



Miami-Dade Water and Sewer Department
P.O. Box 330316 • 3071 SW 38th Avenue
Miami, Florida 33233-0316
T 305-665-7471

April 11, 2011

Certified Mail: 7010 0290 0000 0693 2678 ^{miamidade.gov}
Return Receipt Requested
CNN: 55334

Mr. Joseph R. May, P.G.
UIC Program Manager
Florida Department of Environmental Protection
400 North Congress Avenue, Suite 200
West Palm Beach, Florida 33401

Subject: Annual Wastewater Stream Analysis South District Wastewater Treatment Plant
(SDWWTP), Permits 61787-022-UO and 61787-023-UC.

Dear Mr. May:

In accordance with FAC 528.450 and specific condition 3.i. of the referenced operation and construction permits, attached please find the 2011 sampling results for the annual wastewater stream analysis of primary, secondary drinking water standards, and minimum criteria.

Revision of the attached reports revealed that there are a few analytes missing. M-DWASD is in the process of obtaining the missing analytes from XENCO.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please contact me at (786) 552-8116 or Richard M. O'Rourke at (786) 552-8123, if there are any questions regarding this submittal.

Sincerely,

Vicente E. Arrebola, P.E.
Assistant Director, Wastewater System Operations

VEA/RMO/pt

cc: M. Hambor, FDEP/SED

Attachment: South District WWTP – 2011 Annual Wastewater Stream Analysis Sampling Results

Delivering Excellence Every Day
**MIAMI-DADE
COUNTY**

L11047FDEP-SD-AWA

Analytical Report 407305

for

Miami Dade Water & Sewer-South District

Project Manager: CLIVE POWELL

ANNUAL PRIORITY POLLUTANTS

31-MAR-11



Genapure™
Analytical Services, Inc.



3231 NW 7th Avenue, Boca Raton, FL 33431

Ph:(561) 447-7373 Fax:(561) 447-6136

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)



31-MAR-11

Project Manager: **CLIVE POWELL**
Miami Dade Water & Sewer-South District
8950 SW 232 Street
Miami, FL 33190

Reference: XENCO Report No: **407305**
ANNUAL PRIORITY POLLUTANTS
Project Address:

CLIVE POWELL:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 407305. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 407305 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Mike Kimmel

Office Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 407305

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|---------------------|--------|-----------------|--------------|---------------|
| SD-Plant 2 Influent | W | Feb-18-11 00:00 | | 407305-001 |
| SD-Plant 2 Influent | W | Feb-18-11 08:25 | | 407305-002 |



CASE NARRATIVE SUMMARY



Client Name: *Miami Dade Water & Sewer-South D*
Project Name: *ANNUAL PRIORITY POLLUTANTS*

Project ID:
Work Order Number: 407305

Report Date: 31-MAR-11
Date Received: 18-FEB-11

SD-Plant 2 Influent Dioxin Screen: by EPA 625 was negative for 2,3,7,8-TCDD.

Total Phenols will be recollected per client for Plant 2 Influent and re-submitted . EPA 420.1 was not analyzed on this work-order.

Batch 845273 608: % RPD between MS and MSD recoveries was outside method control limits for Aldrin and Heptachlor. Matrix Spike and Matrix Spike duplicate recoveries passed criteria.

Batch 845263 625: Spike recovery in the LCS and LCSD was outside method control criteria for Hexachlorocyclopentadiene, Hexachloroethane, 2-Nitroaniline. Target analytes were BDL. 3-4 Compounds are allowed to have spike recovery outside method control limits for full list 625 spike. Target analytes flagged with "J".

Mike Kimmel
Office Manager

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|---------------------------------------|--|---------------------------------------|
| Sample Id: SD-Plant 2 Influent | Matrix: Water | Date Received: Feb-18-11 18:02 |
| Lab Sample Id: 407305-001 | Date Collected: Feb-18-11 00:00 | |

| | |
|---|-----------------------------------|
| Analytical Method: ICP-AES Metals by EPA 200.7 | Prep Method: E200.7P |
| Tech: TEM | % Moisture: |
| Analyst: IST | Date Prep: Feb-21-11 15:00 |
| Seq Number: 845071 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|------------|------------|--------|------|------|-------|----------------|------|-----|
| Antimony | 7440-36-0 | U | 20.0 | 4.10 | ug/L | 02/23/11 01:19 | U | 1 |
| Beryllium | 7440-41-7 | U | 4.00 | 1.20 | ug/L | 02/23/11 01:19 | U | 1 |
| Cadmium | 7440-43-9 | U | 5.00 | 1.10 | ug/L | 02/23/11 01:19 | U | 1 |
| Chromium | 7440-47-3 | 3.33 | 10.0 | 2.60 | ug/L | 02/23/11 01:19 | I | 1 |
| Copper | 7440-50-8 | 34.1 | 20.0 | 3.40 | ug/L | 03/03/11 06:17 | | 1 |
| Molybdenum | 7439-98-7 | 5.84 | 10.0 | 2.40 | ug/L | 02/23/11 01:19 | I | 1 |
| Nickel | 7440-02-0 | 4.41 | 10.0 | 1.90 | ug/L | 02/23/11 01:19 | I | 1 |
| Selenium | 7782-49-2 | U | 30.0 | 6.70 | ug/L | 02/23/11 01:19 | U | 1 |
| Silver | 7440-22-4 | U | 20.0 | 5.40 | ug/L | 02/23/11 01:19 | U | 1 |
| Zinc | 7440-66-6 | 145 | 30.0 | 6.70 | ug/L | 02/23/11 01:19 | | 1 |

| | |
|--|-----------------------------------|
| Analytical Method: Mercury by EPA 245.1 | Prep Method: E245.1P |
| Tech: SOA | % Moisture: |
| Analyst: SOA | Date Prep: Feb-21-11 08:30 |
| Seq Number: 844534 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-------|--------|-------|----------------|------|-----|
| Mercury | 7439-97-6 | 0.139 | 0.200 | 0.0593 | ug/L | 02/21/11 14:23 | I | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|---------------------------------------|--|---------------------------------------|
| Sample Id: SD-Plant 2 Influent | Matrix: Water | Date Received: Feb-18-11 18:02 |
| Lab Sample Id: 407305-001 | Date Collected: Feb-18-11 00:00 | |

