/l | 1   | 0.23  | 1.2  | N/A            | 02/12 09:55 AJ         |
| 1,1,2-TRICHLOROETHANE     | 524.2  | U ug/l | 1   | 0.42  | 2.1  | N/A            | 02/12 09:55 AJ         |
| TOLUENE                   | 524.2  | U ug/l | 1   | 0.10  | 0.50 | N/A            | 02/12 09:55 AJ         |
| 1,3-DICHLOROPROPANE       | 524.2  | U ug/l | 1   | 0.20  | 1.0  | N/A            | 02/12 09:55 AJ         |
| DIBROMOCHLOROMETHANE      | 524.2  | U ug/l | 1   | 0.25  | 1.3  | N/A            | 02/12 09:55 AJ         |
| 1,2-DIBROMOETHANE         | 524.2  | U ug/l | 1   | 0.33  | 1.7  | N/A            | 02/12 09:55 AJ         |
| TETRACHLOROETHENE         | 524.2  | U ug/l | 1   | 0.27  | 1.4  | N/A            | 02/12 09:55 AJ         |
| 1,1,1,2-TETRACHLOROETHANE | 524.2  | U ug/l | 1   | 0.080 | 0.40 | N/A            | 02/12 09:55 AJ         |
| CHLOROBENZENE             | 524.2  | U ug/l | 1   | 0.30  | 1.5  | N/A            | 02/12 09:55 AJ         |
| ETHYL BENZENE             | 524.2  | U ug/l | 1   | 0.080 | 0.40 | N/A            | 02/12 09:55 AJ         |
| M&P-XYLENES               | 524.2  | U ug/l | 1   | 0.31  | 1.6  | N/A            | 02/12 09:55 AJ         |
| BROMOFORM                 | 524.2  | U ug/l | 1   | 0.20  | 1.0  | N/A            | 02/12 09:55 AJ         |
| TOTAL THM                 | 524.2  | U ug/l | 1   | 0.89  | 4.5  | N/A            | 02/12 09:55 AJ         |
| STYRENE                   | 524.2  | U ug/l | 1   | 0.15  | 0.75 | N/A            | 02/12 09:55 AJ         |
| 1,1,2,2-TETRACHLOROETHANE | 524.2  | U ug/l | 1   | 0.35  | 1.8  | N/A            | 02/12 09:55 AJ         |
| O-XYLENE                  | 524.2  | U ug/l | 1   | 0.10  | 0.50 | N/A            | 02/12 09:55 AJ         |
| XYLENES (TOTAL)           | 524.2  | U ug/l | 1   | 0.41  | 2.1  | N/A            | 02/12 09:55 AJ         |
| 1,2,3-TRICHLOROPROPANE    | 524.2  | U ug/l | 1   | 0.22  | 1.1  | N/A            | 02/12 09:55 AJ         |
| ISOPROPYLBENZENE          | 524.2  | U ug/l | 1   | 0.060 | 0.30 | N/A            | 02/12 09:55 AJ         |
| BROMOBENZENE              | 524.2  | U ug/l | 1   | 0.19  | 0.95 | N/A            | 02/12 09:55 AJ         |
| N-PROPYLBENZENE           | 524.2  | U ug/l | 1   | 0.10  | 0.50 | N/A            | 02/12 09:55 AJ         |
| 2-CHLOROTOLUENE           | 524.2  | U ug/l | 1   | 0.15  | 0.75 | N/A            | 02/12 09:55 AJ         |
| 4-CHLOROTOLUENE           | 524.2  | U ug/l | 1   | 0.20  | 1.0  | N/A            | 02/12 09:55 AJ         |
| 1,3,5-TRIMETHYLBENZENE    | 524.2  | U ug/l | 1   | 0.070 | 0.35 | N/A            | 02/12 09:55 AJ         |
| T-BUTYLBENZENE            | 524.2  | U ug/l | 1   | 0.11  | 0.55 | N/A            | 02/12 09:55 AJ         |
| 1,2,4-TRIMETHYLBENZENE    | 524.2  | U ug/l | 1   | 0.070 | 0.35 | N/A            | 02/12 09:55 AJ         |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:38pm

Project No: 002446, MIAMI-DADE WATER &amp; SEWER

P.O. No: 36724

Inv. No: 207847

Job Name: ANNUAL SAMPLING

Job Id:

Sample Number L246683-2  
 Sample Description TRIP BLANK  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled

| Parameter                           | Method | Result     | DIL | MDL    | PQL               | Prep Date,Time | Test Date, Time,Analyst |
|-------------------------------------|--------|------------|-----|--------|-------------------|----------------|-------------------------|
| SEC-BUTYLBENZENE                    | 524.2  | U ug/l     | 1   | 0.090  | 0.45              | N/A            | 02/12 09:55 AJ          |
| 1,3-DICHLOROBENZENE                 | 524.2  | U ug/l     | 1   | 0.17   | 0.85              | N/A            | 02/12 09:55 AJ          |
| 1,4-DICHLOROBENZENE                 | 524.2  | U ug/l     | 1   | 0.10   | 0.50              | N/A            | 02/12 09:55 AJ          |
| P-ISOPROPYLTOLUENE                  | 524.2  | U ug/l     | 1   | 0.10   | 0.50              | N/A            | 02/12 09:55 AJ          |
| 1,2-DICHLOROBENZENE                 | 524.2  | U ug/l     | 1   | 0.10   | 0.50              | N/A            | 02/12 09:55 AJ          |
| N-BUTYLBENZENE                      | 524.2  | U ug/l     | 1   | 0.12   | 0.60              | N/A            | 02/12 09:55 AJ          |
| 1,2-DIBROMO-3-CHLOROPROPANE         | 524.2  | U ug/l     | 1   | 0.38   | 1.9               | N/A            | 02/12 09:55 AJ          |
| 1,2,4-TRICHLOROBENZENE              | 524.2  | U ug/l     | 1   | 0.16   | 0.80              | N/A            | 02/12 09:55 AJ          |
| NAPHTHALENE                         | 524.2  | U ug/l     | 1   | 0.14   | 0.70              | N/A            | 02/12 09:55 AJ          |
| HEXACHLOROBUTADIENE                 | 524.2  | U ug/l     | 1   | 0.36   | 1.8               | N/A            | 02/12 09:55 AJ          |
| 1,2,3-TRICHLOROBENZENE              | 524.2  | U ug/l     | 1   | 0.14   | 0.70              | N/A            | 02/12 09:55 AJ          |
| SURROGATES                          |        | % RECOVERY |     |        | % Recovery Limits |                |                         |
| BROMOFLUOROBENZENE (SURR)           | 524.2  | 103 %      | 1   |        | 70-130            |                | 02/12 09:55 AJ          |
| 1,2-DICHLOROBENZENE-D4              | 524.2  | 105 %      | 1   |        | 70-130            |                | 02/12 09:55 AJ          |
| EDB/DBCP BY GC<br>1,2-DIBROMOETHANE | 504    | U ug/l     | 1   | 0.0027 | 0.014             | 02/12 09:00    | 02/17 02:21 MR          |
| 1,2-DIBROMO-3-CHLOROPROPANE         | 504    | U ug/l     | 1   | 0.0061 | 0.031             | 02/12 09:00    | 02/17 02:21 MR          |
| SURROGATES                          |        | % RECOVERY |     |        | % Recovery Limits |                |                         |
| BROMOFLUOROBENZENE (SURR)           | 504    | 91 %       | 1   |        | 70-130            | 02/12 09:00    | 02/17 02:21 MR          |