| | |
|---|-----------------------------------|
| Analytical Method: Organochlorine Pesticides and PCBs by EPA 608 | Prep Method: E608P |
| Tech: HEE | % Moisture: |
| Analyst: JGO | Date Prep: Feb-23-11 10:30 |
| Seq Number: 845273 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|---------------------|------------|--------|---------|----------|-------|----------------|------|-----|
| 4,4-DDD | 72-54-8 | U | 0.00500 | 0.00150 | ug/L | 02/24/11 20:29 | U | 1 |
| 4,4-DDE | 72-55-9 | U | 0.00500 | 0.000579 | ug/L | 02/24/11 20:29 | U | 1 |
| 4,4-DDT | 50-29-3 | U | 0.00500 | 0.000824 | ug/L | 02/24/11 20:29 | U | 1 |
| Aldrin | 309-00-2 | U | 0.00500 | 0.00170 | ug/L | 02/24/11 20:29 | UJ | 1 |
| Alpha-BHC | 319-84-6 | U | 0.00500 | 0.000636 | ug/L | 02/24/11 20:29 | U | 1 |
| Alpha-Chlordane | 5103-71-9 | U | 0.00500 | 0.000528 | ug/L | 02/24/11 20:29 | U | 1 |
| Beta-BHC | 319-85-7 | U | 0.00500 | 0.00130 | ug/L | 02/24/11 20:29 | U | 1 |
| Chlordane | 57-74-9 | U | 0.20 | 0.029 | ug/L | 02/24/11 20:29 | U | 1 |
| Delta-BHC | 319-86-8 | U | 0.00500 | 0.000760 | ug/L | 02/24/11 20:29 | U | 1 |
| Dieldrin | 60-57-1 | U | 0.00500 | 0.000586 | ug/L | 02/24/11 20:29 | U | 1 |
| Endosulfan I | 959-98-8 | U | 0.00500 | 0.000523 | ug/L | 02/24/11 20:29 | U | 1 |
| Endosulfan II | 33213-65-9 | U | 0.00500 | 0.000660 | ug/L | 02/24/11 20:29 | U | 1 |
| Endosulfan Sulfate | 1031-07-8 | U | 0.00500 | 0.000650 | ug/L | 02/24/11 20:29 | U | 1 |
| Endrin | 72-20-8 | U | 0.00500 | 0.000718 | ug/L | 02/24/11 20:29 | U | 1 |
| Endrin Aldehyde | 7421-93-4 | U | 0.00500 | 0.00109 | ug/L | 02/24/11 20:29 | U | 1 |
| Endrin Ketone | 53494-70-5 | U | 0.00500 | 0.000666 | ug/L | 02/24/11 20:29 | U | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 0.00500 | 0.00167 | ug/L | 02/24/11 20:29 | U | 1 |
| Gamma-Chlordane | 5566-34-7 | 4.26 | 0.0500 | 0.00559 | ug/L | 02/25/11 10:37 | | 10 |
| Heptachlor | 76-44-8 | U | 0.00500 | 0.000542 | ug/L | 02/24/11 20:29 | U | 1 |
| Heptachlor Epoxide | 1024-57-3 | U | 0.00500 | 0.000615 | ug/L | 02/24/11 20:29 | U | 1 |
| Methoxychlor | 72-43-5 | U | 0.00500 | 0.000869 | ug/L | 02/24/11 20:29 | U | 1 |
| Toxaphene | 8001-35-2 | U | 0.20 | 0.063 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB-1016 | 12674-11-2 | U | 0.500 | 0.110 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB-1221 | 11104-28-2 | U | 0.500 | 0.108 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB-1232 | 11141-16-5 | U | 0.500 | 0.107 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB-1242 | 53469-21-9 | U | 0.500 | 0.149 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB-1248 | 12672-29-6 | U | 0.500 | 0.101 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB-1254 | 11097-69-1 | U | 0.500 | 0.129 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB-1260 | 11096-82-5 | U | 0.500 | 0.120 | ug/L | 02/24/11 20:29 | U | 1 |
| PCB, Total | 1336-36-3 | U | | | ug/L | 02/24/11 20:29 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|---------------------------------------|--|---------------------------------------|
| Sample Id: SD-Plant 2 Influent | Matrix: Water | Date Received: Feb-18-11 18:02 |
| Lab Sample Id: 407305-001 | Date Collected: Feb-18-11 00:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: SVOCs by EPA 625 | Prep Method: E625P |
| Tech: HEA | % Moisture: |
| Analyst: BAT | Date Prep: Feb-23-11 12:30 |
| Seq Number: 845263 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|------------------------------|----------------|-------------|-------------|-------------|-------------|-----------------------|----------|----------|
| Acenaphthene | 83-32-9 | U | 4.00 | 0.249 | ug/L | 02/25/11 02:02 | U | 1 |
| Acenaphthylene | 208-96-8 | U | 4.00 | 0.255 | ug/L | 02/25/11 02:02 | U | 1 |
| Anthracene | 120-12-7 | U | 4.00 | 0.249 | ug/L | 02/25/11 02:02 | U | 1 |
| Benzidine | 92-87-5 | U | 10.0 | 9.74 | ug/L | 02/25/11 02:02 | U | 1 |
| Benzo(a)anthracene | 56-55-3 | U | 4.00 | 0.274 | ug/L | 02/25/11 02:02 | U | 1 |
| Benzo(a)pyrene | 50-32-8 | U | 4.00 | 0.305 | ug/L | 02/25/11 02:02 | U | 1 |
| Benzo(b)fluoranthene | 205-99-2 | U | 4.00 | 0.247 | ug/L | 02/25/11 02:02 | U | 1 |
| Benzo(k)fluoranthene | 207-08-9 | U | 4.00 | 0.385 | ug/L | 02/25/11 02:02 | U | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | U | 4.00 | 0.281 | ug/L | 02/25/11 02:02 | U | 1 |
| Benzyl Alcohol | 100-51-6 | 5.05 | 4.00 | 0.220 | ug/L | 02/25/11 02:02 | | 1 |
| Benzyl Butyl Phthalate | 85-68-7 | U | 10.0 | 0.356 | ug/L | 02/25/11 02:02 | U | 1 |
| bis(2-chloroethoxy) methane | 111-91-1 | U | 4.00 | 0.316 | ug/L | 02/25/11 02:02 | U | 1 |
| bis(2-chloroethyl) ether | 111-44-4 | U | 4.00 | 0.461 | ug/L | 02/25/11 02:02 | U | 1 |
| bis(2-chloroisopropyl) ether | 108-60-1 | U | 4.00 | 0.341 | ug/L | 02/25/11 02:02 | U | 1 |
| bis(2-ethylhexyl) phthalate | 117-81-7 | U | 4.00 | 0.201 | ug/L | 02/25/11 02:02 | U | 1 |
| 4-Bromophenyl-phenylether | 101-55-3 | U | 4.00 | 0.271 | ug/L | 02/25/11 02:02 | U | 1 |
| 4-chloro-3-methylphenol | 59-50-7 | U | 4.00 | 0.221 | ug/L | 02/25/11 02:02 | U | 1 |
| 2-Chlorophenol | 95-57-8 | U | 4.00 | 0.224 | ug/L | 02/25/11 02:02 | U | 1 |
| 4-Chlorophenyl Phenyl Ether | 7005-72-3 | U | 4.00 | 0.446 | ug/L | 02/25/11 02:02 | U | 1 |
| Chrysene | 218-01-9 | U | 4.00 | 0.276 | ug/L | 02/25/11 02:02 | U | 1 |
| Dibenz(a,h)Anthracene | 53-70-3 | U | 4.00 | 0.550 | ug/L | 02/25/11 02:02 | U | 1 |
| Dibenzofuran | 132-64-9 | U | 10.0 | 0.0848 | ug/L | 02/25/11 02:02 | U | 1 |
| di-n-Butyl Phthalate | 84-74-2 | U | 4.00 | 0.211 | ug/L | 02/25/11 02:02 | U | 1 |
| 2,4-Dichlorophenol | 120-83-2 | U | 4.00 | 0.432 | ug/L | 02/25/11 02:02 | U | 1 |
| Diethyl Phthalate | 84-66-2 | 5.17 | 10.0 | 0.328 | ug/L | 02/25/11 02:02 | I | 1 |
| Dimethyl Phthalate | 131-11-3 | U | 1.00 | 0.308 | ug/L | 02/25/11 02:02 | U | 1 |
| 2,4-Dimethylphenol | 105-67-9 | U | 4.00 | 0.396 | ug/L | 02/25/11 02:02 | U | 1 |
| 4,6-dinitro-2-methyl phenol | 534-52-1 | U | 10.0 | 0.353 | ug/L | 02/25/11 02:02 | U | 1 |
| 2,4-Dinitrophenol | 51-28-5 | U | 10.0 | 1.40 | ug/L | 02/25/11 02:02 | U | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | U | 4.00 | 0.312 | ug/L | 02/25/11 02:02 | U | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | U | 4.00 | 0.310 | ug/L | 02/25/11 02:02 | U | 1 |
| di-n-Octyl Phthalate | 117-84-0 | U | 1.00 | 0.278 | ug/L | 02/25/11 02:02 | U | 1 |
| 1,2-Diphenylhydrazine | 122-66-7 | U | 4.00 | 0.234 | ug/L | 02/25/11 02:02 | U | 1 |
| Fluoranthene | 206-44-0 | U | 4.00 | 0.201 | ug/L | 02/25/11 02:02 | U | 1 |
| Fluorene | 86-73-7 | U | 4.00 | 0.265 | ug/L | 02/25/11 02:02 | U | 1 |
| Hexachlorobenzene | 118-74-1 | U | 1.00 | 0.315 | ug/L | 02/25/11 02:02 | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 4.00 | 0.448 | ug/L | 02/25/11 02:02 | U | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | U | 4.00 | 0.741 | ug/L | 02/25/11 02:02 | UJ | 1 |
| Hexachloroethane | 67-72-1 | U | 2.00 | 0.362 | ug/L | 02/25/11 02:02 | UJ | 1 |
| Indeno(1,2,3-c,d)Pyrene | 193-39-5 | U | 4.00 | 0.259 | ug/L | 02/25/11 02:02 | U | 1 |

Project: Florida Standard List of Methods

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|---------------------------------------|--|---------------------------------------|
| Sample Id: SD-Plant 2 Influent | Matrix: Water | Date Received: Feb-18-11 18:02 |
| Lab Sample Id: 407305-001 | Date Collected: Feb-18-11 00:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: SVOCs by EPA 625 | Prep Method: E625P |
| Tech: HEA | % Moisture: |
| Analyst: BAT | Date Prep: Feb-23-11 12:30 |
| Seq Number: 845263 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|-----------------------------|------------|-------------|------|--------|-------|----------------|------|-----|
| Isophorone | 78-59-1 | U | 4.00 | 0.337 | ug/L | 02/25/11 02:02 | U | 1 |
| 1-Methylnaphthalene | 90-12-0 | U | 1.00 | 0.103 | ug/L | 02/25/11 02:02 | U | 1 |
| 2-Methylnaphthalene | 91-57-6 | U | 1.00 | 0.113 | ug/L | 02/25/11 02:02 | U | 1 |
| 2-methylphenol | 95-48-7 | U | 4.00 | 0.230 | ug/L | 02/25/11 02:02 | U | 1 |
| 3&4-Methylphenol | | 32.5 | 4.00 | 0.230 | ug/L | 02/25/11 02:02 | | 1 |
| Naphthalene | 91-20-3 | U | 4.00 | 0.338 | ug/L | 02/25/11 02:02 | U | 1 |
| 2-Nitroaniline | 88-74-4 | U | 50.0 | 0.0598 | ug/L | 02/25/11 02:02 | UJ | 1 |
| Nitrobenzene | 98-95-3 | U | 4.00 | 0.306 | ug/L | 02/25/11 02:02 | U | 1 |
| 2-Nitrophenol | 88-75-5 | U | 4.00 | 0.242 | ug/L | 02/25/11 02:02 | U | 1 |
| 4-Nitrophenol | 100-02-7 | U | 10.0 | 0.786 | ug/L | 02/25/11 02:02 | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 10.0 | 0.672 | ug/L | 02/25/11 02:02 | U | 1 |
| Phenanthrene | 85-01-8 | U | 4.00 | 0.288 | ug/L | 02/25/11 02:02 | U | 1 |
| Phenol | 108-95-2 | 8.40 | 1.00 | 0.405 | ug/L | 02/25/11 02:02 | | 1 |
| Pyrene | 129-00-0 | U | 4.00 | 0.468 | ug/L | 02/25/11 02:02 | U | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 4.00 | 0.225 | ug/L | 02/25/11 02:02 | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 4.00 | 0.380 | ug/L | 02/25/11 02:02 | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 1.00 | 0.274 | ug/L | 02/25/11 02:02 | U | 1 |
| N-Nitrosodimethylamine | 62-75-9 | U | 4.00 | 0.310 | ug/L | 02/25/11 02:02 | U | 1 |
| N-Nitrosodi-n-Propylamine | 621-64-7 | U | 4.00 | 0.100 | ug/L | 02/25/11 02:02 | U | 1 |
| N-Nitrosodiphenylamine | 86-30-6 | U | 4.00 | 0.100 | ug/L | 02/25/11 02:02 | U | 1 |

| | |
|--|-----------------------------------|
| Analytical Method: Metals per ICP/MS by EPA 200.8 | Prep Method: E200.8P |
| Tech: TEM | % Moisture: |
| Analyst: DAF | Date Prep: Feb-21-11 16:00 |
| Seq Number: 844789 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|-----------------|------------|--------------|------|-------|-------|----------------|------|-----|
| Arsenic | 7440-38-2 | 1.43 | 4.00 | 0.900 | ug/L | 02/22/11 18:05 | I | 1 |
| Lead | 7439-92-1 | 2.31 | 4.00 | 1.13 | ug/L | 02/22/11 18:05 | I | 1 |
| Thallium | 7440-28-0 | 0.290 | 2.00 | 0.131 | ug/L | 02/22/11 18:05 | VI | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|---------------------------------------|--|---------------------------------------|
| Sample Id: SD-Plant 2 Influent | Matrix: Water | Date Received: Feb-18-11 18:02 |
| Lab Sample Id: 407305-002 | Date Collected: Feb-18-11 08:25 | |