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Log#

## Quote:

Page 1 of 1

## CHAIN OF CUSTODY RECORD

| Container Type Codes |                   |
|----------------------|-------------------|
| AV                   | Amber Vial        |
| CV                   | Clear Vial        |
| P                    | Plastic           |
| AL                   | Amber Lifer       |
| CL                   | Clear Lifer       |
| AP                   | Amber Plastic     |
| AO                   | Amber Glass       |
| SJ                   | Sol Jar           |
| ES                   | Enzyme Sampler    |
| PV                   | Prepainted Vial   |
| PLC                  | Plastic container |
| PLJ                  | PLJ Plastic Jar   |
| ZB                   | Zinc bag          |
| ZBPC                 | Zinc bag          |
| TDLAR                | Tedlar bag        |
| WHIRL P              | Whirl pack        |
| G                    | Gallon Jar        |

| Matrix Codes* |              |     |                           |
|---------------|--------------|-----|---------------------------|
| SD            | Solid Waste, | WW  | Waste Water               |
| SO            | Soil         | AFW | Air/Vegetative-Free Water |
| SE            | Sediment     | DW  | Drinking Water            |
| SI            | Sludge       | SU  | Surfactant Water          |
| CL            | Oil          | AQ  | Aqueous                   |
| PE            | Petroleum    | SW  | Source Water              |
| CE            | Non-aqueous  | A   | Air                       |
| NA            | Misc. Liquid | Q   | Other                     |
| ML            | Misc. Liquid |     |                           |
| GW            | Ground Water |     |                           |
| EFF           | Effluent     |     |                           |

Pres/Codes

|               |  |
|---------------|--|
| I. Ice        | E. HCl   |
| J. MCAA       | F. MeOH  |
| K. Zn Acetate | G. Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> |
| L. Other      | H. NaHSO <sub>4</sub>                            |

REMARKS[illegible]

**Genapure** Telephone: 888-862-LABS or 561-447-7373 Fax: 888-456-4846 or 561-447-6136 Revision G101007

26917

## ANALYTICAL RESULTS

Printed: 02/29/08 07:19pm

Regarding:

ATTN: CLIVE POWELL  
 MIAMI-DADE WATER & SEWER  
 SOUTH DISTRICT LABORATORY  
 8950 SW 232 ST.  
 MIAMI, FL 33170

MIAMI-DADE WATER & SEWER  
 HAZARDOUS MATERIAL MANAGEMENT SECTION  
 6800 SW 87 AVE  
 MIAMI, FL 33173

Account No: 002446, MIAMI-DADE WATER & SEWER  
 Project No: 002446, MIAMI-DADE WATER & SEWER

P.O. No: 36724  
 PWSID No:

Inv. No: 207847

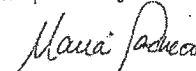
Sample Number L246683-1  
 Sample Description REUSE EFFLUENT  
 Samp. Date/Time/Temp 02/07/08 00:00am NA C  
 Receive Date 02/07/08  
 Sampled by Customer Sampled  
 Received Temp 4 C Iced (Y/N): Y

| INORGANIC CONTAMINANTS 62-550.310(1) |                  |     |       |                 |      |                   |          |               |       |               |
|--------------------------------------|------------------|-----|-------|-----------------|------|-------------------|----------|---------------|-------|---------------|
| Cont. ID                             | Contaminant Name | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL  | Analysis Date | Time  | DOH Lab Cert# |
| 1040                                 | NITRATE (AS N)   | N/A | mg/l  | 0.052           | U    | 300.0             | 0.052    | 02/08/08      | 22:19 | E86240        |
| 1041                                 | NITRITE (AS N)   | N/A | mg/l  | 0.012           | U    | 300.0             | 0.012    | 02/08/08      | 22:19 | E86240        |
| 1005                                 | ARSENIC          | N/A | mg/l  | 0.00150         | I    | 200.8             | 0.00090  | 02/11/08      | 17:16 | E86240        |
| 1010                                 | BARIUM           | N/A | mg/l  | 0.00670         |      | 200.8             | 0.00090  | 02/11/08      | 17:16 | E86240        |
| 1015                                 | CADMIUM          | N/A | mg/l  | 0.00037         | U    | 200.7             | 0.00037  | 02/11/08      | 21:41 | E86240        |
| 1020                                 | CHROMIUM         | N/A | mg/l  | 0.00099         | U    | 200.7             | 0.00099  | 02/11/08      | 21:41 | E86240        |
| 1025                                 | FLUORIDE         | N/A | mg/l  | 0.30            | U    | 300.0             | 0.30     | 02/08/08      | 22:19 | E86240        |
| 1030                                 | LEAD             | N/A | mg/l  | 0.00010         | U    | 200.8             | 0.00010  | 02/11/08      | 17:16 | E86240        |
| 1035                                 | MERCURY          | N/A | mg/l  | 0.000065        | U    | 245.1             | 0.000065 | 02/09/08      | 14:35 | E86240        |
| 1036                                 | NICKEL           | N/A | mg/l  | 0.00206         | I    | 200.7             | 0.0011   | 02/11/08      | 21:41 | E86240        |
| 1045                                 | SELENIUM         | N/A | mg/l  | 0.00090         | U    | 200.8             | 0.00090  | 02/11/08      | 17:16 | E86240        |
| 1052                                 | SODIUM           | N/A | mg/l  | 78.0            |      | 200.7             | 0.075    | 02/11/08      | 21:41 | E86240        |
| 1074                                 | ANTIMONY         | N/A | mg/l  | 0.00120         | IV   | 200.8             | 0.00070  | 02/12/08      | 14:37 | E86240        |

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.  
 Flags: ND or U-below MDL; IL-meets internal lab limits; MI-matrix interference; NA-not applicable.  
 Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code  
 FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;  
 FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range; I-estimated value; between the MDL and PQL;  
 Lab certification IDs: FLDH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917; NJ FL014; PA 68-03756;  
 Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.  
 EPA 18 is a non-NELAC certifiable parameter.