| | |
|---|-----------------------------------|
| Analytical Method: E624 Volatile | Prep Method: SW5030B |
| Tech: ROL | % Moisture: |
| Analyst: ROL | Date Prep: Feb-24-11 20:35 |
| Seq Number: 845297 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|----------------------------|------------|--------------|------|--------|-------|----------------|------|-----|
| 1,1,1-Trichloroethane | 71-55-6 | U | 1.00 | 0.113 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | U | 1.00 | 0.0509 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | U | 1.00 | 0.109 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,1-Dichloroethane | 75-34-3 | U | 1.00 | 0.711 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,1-Dichloroethene | 75-35-4 | U | 1.00 | 0.139 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 1.00 | 0.150 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,2-Dichloroethane | 107-06-2 | U | 1.00 | 0.121 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,2-Dichloropropane | 78-87-5 | U | 1.00 | 0.108 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | U | 1.00 | 0.215 | ug/L | 02/25/11 15:29 | U | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 3.01 | 1.00 | 0.104 | ug/L | 02/25/11 15:29 | | 1 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | U | 1.00 | 0.0613 | ug/L | 02/25/11 15:29 | U | 1 |
| Acrolein | 107-02-8 | U | 10.0 | 2.37 | ug/L | 02/25/11 15:29 | U | 1 |
| Acrylonitrile | 107-13-1 | U | 2.00 | 0.408 | ug/L | 02/25/11 15:29 | U | 1 |
| Benzene | 71-43-2 | U | 1.00 | 0.249 | ug/L | 02/25/11 15:29 | U | 1 |
| Bromodichloromethane | 75-27-4 | U | 1.00 | 0.0764 | ug/L | 02/25/11 15:29 | U | 1 |
| Bromoform | 75-25-2 | U | 1.00 | 0.146 | ug/L | 02/25/11 15:29 | U | 1 |
| Methyl bromide | 74-83-9 | U | 1.00 | 0.183 | ug/L | 02/25/11 15:29 | U | 1 |
| Carbon Tetrachloride | 56-23-5 | U | 1.00 | 0.228 | ug/L | 02/25/11 15:29 | U | 1 |
| Chlorobenzene | 108-90-7 | U | 1.00 | 0.176 | ug/L | 02/25/11 15:29 | U | 1 |
| Chloroethane | 75-00-3 | U | 1.00 | 0.217 | ug/L | 02/25/11 15:29 | U | 1 |
| Chloroform | 67-66-3 | 0.484 | 1.00 | 0.122 | ug/L | 02/25/11 15:29 | I | 1 |
| Methyl Chloride | 74-87-3 | U | 1.00 | 0.352 | ug/L | 02/25/11 15:29 | U | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | U | 1.00 | 0.152 | ug/L | 02/25/11 15:29 | U | 1 |
| Dibromochloromethane | 124-48-1 | U | 1.00 | 0.0586 | ug/L | 02/25/11 15:29 | U | 1 |
| Ethylbenzene | 100-41-4 | 0.574 | 1.00 | 0.210 | ug/L | 02/25/11 15:29 | I | 1 |
| Methylene Chloride | 75-09-2 | U | 5.00 | 1.27 | ug/L | 02/25/11 15:29 | U | 1 |
| Tetrachloroethylene | 127-18-4 | 0.791 | 1.00 | 0.0977 | ug/L | 02/25/11 15:29 | I | 1 |
| Toluene | 108-88-3 | 6.41 | 1.00 | 0.201 | ug/L | 02/25/11 15:29 | | 1 |
| trans-1,2-dichloroethylene | 156-60-5 | U | 1.00 | 0.128 | ug/L | 02/25/11 15:29 | U | 1 |
| trans-1,3-dichloropropene | 10061-02-6 | U | 1.00 | 0.0536 | ug/L | 02/25/11 15:29 | U | 1 |
| Trichloroethylene | 79-01-6 | U | 1.00 | 0.357 | ug/L | 02/25/11 15:29 | U | 1 |
| Trichlorofluoromethane | 75-69-4 | U | 1.00 | 0.120 | ug/L | 02/25/11 15:29 | U | 1 |
| Vinyl Chloride | 75-01-4 | U | 1.00 | 0.192 | ug/L | 02/25/11 15:29 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | | |
|---|-------------------|--|------------|---------------------------------------|--------------|----------------------|-------------|------------|
| Sample Id: SD-Plant 2 Influent | | Matrix: Water | | Date Received: Feb-18-11 18:02 | | | | |
| Lab Sample Id: 407305-002 | | Date Collected: Feb-18-11 08:25 | | | | | | |
| Analytical Method: Oil and Grease by EPA 1664A | | | | Prep Method: E1664A_PREP | | | | |
| Tech: LER | | | | % Moisture: | | | | |
| Analyst: TJH | | Date Prep: Feb-22-11 13:58 | | | | | | |
| Seq Number: 844928 | | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
| Oil & Grease, HEM | | 16.8 | 4.00 | 1.43 | mg/L | 02/23/11 16:00 | | 1 |

FLORIDA Flagging Criteria

- A** Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.
- B** Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.
- F** When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.
- H** Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.
- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J** Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .

J1: No known quality control criteria exist for the component;

J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);

J3: The sample matrix interfered with the ability to make any accurate determination;

J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).

J5: The field calibration verification did not meet calibration acceptance criteria.

J6: QC protocol not followed.

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2505 N. Falkenburg Rd., Tampa, FL 33619
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| Phone | Fax |
|----------------|----------------|
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| (972) 481-9999 | (972) 481-9998 |
| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

- K** Off-scale low. Actual value is known to be less than the value given. This code shall be used if:
1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or
 2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.
- L** Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- M** When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.
- N** Presumptive evidence of presence of material. This qualifier shall be used if:
1. The component has been tentatively identified based on mass spectral library search; or
 2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).
- O** Sampled, but analysis lost or not performed.
- Q** Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Indicates that the compound was analyzed for but not detected. This symbol shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).
- V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

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- Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z** Too many colonies were present for accurate counting. Historically, this condition has been reported as "too numerous to count" (TNTC). The "Z" qualifier code shall be reported when the total number of colonies of all types is more than 200 in all dilutions of the sample. When applicable to the observed test results, a numeric value for the colony count for the microorganism tested shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
- ?** Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
- * Not reported due to interference.