Genapure Analytical Services, Inc. 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Respectfully submitted,



Maria Pacheco  
 Project Manager

**ANALYTICAL RESULTS**

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWERP.O. No: 36724  
PWSID No:

Inv. No: 207847

Sample Number L246683-1  
Sample Description REUSE EFFLUENT  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| Cont.<br>ID | Contaminant<br>Name | MCL | Units | Analysis<br>Result | Qual | Analytical<br>Method | Lab MDL | Analysis<br>Date | Analysis<br>Time | DOH Lab<br>Cert# |
|-------------|---------------------|-----|-------|--------------------|------|----------------------|---------|------------------|------------------|------------------|
| 1075        | BERYLLIUM           | N/A | mg/l  | 0.00010            | U    | 200.8                | 0.00010 | 02/12/08         | 14:37            | E86240           |
| 1085        | THALLIUM            | N/A | mg/l  | 0.00040            | U    | 200.8                | 0.00040 | 02/11/08         | 17:16            | E86240           |
| 1094        | ASBESTOS            | N/A | MFL   | 0.18               | U    | 100.2                | 0.18    | 02/11/08         | 16:00            | E86772           |



# ANALYTICAL RESULTS

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Sample Number L246683-1  
Sample Description REUSE EFFLUENT  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

## SECONDARY CONTAMINANTS 62-550.320

| Cont. ID | Contaminant Name       | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | Analysis Date | Analysis Time | DOH Lab Cert# |
|----------|------------------------|-----|-------|-----------------|------|-------------------|---------|---------------|---------------|---------------|
| 1002     | ALUMINUM               | N/A | mg/l  | 0.0414          | I    | 200.7             | 0.038   | 02/11/08      | 21:41         | E86240        |
| 1022     | COPPER                 | N/A | mg/l  | 0.00705         | IV   | 200.7             | 0.0050  | 02/11/08      | 21:41         | E86240        |
| 1025     | FLUORIDE               | N/A | mg/l  | 0.30            | U    | 300.0             | 0.30    | 02/08/08      | 22:19         | E86240        |
| 1028     | IRON                   | N/A | mg/l  | 0.020           | U    | 200.7             | 0.020   | 02/11/08      | 21:41         | E86240        |
| 1032     | MANGANESE              | N/A | mg/l  | 0.0118          | V    | 200.8             | 0.00040 | 02/11/08      | 17:16         | E86240        |
| 1050     | SILVER                 | N/A | mg/l  | 0.0010          | U    | 200.7             | 0.0010  | 02/11/08      | 21:41         | E86240        |
| 1055     | SULFATE                | N/A | mg/l  | 42.1            |      | 300.0             | 0.70    | 02/08/08      | 22:19         | E86240        |
| 1095     | ZINC                   | N/A | mg/l  | 0.00967         | I    | 200.7             | 0.0052  | 02/11/08      | 21:41         | E86240        |
| 1905     | COLOR                  | N/A | pcu   | 10.0            |      | SM2120B           | 5.0     | 02/08/08      | 07:50         | E86240        |
| 1920     | ODOR                   | N/A | TON   | 16.0            |      | 140.1             | 1.0     | 02/08/08      | 10:00         | E86240        |
| 1930     | TOTAL DISSOLVED SOLIDS | N/A | mg/l  | 421.            | V    | 160.1             | 7.0     | 02/13/08      | 09:30         | E86240        |
| 2905     | FOAMING AGENTS         | N/A | mg/l  | 0.10            | U    | SM5540C           | 0.10    | 02/08/08      | 00:00         | E86240        |

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MIAMI-DADE WATER & SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWER

P.O. No: 36724  
PWSID No:

Inv. No: 207847

Sample Number: L246683-1  
Sample Description: REUSE EFFLUENT  
Samp. Date/Time/Temp: 02/07/08 00:00am NA C  
Receive Date: 02/07/08  
Sampled by: Customer Sampled  
Received Temp: 4 C Iced (Y/N): Y

DISINFECTION BYPRODUCTS 62-550.310(3)

| Cont. ID | Contaminant Name      | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | Analysis Date | Analysis Time | DOH Lab Cert# |
|----------|-----------------------|-----|-------|-----------------|------|-------------------|---------|---------------|---------------|---------------|
| 2941     | CHLOROFORM            | N/A | ug/l  | 13.2            |      | 524.2             | 0.28    | 02/12/08      | 09:31         | E86240        |
| 2942     | BROMOFORM             | N/A | ug/l  | 0.20            | U    | 524.2             | 0.20    | 02/12/08      | 09:31         | E86240        |
| 2943     | BROMODICHLOROMETHANE  | N/A | ug/l  | 4.71            |      | 524.2             | 0.16    | 02/12/08      | 09:31         | E86240        |
| 2944     | DIBROMOCHLOROMETHANE  | N/A | ug/l  | 1.49            |      | 524.2             | 0.25    | 02/12/08      | 09:31         | E86240        |
|          | TOTAL TRIHALOMETHANES | N/A | ug/l  | 19.4            |      | 524.2             | 0.89    | 02/12/08      | 09:31         | E86240        |

## ANALYTICAL RESULTS

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MIAMI-DADE WATER &amp; SEWER

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PWSID No:

Inv. No: 207847

Sample Number L246683-1  
Sample Description REUSE EFFLUENT  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| VOLATILE ORGANICS 62-550.310(4)(a) |                            |     |       |                 |      |                   |         |      |               |       |               |
|------------------------------------|----------------------------|-----|-------|-----------------|------|-------------------|---------|------|---------------|-------|---------------|
| Cont. ID                           | Contaminant Name           | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | RDL  | Analysis Date | Time  | DOH Lab Cert# |
| 2378                               | 1,2,4-TRICHLOROBENZENE     | N/A | ug/l  | 0.16            | U    | 524.2             | 0.16    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2380                               | CIS-1,2-DICHLOROETHYLENE   | N/A | ug/l  | 0.17            | U    | 524.2             | 0.17    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2955                               | TOTAL XYLENES              | N/A | ug/l  | 0.41            | U    | 524.2             | 0.41    | 1.0  | 02/12/08      | 09:31 | E86240        |
| 2964                               | DICHLOROMETHANE            | N/A | ug/l  | 0.40            | U    | 524.2             | 0.40    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2968                               | O-DICHLOROBENZENE          | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2969                               | PARA-DICHLOROBENZENE       | N/A | ug/l  | 1.65            |      | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2976                               | VINYL CHLORIDE             | N/A | ug/l  | 0.34            | U    | 524.2             | 0.34    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2977                               | 1,1-DICHLOROETHYLENE       | N/A | ug/l  | 0.27            | U    | 524.2             | 0.27    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2979                               | TRANS-1,2-DICHLOROETHYLENE | N/A | ug/l  | 0.19            | U    | 524.2             | 0.19    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2980                               | 1,2-DICHLOROETHANE         | N/A | ug/l  | 0.18            | U    | 524.2             | 0.18    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2981                               | 1,1,1-TRICHLOROETHANE      | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2982                               | CARBON TETRACHLORIDE       | N/A | ug/l  | 0.11            | U    | 524.2             | 0.11    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2983                               | 1,2-DICHLOROPROPANE        | N/A | ug/l  | 0.14            | U    | 524.2             | 0.14    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2984                               | TRICHLOROETHYLENE          | N/A | ug/l  | 0.23            | U    | 524.2             | 0.23    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2985                               | 1,1,2-TRICHLOROETHANE      | N/A | ug/l  | 0.42            | U    | 524.2             | 0.42    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2987                               | TETRACHLOROETHYLENE        | N/A | ug/l  | 0.310           | I    | 524.2             | 0.27    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2989                               | MONOCHLOROBENZENE          | N/A | ug/l  | 0.30            | U    | 524.2             | 0.30    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2990                               | BENZENE                    | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2991                               | TOLUENE                    | N/A | ug/l  | 0.140           | I    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2992                               | ETHYLBENZENE               | N/A | ug/l  | 0.080           | U    | 524.2             | 0.080   | 0.50 | 02/12/08      | 09:31 | E86240        |
| 2996                               | STYRENE                    | N/A | ug/l  | 0.15            | U    | 524.2             | 0.15    | 0.50 | 02/12/08      | 09:31 | E86240        |

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PWSID No:

Inv. No: 207847

Sample Number L246683-1  
Sample Description REUSE EFFLUENT  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| SYNTHETIC ORGANICS |                                 | 62-550.310(4)(b) |       |                 |      |                   |         |       |           |               |       |               |  |
|--------------------|---------------------------------|------------------|-------|-----------------|------|-------------------|---------|-------|-----------|---------------|-------|---------------|--|
| Cont. ID           | Contaminant Name                | MCL              | Units | Analysis Result | Qual | Analytical Method | Lab MDL | RDL   | Extr Date | Analysis Date | Time  | DOH Lab Cert# |  |
| 2005               | ENDRIN                          | N/A              | ug/l  | 0.0083          | U    | 508.1             | 0.008   | 0.010 | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2010               | LINDANE                         | N/A              | ug/l  | 0.0083          | U    | 508.1             | 0.008   | 0.021 | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2015               | METHOXYCHLOR                    | N/A              | ug/l  | 0.021           | U    | 508.1             | 0.021   | 0.10  | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2020               | TOXAPHENE                       | N/A              | ug/l  | 0.24            | U    | 508.1             | 0.24    | 1.0   | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2031               | DALAPON                         | N/A              | ug/l  | 0.60            | U    | 515.3             | 0.60    | 1.0   | 02/13/08  | 02/21/08      | 11:54 | E83079        |  |
| 2032               | DIQUAT                          | N/A              | ug/l  | 0.29            | U    | 549.2             | 0.29    | 0.40  | 02/13/08  | 02/18/08      | 20:48 | E83079        |  |
| 2033               | ENDOTHALL                       | N/A              | ug/l  | 7.6             | U    | 548.1             | 7.6     | 9.0   | 02/12/08  | 02/15/08      | 23:43 | E83079        |  |
| 2034               | GLYPHOSATE                      | N/A              | ug/l  | 0.99            | U    | 547               | 0.99    | 6.0   | 02/13/08  | 02/13/08      | 15:50 | E83079        |  |
| 2035               | DI(2-ETHYLHEXYL)ADIPATE         | N/A              | ug/l  | 0.23            | U    | 525.2             | 0.23    | 1.6   | 02/14/08  | 02/16/08      | 00:43 | E83079        |  |
| 2036               | OXAMYL(VYDATE)                  | N/A              | ug/l  | 0.16            | U    | 531.1             | 0.16    | 2.0   | 02/19/08  | 02/19/08      | 23:32 | E83079        |  |
| 2037               | SIMAZINE                        | N/A              | ug/l  | 0.13            | U    | 508.1             | 0.13    | 0.073 | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2039               | DI(2-ETHYLHEXYL)PHTHALATE       | N/A              | ug/l  | 0.75            | I    | 525.2             | 0.51    | 2.0   | 02/14/08  | 02/16/08      | 00:43 | E83079        |  |
| 2040               | PICLORAM                        | N/A              | ug/l  | 0.037           | U    | 515.3             | 0.037   | 0.10  | 02/13/08  | 02/21/08      | 11:54 | E83079        |  |
| 2041               | DINOSEB                         | N/A              | ug/l  | 0.096           | U    | 515.3             | 0.096   | 0.20  | 02/13/08  | 02/21/08      | 11:54 | E83079        |  |
| 2042               | HEXACHLOROCYCLOPENTADIENE       | N/A              | ug/l  | 0.019           | U    | 508.1             | 0.019   | 0.10  | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2046               | CARBOFURAN                      | N/A              | ug/l  | 0.13            | U    | 531.1             | 0.13    | 2.0   | 02/19/08  | 02/19/08      | 23:32 | E83079        |  |
| 2050               | ATRAZINE                        | N/A              | ug/l  | 0.14            | U    | 508.1             | 0.14    | 0.10  | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2051               | ALACHLOR                        | N/A              | ug/l  | 0.015           | U    | 508.1             | 0.015   | 0.21  | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2065               | HEPTACHLOR                      | N/A              | ug/l  | 0.027           | U    | 508.1             | 0.027   | 0.042 | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2067               | HEPTACHLOR EPOXIDE              | N/A              | ug/l  | 0.0062          | U    | 508.1             | 0.006   | 0.021 | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2105               | 2,4-D                           | N/A              | ug/l  | 0.055           | U    | 515.3             | 0.055   | 0.10  | 02/13/08  | 02/21/08      | 11:54 | E83079        |  |
| 2110               | 2,4,5-TP (SILVEX)               | N/A              | ug/l  | 0.038           | U    | 515.3             | 0.038   | 0.20  | 02/13/08  | 02/21/08      | 11:54 | E83079        |  |
| 2274               | HEXACHLOROBENZENE               | N/A              | ug/l  | 0.0083          | U    | 508.1             | 0.008   | 0.10  | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2306               | BENZO(A)PYRENE                  | N/A              | ug/l  | 0.036           | U    | 525.2             | 0.036   | 0.10  | 02/14/08  | 02/16/08      | 00:43 | E83079        |  |
| 2326               | PENTACHLOROPHENOL               | N/A              | ug/l  | 0.0040          | U    | 515.3             | 0.004   | 0.040 | 02/13/08  | 02/21/08      | 11:54 | E83079        |  |
| 2383               | POLYCHLORINATED BIPHENYLS(PCBS) | N/A              | ug/l  | 0.10            | U    | 508.1             | 0.10    | 0.10  | 02/15/08  | 02/16/08      | 08:58 | E83079        |  |
| 2931               | DIBROMOCHLOROPROPANE            | N/A              | ug/l  | 0.38            | U    | 524.2             | 0.38    | 0.50  | 02/12/08  | 02/12/08      | 09:31 | E86240        |  |
| 2931               | DIBROMOCHLOROPROPANE            | N/A              | ug/l  | 0.0061          | U    | 504.1             | 0.006   | 0.020 | 02/12/08  | 02/17/08      | 01:58 | E86240        |  |
| 2946               | ETHYLENE DIBROMIDE (EDB)        | N/A              | ug/l  | 0.33            | U    | 524.2             | 0.33    | 0.50  | 02/12/08  | 02/12/08      | 09:31 | E86240        |  |

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Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| Cont.<br>ID | Contaminant<br>Name      | MCL | Units | Analysis<br>Result | Qual | Analytical<br>Method | Lab<br>MDL | RDL   | Extr<br>Date | Analysis<br>Date | Time  | DOH Lab<br>Cert# |
|-------------|--------------------------|-----|-------|--------------------|------|----------------------|------------|-------|--------------|------------------|-------|------------------|
| 2946        | ETHYLENE DIBROMIDE (EDB) | N/A | ug/l  | 0.0027             | U    | 504.1                | 0.002      | 0.010 | 02/12/08     | 02/17/08         | 01:58 | E86240           |
| 2959        | CHLORDANE                | N/A | ug/l  | 0.060              | U    | 508.1                | 0.060      | 0.21  | 02/15/08     | 02/16/08         | 08:58 | E83079           |

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Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| OTHER CONTAMINANTS<br>Cont. ID | Contaminant Name          | MCL     | Units | Analysis Result | Qual | Analytical Method | Lab MDL | Analysis Date | Time  | DOH Lab Cert# |
|--------------------------------|---------------------------|---------|-------|-----------------|------|-------------------|---------|---------------|-------|---------------|
| 2210                           | CHLOROMETHANE             | N/A     | ug/l  | 0.690           |      | 524.2             | 0.44    | 02/12/08      | 09:31 | E86240        |
| 2412                           | 1,3-DICHLOROPROPANE       | N/A     | ug/l  | 0.20            | U    | 524.2             | 0.20    | 02/12/08      | 09:31 | E86240        |
| 2416                           | 2,2-DICHLOROPROPANE       | N/A     | ug/l  | 0.16            | U    | 524.2             | 0.16    | 02/12/08      | 09:31 | E86240        |
| 2988                           | 1,1,2,2-TETRACHLOROETHANE | N/A     | ug/l  | 0.35            | U    | 524.2             | 0.35    | 02/12/08      | 09:31 | E86240        |
| 2214                           | BROMOMETHANE              | N/A     | ug/l  | 0.23            | U    | 524.2             | 0.23    | 02/12/08      | 09:31 | E86240        |
|                                | M&P-XYLENES               | N/A     | ug/l  | 0.31            | U    | 524.2             | 0.31    | 02/12/08      | 09:31 | E86240        |
| 2216                           | CHLOROETHANE              | N/A     | ug/l  | 0.360           | I    | 524.2             | 0.30    | 02/12/08      | 09:31 | E86240        |
|                                | TRANS-1,3-DICHLOROPROPENE | N/A     | ug/l  | 0.23            | U    | 524.2             | 0.23    | 02/12/08      | 09:31 | E86240        |
|                                | N-PROPYLBENZENE           | N/A     | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08      | 09:31 | E86240        |
| 2408                           | DIBROMOMETHANE            | N/A     | ug/l  | 0.41            | U    | 524.2             | 0.41    | 02/12/08      | 09:31 | E86240        |
|                                | P-ISOPROPYLTOLUENE        | N/A     | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08      | 09:31 | E86240        |
|                                | PH LAB                    | 6.5-8.5 | units | 6.79            |      | SM4500HB          | 0.10    | 02/14/08      | 15:30 | E86240        |
| 2212                           | DICHLORODIFLUOROMETHANE   | N/A     | ug/l  | 0.44            | U    | 524.2             | 0.44    | 02/12/08      | 09:31 | E86240        |
|                                | AMMONIA                   | N/A     | mg/l  | 24.0            |      | 350.1             | 4.2     | 02/14/08      | 00:00 | E86240        |
|                                | 1,3,5-TRIMETHYLBENZENE    | N/A     | ug/l  | 0.070           | U    | 524.2             | 0.070   | 02/12/08      | 09:31 | E86240        |
|                                | PHOSPHORUS AS P           | N/A     | mg/l  | 0.612           |      | 365.1             | 0.0024  | 02/14/08      | 00:00 | E86240        |
| 2410                           | 1,1-DICHLOROPROPENE       | N/A     | ug/l  | 0.28            | U    | 524.2             | 0.28    | 02/12/08      | 09:31 | E86240        |
|                                | 1,2,4-TRIMETHYLBENZENE    | N/A     | ug/l  | 0.070           | U    | 524.2             | 0.070   | 02/12/08      | 09:31 | E86240        |
| 2986                           | 1,1,1,2-TETRACHLOROETHANE | N/A     | ug/l  | 0.080           | U    | 524.2             | 0.080   | 02/12/08      | 09:31 | E86240        |
|                                | CIS-1,3-DICHLOROPROPENE   | N/A     | ug/l  | 0.13            | U    | 524.2             | 0.13    | 02/12/08      | 09:31 | E86240        |
|                                | T-BUTYLBENZENE            | N/A     | ug/l  | 0.11            | U    | 524.2             | 0.11    | 02/12/08      | 09:31 | E86240        |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWERP.O. No: 36724  
PWSID No:

Inv. No: 207847

Sample Number L246683-1  
Sample Description REUSE EFFLUENT  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| Cont. ID | Contaminant Name            | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | Analysis Date | Time  | DOH Lab Cert# |
|----------|-----------------------------|-----|-------|-----------------|------|-------------------|---------|---------------|-------|---------------|
|          | 2-CHLOROTOLUENE             | N/A | ug/l  | 0.15            | U    | 524.2             | 0.15    | 02/12/08      | 09:31 | E86240        |
|          | HEXACHLOROBUTADIENE         | N/A | ug/l  | 0.36            | U    | 524.2             | 0.36    | 02/12/08      | 09:31 | E86240        |
|          | BROMOFLUOROBENZENE (SURR)   | N/A | %     | 92.0            |      | 504.1             |         | 02/17/08      | 01:58 | E86240        |
|          | N-BUTYLBENZENE              | N/A | ug/l  | 0.12            | U    | 524.2             | 0.12    | 02/12/08      | 09:31 | E86240        |
|          | O-XYLENE                    | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08      | 09:31 | E86240        |
| 2967     | 1,3-DICHLOROBENZENE         | N/A | ug/l  | 0.17            | U    | 524.2             | 0.17    | 02/12/08      | 09:31 | E86240        |
| 2414     | 1,2,3-TRICHLOROPROPANE      | N/A | ug/l  | 0.0067          | U    | 504.1             | 0.0067  | 02/17/08      | 01:58 | E86240        |
| 2414     | 1,2,3-TRICHLOROPROPANE      | N/A | ug/l  | 0.22            | U    | 524.2             | 0.22    | 02/12/08      | 09:31 | E86240        |
|          | BROMOCHLOROMETHANE          | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08      | 09:31 | E86240        |
| 2218     | TRICHLOROFLUOROMETHANE      | N/A | ug/l  | 0.11            | U    | 524.2             | 0.11    | 02/12/08      | 09:31 | E86240        |
| 2993     | BROMOBENZENE                | N/A | ug/l  | 0.19            | U    | 524.2             | 0.19    | 02/12/08      | 09:31 | E86240        |
|          | NAPHTHALENE                 | N/A | ug/l  | 0.14            | U    | 524.2             | 0.14    | 02/12/08      | 09:31 | E86240        |
|          | TOTAL NITRATE/NITRITE       | N/A | mg/l  | 0.12            | U    | 300.0             | 0.12    | 02/08/08      | 22:19 | E86240        |
|          | KJELDAHL NITROGEN           | N/A | mg/l  | 32.1            |      | 351.2             | 2.2     | 02/13/08      | 00:00 | E86240        |
|          | ISOPROPYLBENZENE            | N/A | ug/l  | 0.060           | U    | 524.2             | 0.060   | 02/12/08      | 09:31 | E86240        |
|          | METHYL TERTIARY BUTYL ETHER | N/A | ug/l  | 0.21            | U    | 524.2             | 0.21    | 02/12/08      | 09:31 | E86240        |
|          | CYANIDE, TOTAL              | N/A | mg/l  | 0.0032          | U    | 335.4             | 0.0032  | 02/14/08      | 13:27 | E86240        |
| 2978     | 1,1-DICHLOROETHANE          | N/A | ug/l  | 0.11            | U    | 524.2             | 0.11    | 02/12/08      | 09:31 | E86240        |
|          | 1,2,3-TRICHLOROBENZENE      | N/A | ug/l  | 0.14            | U    | 524.2             | 0.14    | 02/12/08      | 09:31 | E86240        |
|          | SEC-BUTYLBENZENE            | N/A | ug/l  | 0.090           | U    | 524.2             | 0.090   | 02/12/08      | 09:31 | E86240        |

**ANALYTICAL RESULTS**

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWERP.O. No: 36724  
PWSID No:

Inv. No: 207847

Sample Number L246683-1  
Sample Description REUSE EFFLUENT  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| Cont.<br>ID | Contaminant<br>Name | MCL | Units | Analysis<br>Result | Qual | Analytical<br>Method | Lab MDL | Analysis<br>Date Time | DOH Lab<br>Cert# |
|-------------|---------------------|-----|-------|--------------------|------|----------------------|---------|-----------------------|------------------|
| 2966        | 4-CHLOROTOLUENE     | N/A | ug/l  | 0.20               | U    | 524.2                | 0.20    | 02/12/08 09:31        | E86240           |
|             | OIL & GREASE        | N/A | mg/l  | 2.60               | I    | 1664                 | 1.8     | 02/12/08 18:00        | E86240           |



## ANALYTICAL RESULTS

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER & SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWER

P.O. No: 36724  
PWSID No:

Inv. No: 207847

\*\*\*\* NOTES CONCERNING THE ABOVE SAMPLE \*\*\*\*

MB Sb 0.001010 mg/L

**ANALYTICAL RESULTS**

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWERP.O. No: 36724  
PWSID No:

Inv. No: 207847

Sample Number L246683-2  
Sample Description TRIP BLANK  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