The following codes deal with certain aspects of field activities. The codes shall be used if the laboratory has knowledge of the specific sampling event. The codes shall be added by the organization collecting samples if they apply:

- D** The sample result was reported from a dilution.
- E** Indicates that extra samples were taken at composite stations.
- R** Significant rain in the past 48 hours. (Significant rain typically involves rain in excess of 1/2 inch within the past 48 hours.) This code shall be used when the rainfall might contribute to a lower than normal value.
- !** Data deviate from historically established concentration ranges.
- +** Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407305,

Project ID:

Lab Batch #: 845273

Sample: 596100-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 01:43

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.0710 | 0.100 | 71 | 25-165 | |
| Tetrachloro-m-xylene | 0.0590 | 0.100 | 59 | 32-137 | |

Lab Batch #: 845273

Sample: 596100-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 02:22

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.070 | 0.100 | 70 | 25-165 | |
| Tetrachloro-m-xylene | 0.059 | 0.100 | 59 | 32-137 | |

Lab Batch #: 845273

Sample: 596100-1-BSD / BSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 02:42

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.066 | 0.100 | 66 | 25-165 | |
| Tetrachloro-m-xylene | 0.053 | 0.100 | 53 | 32-137 | |

Lab Batch #: 845273

Sample: 407305-001 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 20:29

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.0626 | 0.100 | 63 | 25-165 | |
| Tetrachloro-m-xylene | 0.114 | 0.100 | 114 | 32-137 | |

Lab Batch #: 845273

Sample: 407305-001 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 10:37

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.0555 | 0.100 | 56 | 25-165 | |
| Tetrachloro-m-xylene | 0.142 | 0.100 | 142 | 32-137 | J |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407305,

Lab Batch #: 845263

Sample: 596099-1-BLK / BLK

Project ID:

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 00:35

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 2-Fluorobiphenyl | 33.2 | 50.0 | 66 | 40-112 | |
| 2-Fluorophenol | 40.6 | 100 | 41 | 24-64 | |
| Nitrobenzene-d5 | 36.5 | 50.0 | 73 | 39-117 | |
| Terphenyl-D14 | 38.6 | 50.0 | 77 | 31-146 | |
| 2,4,6-Tribromophenol | 79.4 | 100 | 79 | 52-121 | |
| Phenol-d6 | 26.8 | 100 | 27 | 14-48 | |

Lab Batch #: 845263

Sample: 596099-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 00:33

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 2-Fluorobiphenyl | 33.9 | 50.0 | 68 | 40-112 | |
| 2-Fluorophenol | 43.4 | 100 | 43 | 24-64 | |
| Nitrobenzene-d5 | 40.2 | 50.0 | 80 | 39-117 | |
| Terphenyl-D14 | 39.5 | 50.0 | 79 | 31-146 | |
| 2,4,6-Tribromophenol | 87.7 | 100 | 88 | 52-121 | |
| Phenol-d6 | 30.8 | 100 | 31 | 14-48 | |

Lab Batch #: 845263

Sample: 596099-1-BSD / BSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 01:10

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 2-Fluorobiphenyl | 32.3 | 50.0 | 65 | 40-112 | |
| 2-Fluorophenol | 40.6 | 100 | 41 | 24-64 | |
| Nitrobenzene-d5 | 39.0 | 50.0 | 78 | 39-117 | |
| Terphenyl-D14 | 40.5 | 50.0 | 81 | 31-146 | |
| 2,4,6-Tribromophenol | 90.2 | 100 | 90 | 52-121 | |
| Phenol-d6 | 28.6 | 100 | 29 | 14-48 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407305,

Project ID:

Lab Batch #: 845263

Sample: 407305-001 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 02:02

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 31.7 | 50.0 | 63 | 40-112 | |
| 2-Fluorophenol | 30.6 | 100 | 31 | 24-64 | |
| Nitrobenzene-d5 | 31.3 | 50.0 | 63 | 39-117 | |
| Terphenyl-D14 | 36.7 | 50.0 | 73 | 31-146 | |
| 2,4,6-Tribromophenol | 77.8 | 100 | 78 | 52-121 | |
| Phenol-d6 | 22.6 | 100 | 23 | 14-48 | |

Lab Batch #: 845297

Sample: 596550-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 01:47

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 4-Bromofluorobenzene | 30 | 30 | 99 | 80-121 | |
| Dibromofluoromethane | 30 | 30 | 100 | 87-118 | |
| Toluene-D8 | 26 | 30 | 87 | 87-111 | |

Lab Batch #: 845297

Sample: 596550-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 03:48

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 4-Bromofluorobenzene | 30 | 30 | 99 | 80-121 | |
| Dibromofluoromethane | 30 | 30 | 100 | 87-118 | |
| Toluene-D8 | 29 | 30 | 96 | 87-111 | |

Lab Batch #: 845297

Sample: 407305-002 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 15:29

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 4-Bromofluorobenzene | 25 | 30 | 83 | 80-121 | |
| Dibromofluoromethane | 27 | 30 | 90 | 87-118 | |
| Toluene-D8 | 30 | 30 | 100 | 87-111 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407305,

Project ID:

Lab Batch #: 845297

Sample: 407563-001 S / MS

Batch: 1 Matrix: Ground Water

Units: ug/L

Date Analyzed: 02/25/11 16:17

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------|
| 4-Bromofluorobenzene | 28 | 30 | 94 | 80-121 | |
| Dibromofluoromethane | 30 | 30 | 99 | 87-118 | |
| Toluene-D8 | 30 | 30 | 99 | 87-111 | |

Lab Batch #: 845297

Sample: 407563-001 SD / MSD

Batch: 1 Matrix: Ground Water

Units: ug/L

Date Analyzed: 02/25/11 16:41

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------|
| 4-Bromofluorobenzene | 28 | 30 | 92 | 80-121 | |
| Dibromofluoromethane | 29 | 30 | 98 | 87-118 | |
| Toluene-D8 | 29 | 30 | 97 | 87-111 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | |
|------------------------------------|----------------------|
| Sample Id: 596041-1-BLK | Matrix: WATER |
| Lab Sample Id: 596041-1-BLK | |

| | | | | | | | |
|---|------------|--------------------|-------|----------------------------|----------------------|-----------|-----|
| Analytical Method: Mercury by EPA 245.1 | | | | | Prep Method: E245.1P | | |
| Date Analyzed: Feb-21-11 13:51 | | Analyst: SOA | | Date Prep: Feb-21-11 08:30 | | Tech: SOA | |
| | | Seq Number: 844534 | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Mercury | 7439-97-6 | U | 0.200 | 0.0593 | ug/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|--|------------|---------------|------|----------------------------|-------|-----------|-----|
| Sample Id: 596090-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596090-1-BLK | | | | | | | |
| Analytical Method: ICP-AES Metals by EPA 200.7 | | | | Prep Method: E200.7P | | | |
| Date Analyzed: Feb-22-11 20:26 | | Analyst: IST | | Date Prep: Feb-21-11 15:00 | | Tech: TEM | |
| Seq Number: 845071 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Antimony | 7440-36-0 | U | 20.0 | 4.10 | ug/L | U | 1 |
| Beryllium | 7440-41-7 | U | 4.00 | 1.20 | ug/L | U | 1 |
| Cadmium | 7440-43-9 | U | 5.00 | 1.10 | ug/L | U | 1 |
| Chromium | 7440-47-3 | U | 10.0 | 2.60 | ug/L | U | 1 |
| Molybdenum | 7439-98-7 | U | 10.0 | 2.40 | ug/L | U | 1 |
| Nickel | 7440-02-0 | U | 10.0 | 1.90 | ug/L | U | 1 |
| Selenium | 7782-49-2 | U | 30.0 | 6.70 | ug/L | U | 1 |
| Silver | 7440-22-4 | U | 20.0 | 5.40 | ug/L | U | 1 |
| Zinc | 7440-66-6 | U | 30.0 | 6.70 | ug/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|---|------------|---------------|------|----------------------------|----------------------|-----------|-----|
| Sample Id: 596092-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596092-1-BLK | | | | | | | |
| Analytical Method: Metals per ICP/MS by EPA 200.8 | | | | | Prep Method: E200.8P | | |
| Date Analyzed: Feb-22-11 14:41 | | Analyst: DAF | | Date Prep: Feb-21-11 16:00 | | Tech: TEM | |
| Seq Number: 844789 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Arsenic | 7440-38-2 | U | 4.00 | 0.900 | ug/L | U | 1 |
| Lead | 7439-92-1 | U | 4.00 | 1.13 | ug/L | U | 1 |
| Thallium | 7440-28-0 | 0.390 | 2.00 | 0.131 | ug/L | I | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
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Sample Id: 596099-1-BLK

Matrix: WATER

Lab Sample Id: 596099-1-BLK

Analytical Method: SVOCs by EPA 625

Prep Method: B625P

Date Analyzed: Feb-25-11 00:35

Analyst: BAT

Date Prep: Feb-23-11 12:30

Tech: HEA

Seq Number: 845263

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|------------------------------|------------|--------|------|--------|-------|------|-----|
| Acenaphthene | 83-32-9 | U | 4.00 | 0.249 | ug/L | U | 1 |
| Acenaphthylene | 208-96-8 | U | 4.00 | 0.255 | ug/L | U | 1 |
| Anthracene | 120-12-7 | U | 4.00 | 0.249 | ug/L | U | 1 |
| Benzidine | 92-87-5 | U | 10.0 | 9.74 | ug/L | U | 1 |
| Benzo(a)anthracene | 56-55-3 | U | 4.00 | 0.274 | ug/L | U | 1 |
| Benzo(a)pyrene | 50-32-8 | U | 4.00 | 0.305 | ug/L | U | 1 |
| Benzo(b)fluoranthene | 205-99-2 | U | 4.00 | 0.247 | ug/L | U | 1 |
| Benzo(k)fluoranthene | 207-08-9 | U | 4.00 | 0.385 | ug/L | U | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | U | 4.00 | 0.281 | ug/L | U | 1 |
| Benzyl Alcohol | 100-51-6 | U | 4.00 | 0.220 | ug/L | U | 1 |
| Benzyl Butyl Phthalate | 85-68-7 | U | 10.0 | 0.356 | ug/L | U | 1 |
| bis(2-chloroethoxy) methane | 111-91-1 | U | 4.00 | 0.316 | ug/L | U | 1 |
| bis(2-chloroethyl) ether | 111-44-4 | U | 4.00 | 0.461 | ug/L | U | 1 |
| bis(2-chloroisopropyl) ether | 108-60-1 | U | 4.00 | 0.341 | ug/L | U | 1 |
| bis(2-ethylhexyl) phthalate | 117-81-7 | U | 4.00 | 0.201 | ug/L | U | 1 |
| 4-Bromophenyl-phenylether | 101-55-3 | U | 4.00 | 0.271 | ug/L | U | 1 |
| 4-chloro-3-methylphenol | 59-50-7 | U | 4.00 | 0.221 | ug/L | U | 1 |
| 2-Chlorophenol | 95-57-8 | U | 4.00 | 0.224 | ug/L | U | 1 |
| 4-Chlorophenyl Phenyl Ether | 7005-72-3 | U | 4.00 | 0.446 | ug/L | U | 1 |
| Chrysene | 218-01-9 | U | 4.00 | 0.276 | ug/L | U | 1 |
| Dibenz(a,h)Anthracene | 53-70-3 | U | 4.00 | 0.550 | ug/L | U | 1 |
| Dibenzofuran | 132-64-9 | U | 10.0 | 0.0848 | ug/L | U | 1 |
| di-n-Butyl Phthalate | 84-74-2 | U | 4.00 | 0.211 | ug/L | U | 1 |
| 2,4-Dichlorophenol | 120-83-2 | U | 4.00 | 0.432 | ug/L | U | 1 |
| Diethyl Phthalate | 84-66-2 | U | 10.0 | 0.328 | ug/L | U | 1 |
| Dimethyl Phthalate | 131-11-3 | U | 1.00 | 0.308 | ug/L | U | 1 |
| 2,4-Dimethylphenol | 105-67-9 | U | 4.00 | 0.396 | ug/L | U | 1 |
| 4,6-dinitro-2-methyl phenol | 534-52-1 | U | 10.0 | 0.353 | ug/L | U | 1 |
| 2,4-Dinitrophenol | 51-28-5 | U | 10.0 | 1.40 | ug/L | U | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | U | 4.00 | 0.312 | ug/L | U | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | U | 4.00 | 0.310 | ug/L | U | 1 |
| di-n-Octyl Phthalate | 117-84-0 | U | 1.00 | 0.278 | ug/L | U | 1 |
| 1,2-Diphenylhydrazine | 122-66-7 | U | 4.00 | 0.234 | ug/L | U | 1 |
| Fluoranthene | 206-44-0 | U | 4.00 | 0.201 | ug/L | U | 1 |
| Fluorene | 86-73-7 | U | 4.00 | 0.265 | ug/L | U | 1 |
| Hexachlorobenzene | 118-74-1 | U | 1.00 | 0.315 | ug/L | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 4.00 | 0.448 | ug/L | U | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | U | 4.00 | 0.741 | ug/L | U | 1 |
| Hexachloroethane | 67-72-1 | U | 2.00 | 0.362 | ug/L | U | 1 |
| Indeno(1,2,3-c,d)Pyrene | 193-39-5 | U | 4.00 | 0.259 | ug/L | U | 1 |
| Isophorone | 78-59-1 | U | 4.00 | 0.337 | ug/L | U | 1 |
| 1-Methylnaphthalene | 90-12-0 | U | 1.00 | 0.103 | ug/L | U | 1 |

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Sample Id: **596099-1-BLK**
Lab Sample Id: **596099-1-BLK**