## DISINFECTION BYPRODUCTS 62-550.310(3)

| Cont. ID | Contaminant Name      | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | Analysis Date | Analysis Time | DOH Lab Cert# |
|----------|-----------------------|-----|-------|-----------------|------|-------------------|---------|---------------|---------------|---------------|
| 2941     | CHLOROFORM            | N/A | ug/l  | 0.28            | U    | 524.2             | 0.28    | 02/12/08      | 09:55         | E86240        |
| 2942     | BROMOFORM             | N/A | ug/l  | 0.20            | U    | 524.2             | 0.20    | 02/12/08      | 09:55         | E86240        |
| 2943     | BROMODICHLOROMETHANE  | N/A | ug/l  | 0.16            | U    | 524.2             | 0.16    | 02/12/08      | 09:55         | E86240        |
| 2944     | DIBROMOCHLOROMETHANE  | N/A | ug/l  | 0.25            | U    | 524.2             | 0.25    | 02/12/08      | 09:55         | E86240        |
|          | TOTAL TRIHALOMETHANES | N/A | ug/l  | 0.89            | U    | 524.2             | 0.89    | 02/12/08      | 09:55         | E86240        |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWERP.O. No: 36724  
PWSID No:

Inv. No: 207847

Sample Number L246683-2  
Sample Description TRIP BLANK  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

## VOLATILE ORGANICS 62-550.310(4)(a)

| Cont. ID | Contaminant Name           | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | RDL  | Analysis Date | Time  | DOH Lab Cert# |
|----------|----------------------------|-----|-------|-----------------|------|-------------------|---------|------|---------------|-------|---------------|
| 2378     | 1,2,4-TRICHLOROBENZENE     | N/A | ug/l  | 0.16            | U    | 524.2             | 0.16    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2380     | CIS-1,2-DICHLOROETHYLENE   | N/A | ug/l  | 0.17            | U    | 524.2             | 0.17    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2955     | TOTAL XYLENES              | N/A | ug/l  | 0.41            | U    | 524.2             | 0.41    | 1.0  | 02/12/08      | 09:55 | E86240        |
| 2964     | DICHLOROMETHANE            | N/A | ug/l  | 0.40            | U    | 524.2             | 0.40    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2968     | O-DICHLOROBENZENE          | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2969     | PARA-DICHLOROBENZENE       | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2976     | VINYL CHLORIDE             | N/A | ug/l  | 0.34            | U    | 524.2             | 0.34    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2977     | 1,1-DICHLOROETHYLENE       | N/A | ug/l  | 0.27            | U    | 524.2             | 0.27    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2979     | TRANS-1,2-DICHLOROETHYLENE | N/A | ug/l  | 0.19            | U    | 524.2             | 0.19    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2980     | 1,2-DICHLOROETHANE         | N/A | ug/l  | 0.18            | U    | 524.2             | 0.18    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2981     | 1,1,1-TRICHLOROETHANE      | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2982     | CARBON TETRACHLORIDE       | N/A | ug/l  | 0.11            | U    | 524.2             | 0.11    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2983     | 1,2-DICHLOROPROPANE        | N/A | ug/l  | 0.14            | U    | 524.2             | 0.14    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2984     | TRICHLOROETHYLENE          | N/A | ug/l  | 0.23            | U    | 524.2             | 0.23    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2985     | 1,1,2-TRICHLOROETHANE      | N/A | ug/l  | 0.42            | U    | 524.2             | 0.42    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2987     | TETRACHLOROETHYLENE        | N/A | ug/l  | 0.27            | U    | 524.2             | 0.27    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2989     | MONOCHLOROBENZENE          | N/A | ug/l  | 0.30            | U    | 524.2             | 0.30    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2990     | BENZENE                    | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2991     | TOLUENE                    | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2992     | ETHYLBENZENE               | N/A | ug/l  | 0.080           | U    | 524.2             | 0.080   | 0.50 | 02/12/08      | 09:55 | E86240        |
| 2996     | STYRENE                    | N/A | ug/l  | 0.15            | U    | 524.2             | 0.15    | 0.50 | 02/12/08      | 09:55 | E86240        |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWERP.O. No: 36724  
PWSID No:

Inv. No: 207847

Sample Number L246683-2  
Sample Description TRIP BLANK  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

## SYNTHETIC ORGANICS 62-550.310(4)(b)

| Cont. ID | Contaminant Name         | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | RDL   | Extr Date | Analysis Date | Time  | DOH Lab Cert# |
|----------|--------------------------|-----|-------|-----------------|------|-------------------|---------|-------|-----------|---------------|-------|---------------|
| 2931     | DIBROMOCHLOROPROPANE     | N/A | ug/l  | 0.0061          | U    | 504               | 0.006   | 0.020 | 02/12/08  | 02/17/08      | 02:21 | E86240        |
| 2931     | DIBROMOCHLOROPROPANE     | N/A | ug/l  | 0.38            | U    | 524.2             | 0.38    | 0.50  | 02/12/08  | 02/12/08      | 09:55 | E86240        |
| 2946     | ETHYLENE DIBROMIDE (EDB) | N/A | ug/l  | 0.0027          | U    | 504               | 0.002   | 0.010 | 02/12/08  | 02/17/08      | 02:21 | E86240        |
| 2946     | ETHYLENE DIBROMIDE (EDB) | N/A | ug/l  | 0.33            | U    | 524.2             | 0.33    | 0.50  | 02/12/08  | 02/12/08      | 09:55 | E86240        |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWERP.O. No: 36724  
PWSID No:

Inv. No: 207847

|                      |                       |
|----------------------|-----------------------|
| Sample Number        | L246683-2             |
| Sample Description   | TRIP BLANK            |
| Samp. Date/Time/Temp | 02/07/08 00:00am NA C |
| Receive Date         | 02/07/08              |
| Sampled by           | Customer Sampled      |
| Received Temp        | 4 C Iced (Y/N): Y     |

| OTHER CONTAMINANTS |                           | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | Analysis |       | DOH Lab Cert# |
|--------------------|---------------------------|-----|-------|-----------------|------|-------------------|---------|----------|-------|---------------|
| Cont. ID           | Contaminant Name          |     |       |                 |      |                   |         | Date     | Time  |               |
|                    | 2-CHLOROTOLUENE           | N/A | ug/l  | 0.15            | U    | 524.2             | 0.15    | 02/12/08 | 09:55 | E86240        |
| 2210               | CHLOROMETHANE             | N/A | ug/l  | 0.44            | U    | 524.2             | 0.44    | 02/12/08 | 09:55 | E86240        |
|                    | HEXACHLOROBUTADIENE       | N/A | ug/l  | 0.36            | U    | 524.2             | 0.36    | 02/12/08 | 09:55 | E86240        |
| 2412               | 1,3-DICHLOROPROPANE       | N/A | ug/l  | 0.20            | U    | 524.2             | 0.20    | 02/12/08 | 09:55 | E86240        |
|                    | N-BUTYLBENZENE            | N/A | ug/l  | 0.12            | U    | 524.2             | 0.12    | 02/12/08 | 09:55 | E86240        |
|                    | O-XYLENE                  | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08 | 09:55 | E86240        |
| 2967               | 1,3-DICHLOROBENZENE       | N/A | ug/l  | 0.17            | U    | 524.2             | 0.17    | 02/12/08 | 09:55 | E86240        |
| 2416               | 2,2-DICHLOROPROPANE       | N/A | ug/l  | 0.16            | U    | 524.2             | 0.16    | 02/12/08 | 09:55 | E86240        |
| 2988               | 1,1,2,2-TETRACHLOROETHANE | N/A | ug/l  | 0.35            | U    | 524.2             | 0.35    | 02/12/08 | 09:55 | E86240        |
| 2214               | BROMOMETHANE              | N/A | ug/l  | 0.23            | U    | 524.2             | 0.23    | 02/12/08 | 09:55 | E86240        |
|                    | M&P-XYLENES               | N/A | ug/l  | 0.31            | U    | 524.2             | 0.31    | 02/12/08 | 09:55 | E86240        |
| 2216               | CHLOROETHANE              | N/A | ug/l  | 0.30            | U    | 524.2             | 0.30    | 02/12/08 | 09:55 | E86240        |
| 2414               | 1,2,3-TRICHLOROPROPANE    | N/A | ug/l  | 0.22            | U    | 524.2             | 0.22    | 02/12/08 | 09:55 | E86240        |
|                    | TRANS-1,3-DICHLOROPROPENE | N/A | ug/l  | 0.23            | U    | 524.2             | 0.23    | 02/12/08 | 09:55 | E86240        |
|                    | BROMOCHLOROMETHANE        | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08 | 09:55 | E86240        |
|                    | N-PROPYLBENZENE           | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08 | 09:55 | E86240        |
| 2218               | TRICHLOROFLUOROMETHANE    | N/A | ug/l  | 0.11            | U    | 524.2             | 0.11    | 02/12/08 | 09:55 | E86240        |
| 2408               | DIBROMOMETHANE            | N/A | ug/l  | 0.41            | U    | 524.2             | 0.41    | 02/12/08 | 09:55 | E86240        |
| 2993               | BROMOBENZENE              | N/A | ug/l  | 0.19            | U    | 524.2             | 0.19    | 02/12/08 | 09:55 | E86240        |
|                    | P-ISOPROPYLTOLUENE        | N/A | ug/l  | 0.10            | U    | 524.2             | 0.10    | 02/12/08 | 09:55 | E86240        |
|                    | NAPHTHALENE               | N/A | ug/l  | 0.14            | U    | 524.2             | 0.14    | 02/12/08 | 09:55 | E86240        |

## ANALYTICAL RESULTS

Printed: 02/29/08 07:19pm

ATTN: CLIVE POWELL  
MIAMI-DADE WATER & SEWER

MIAMI-DADE WATER &amp; SEWER

Account No: 002446, MIAMI-DADE WATER & SEWER  
Project No: 002446, MIAMI-DADE WATER & SEWER

P.O. No: 36724

Inv. No: 207847

PWSID No:

Sample Number L246683-2  
Sample Description TRIP BLANK  
Samp. Date/Time/Temp 02/07/08 00:00am NA C  
Receive Date 02/07/08  
Sampled by Customer Sampled  
Received Temp 4 C Iced (Y/N): Y

| Cont. ID | Contaminant Name            | MCL | Units | Analysis Result | Qual | Analytical Method | Lab MDL | Analysis Date | Time  | DOH Lab Cert# |
|----------|-----------------------------|-----|-------|-----------------|------|-------------------|---------|---------------|-------|---------------|
| 2212     | DICHLORODIFLUOROMETHANE     | N/A | ug/l  | 0.44            | U    | 524.2             | 0.44    | 02/12/08      | 09:55 | E86240        |
|          | 1,3,5-TRIMETHYLBENZENE      | N/A | ug/l  | 0.070           | U    | 524.2             | 0.070   | 02/12/08      | 09:55 | E86240        |
|          | ISOPROPYLBENZENE            | N/A | ug/l  | 0.060           | U    | 524.2             | 0.060   | 02/12/08      | 09:55 | E86240        |
|          | METHYL TERTIARY BUTYL ETHER | N/A | ug/l  | 0.21            | U    | 524.2             | 0.21    | 02/12/08      | 09:55 | E86240        |
| 2410     | 1,1-DICHLOROPROPENE         | N/A | ug/l  | 0.28            | U    | 524.2             | 0.28    | 02/12/08      | 09:55 | E86240        |
|          | 1,2,4-TRIMETHYLBENZENE      | N/A | ug/l  | 0.070           | U    | 524.2             | 0.070   | 02/12/08      | 09:55 | E86240        |
| 2978     | 1,1-DICHLOROETHANE          | N/A | ug/l  | 0.11            | U    | 524.2             | 0.11    | 02/12/08      | 09:55 | E86240        |
|          | 1,2,3-TRICHLOROBENZENE      | N/A | ug/l  | 0.14            | U    | 524.2             | 0.14    | 02/12/08      | 09:55 | E86240        |
| 2986     | 1,1,1,2-TETRACHLOROETHANE   | N/A | ug/l  | 0.080           | U    | 524.2             | 0.080   | 02/12/08      | 09:55 | E86240        |
|          | CIS-1,3-DICHLOROPROPENE     | N/A | ug/l  | 0.13            | U    | 524.2             | 0.13    | 02/12/08      | 09:55 | E86240        |
|          | SEC-BUTYLBENZENE            | N/A | ug/l  | 0.090           | U    | 524.2             | 0.090   | 02/12/08      | 09:55 | E86240        |
| 2966     | 4-CHLOROTOLUENE             | N/A | ug/l  | 0.20            | U    | 524.2             | 0.20    | 02/12/08      | 09:55 | E86240        |
|          | T-BUTYLBENZENE              | N/A | ug/l  | 0.11            | U    | 524.2             | 0.11    | 02/12/08      | 09:55 | E86240        |