Matrix: **WATER**

Analytical Method: **SVOCs by EPA 625**

Prep Method: **E625P**

Date Analyzed: Feb-25-11 00:35

Analyst: **BAT**

Date Prep: Feb-23-11 12:30

Tech: **HEA**

Seq Number: 845263

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|---------------------------|------------|--------|------|--------|-------|------|-----|
| 2-Methylnaphthalene | 91-57-6 | U | 1.00 | 0.113 | ug/L | U | 1 |
| 2-methylphenol | 95-48-7 | U | 4.00 | 0.230 | ug/L | U | 1 |
| 3&4-Methylphenol | | U | 4.00 | 0.230 | ug/L | U | 1 |
| Naphthalene | 91-20-3 | U | 4.00 | 0.338 | ug/L | U | 1 |
| 2-Nitroaniline | 88-74-4 | U | 50.0 | 0.0598 | ug/L | U | 1 |
| Nitrobenzene | 98-95-3 | U | 4.00 | 0.306 | ug/L | U | 1 |
| 2-Nitrophenol | 88-75-5 | U | 4.00 | 0.242 | ug/L | U | 1 |
| 4-Nitrophenol | 100-02-7 | U | 10.0 | 0.786 | ug/L | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 10.0 | 0.672 | ug/L | U | 1 |
| Phenanthrene | 85-01-8 | U | 4.00 | 0.288 | ug/L | U | 1 |
| Phenol | 108-95-2 | U | 1.00 | 0.405 | ug/L | U | 1 |
| Pyrene | 129-00-0 | U | 4.00 | 0.468 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 4.00 | 0.225 | ug/L | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 4.00 | 0.380 | ug/L | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 1.00 | 0.274 | ug/L | U | 1 |
| N-Nitrosodimethylamine | 62-75-9 | U | 4.00 | 0.310 | ug/L | U | 1 |
| N-Nitrosodi-n-Propylamine | 621-64-7 | U | 4.00 | 0.100 | ug/L | U | 1 |
| N-Nitrosodiphenylamine | 86-30-6 | U | 4.00 | 0.100 | ug/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | |
|-----------------------------|---------------|
| Sample Id: 596100-1-BLK | Matrix: WATER |
| Lab Sample Id: 596100-1-BLK | |

| Analytical Method: Organochlorine Pesticides and PCBs by EPA 608 | | | | Prep Method: E608P | | | |
|--|------------|--------------|---------|----------------------------|-------|-----------|-----|
| Date Analyzed: Feb-24-11 01:43 | | Analyst: JGO | | Date Prep: Feb-23-11 10:30 | | Tech: HEE | |
| Seq Number: 845273 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| 4,4-DDD | 72-54-8 | U | 0.00500 | 0.00150 | ug/L | U | 1 |
| 4,4-DDE | 72-55-9 | U | 0.00500 | 0.000579 | ug/L | U | 1 |
| 4,4-DDT | 50-29-3 | U | 0.00500 | 0.000824 | ug/L | U | 1 |
| Aldrin | 309-00-2 | U | 0.00500 | 0.00170 | ug/L | U | 1 |
| Alpha-BHC | 319-84-6 | U | 0.00500 | 0.000636 | ug/L | U | 1 |
| Beta-BHC | 319-85-7 | U | 0.00500 | 0.00130 | ug/L | U | 1 |
| Chlordane | 57-74-9 | U | 0.20 | 0.029 | ug/L | U | 1 |
| Delta-BHC | 319-86-8 | U | 0.00500 | 0.000760 | ug/L | U | 1 |
| Dieldrin | 60-57-1 | U | 0.00500 | 0.000586 | ug/L | U | 1 |
| Endosulfan I | 959-98-8 | U | 0.00500 | 0.000523 | ug/L | U | 1 |
| Endosulfan II | 33213-65-9 | U | 0.00500 | 0.000660 | ug/L | U | 1 |
| Endosulfan Sulfate | 1031-07-8 | U | 0.00500 | 0.000650 | ug/L | U | 1 |
| Endrin | 72-20-8 | U | 0.00500 | 0.000718 | ug/L | U | 1 |
| Endrin Aldehyde | 7421-93-4 | U | 0.00500 | 0.00109 | ug/L | U | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 0.00500 | 0.00167 | ug/L | U | 1 |
| Heptachlor | 76-44-8 | U | 0.00500 | 0.000542 | ug/L | U | 1 |
| Heptachlor Epoxide | 1024-57-3 | U | 0.00500 | 0.000615 | ug/L | U | 1 |
| Methoxychlor | 72-43-5 | U | 0.00500 | 0.000869 | ug/L | U | 1 |
| Toxaphene | 8001-35-2 | U | 0.20 | 0.063 | ug/L | U | 1 |
| PCB-1016 | 12674-11-2 | U | 0.500 | 0.110 | ug/L | U | 1 |
| PCB-1221 | 11104-28-2 | U | 0.500 | 0.108 | ug/L | U | 1 |
| PCB-1232 | 11141-16-5 | U | 0.500 | 0.107 | ug/L | U | 1 |
| PCB-1242 | 53469-21-9 | U | 0.500 | 0.149 | ug/L | U | 1 |
| PCB-1248 | 12672-29-6 | U | 0.500 | 0.101 | ug/L | U | 1 |
| PCB-1254 | 11097-69-1 | U | 0.500 | 0.129 | ug/L | U | 1 |
| PCB-1260 | 11096-82-5 | U | 0.500 | 0.120 | ug/L | U | 1 |

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| | | | | | | | |
|--|------------|---------------|------|----------------------------|-------|-----------|-----|
| Sample Id: 596109-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596109-1-BLK | | | | | | | |
| Analytical Method: Oil and Grease by EPA 1664A | | | | Prep Method: E1664A_PREP | | | |
| Date Analyzed: Feb-23-11 16:00 | | Analyst: TJH | | Date Prep: Feb-22-11 13:58 | | Tech: LER | |
| Seq Number: 844928 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Oil & Grease, HEM | | U | 4.00 | 1.43 | mg/L | U | 1 |

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| | | | | | | | |
|--|------------|----------------------|----------------------------|------|-------|------|-----|
| Sample Id: 596514-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596514-1-BLK | | | | | | | |
| Analytical Method: ICP-AES Metals by EPA 200.7 | | Prep Method: E200.7P | | | | | |
| Date Analyzed: Mar-03-11 05:29 | | Analyst: IST | Date Prep: Feb-25-11 07:00 | | | | |
| Seq Number: 846796 | | Tech: RWA | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Antimony | 7440-36-0 | U | 20.0 | 4.10 | ug/L | U | 1 |
| Beryllium | 7440-41-7 | U | 4.00 | 1.20 | ug/L | U | 1 |
| Cadmium | 7440-43-9 | U | 5.00 | 1.10 | ug/L | U | 1 |
| Chromium | 7440-47-3 | U | 10.0 | 2.60 | ug/L | U | 1 |
| Copper | 7440-50-8 | U | 20.0 | 3.40 | ug/L | U | 1 |
| Molybdenum | 7439-98-7 | U | 10.0 | 2.40 | ug/L | U | 1 |
| Nickel | 7440-02-0 | U | 10.0 | 1.90 | ug/L | U | 1 |
| Selenium | 7782-49-2 | U | 30.0 | 6.70 | ug/L | U | 1 |
| Silver | 7440-22-4 | U | 20.0 | 5.40 | ug/L | U | 1 |
| Zinc | 7440-66-6 | U | 30.0 | 6.70 | ug/L | U | 1 |

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| | |
|------------------------------------|----------------------|
| Sample Id: 596550-1-BLK | Matrix: WATER |
| Lab Sample Id: 596550-1-BLK | |

| Analytical Method: E624 Volatile | | | Prep Method: SW5030B | | | | |
|----------------------------------|------------|--------------|----------------------------|--------|-----------|------|-----|
| Date Analyzed: Feb-25-11 03:48 | | Analyst: ROL | Date Prep: Feb-24-11 20:35 | | Tech: ROL | | |
| Seq Number: 845297 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| 1,1,1-Trichloroethane | 71-55-6 | U | 1.00 | 0.113 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | U | 1.00 | 0.0509 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | U | 1.00 | 0.109 | ug/L | U | 1 |
| 1,1-Dichloroethane | 75-34-3 | U | 1.00 | 0.711 | ug/L | U | 1 |
| 1,1-Dichloroethene | 75-35-4 | U | 1.00 | 0.139 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 1.00 | 0.150 | ug/L | U | 1 |
| 1,2-Dichloroethane | 107-06-2 | U | 1.00 | 0.121 | ug/L | U | 1 |
| 1,2-Dichloropropane | 78-87-5 | U | 1.00 | 0.108 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | U | 1.00 | 0.215 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | U | 1.00 | 0.104 | ug/L | U | 1 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | U | 1.00 | 0.0613 | ug/L | U | 1 |
| Acrolein | 107-02-8 | U | 10.0 | 2.37 | ug/L | U | 1 |
| Acrylonitrile | 107-13-1 | U | 2.00 | 0.408 | ug/L | U | 1 |
| Benzene | 71-43-2 | U | 1.00 | 0.249 | ug/L | U | 1 |
| Bromodichloromethane | 75-27-4 | U | 1.00 | 0.0764 | ug/L | U | 1 |
| Bromoform | 75-25-2 | U | 1.00 | 0.146 | ug/L | U | 1 |
| Methyl bromide | 74-83-9 | U | 1.00 | 0.183 | ug/L | U | 1 |
| Carbon Tetrachloride | 56-23-5 | U | 1.00 | 0.228 | ug/L | U | 1 |
| Chlorobenzene | 108-90-7 | U | 1.00 | 0.176 | ug/L | U | 1 |
| Chloroethane | 75-00-3 | U | 1.00 | 0.217 | ug/L | U | 1 |
| Chloroform | 67-66-3 | U | 1.00 | 0.122 | ug/L | U | 1 |
| Methyl Chloride | 74-87-3 | U | 1.00 | 0.352 | ug/L | U | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | U | 1.00 | 0.152 | ug/L | U | 1 |
| Dibromochloromethane | 124-48-1 | U | 1.00 | 0.0586 | ug/L | U | 1 |
| Ethylbenzene | 100-41-4 | U | 1.00 | 0.210 | ug/L | U | 1 |
| Methylene Chloride | 75-09-2 | U | 5.00 | 1.27 | ug/L | U | 1 |
| Tetrachloroethylene | 127-18-4 | U | 1.00 | 0.0977 | ug/L | U | 1 |
| Toluene | 108-88-3 | U | 1.00 | 0.201 | ug/L | U | 1 |
| trans-1,2-dichloroethylene | 156-60-5 | U | 1.00 | 0.128 | ug/L | U | 1 |
| trans-1,3-dichloropropene | 10061-02-6 | U | 1.00 | 0.0536 | ug/L | U | 1 |
| Trichloroethylene | 79-01-6 | U | 1.00 | 0.357 | ug/L | U | 1 |
| Trichlorofluoromethane | 75-69-4 | U | 1.00 | 0.120 | ug/L | U | 1 |
| Vinyl Chloride | 75-01-4 | U | 1.00 | 0.192 | ug/L | U | 1 |

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Analytical Method: E624 Volatile

Seq Number: 845297

MB Sample Id: 596550-1-BLK

Matrix: Water

LCS Sample Id: 596550-1-BKS

Prep Method: SW5030B

Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|--------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| 1,1-Dichloroethene | <0.139 | 20 | 19.4 | 97 | 10-234 | ug/L | 02/25/11 01:47 | |
| Benzene | <0.249 | 20 | 18.5 | 93 | 37-151 | ug/L | 02/25/11 01:47 | |
| Chlorobenzene | <0.176 | 20 | 17.2 | 86 | 37-160 | ug/L | 02/25/11 01:47 | |
| Toluene | <0.201 | 20 | 14.3 | 72 | 47-150 | ug/L | 02/25/11 01:47 | |
| Trichloroethylene | <0.357 | 20 | 16.9 | 85 | 71-157 | ug/L | 02/25/11 01:47 | |

Analytical Method: E624 Volatile

Seq Number: 845297

Parent Sample Id: 407563-001

Matrix: Ground Water

MS Sample Id: 407563-001 S

Prep Method: SW5030B

Date Prep: 02/24/2011

MSD Sample Id: 407563-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| 1,1-Dichloroethene | <0.139 | 20 | 23.0 | 115 | 24.7 | 124 | 10-234 | 7 | 20 | ug/L | 02/25/11 16:17 | |
| Benzene | <0.249 | 20 | 19.2 | 96 | 19.7 | 99 | 37-151 | 3 | 20 | ug/L | 02/25/11 16:17 | |
| Chlorobenzene | <0.176 | 20 | 17.9 | 90 | 18.5 | 93 | 37-160 | 3 | 20 | ug/L | 02/25/11 16:17 | |
| Toluene | <0.201 | 20 | 17.1 | 86 | 17.8 | 89 | 47-150 | 4 | 20 | ug/L | 02/25/11 16:17 | |
| Trichloroethylene | <0.357 | 20 | 17.9 | 90 | 18.3 | 92 | 71-157 | 2 | 20 | ug/L | 02/25/11 16:17 | |

Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 846796

MB Sample Id: 596514-1-BLK

Matrix: Water

LCS Sample Id: 596514-1-BKS

Prep Method: E200.7P

Date Prep: 02/25/2011

LCSD Sample Id: 596514-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Antimony | <4.10 | 1000 | 932 | 93 | 935 | 94 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Beryllium | <1.20 | 1000 | 1020 | 102 | 1020 | 102 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Cadmium | <1.10 | 1000 | 954 | 95 | 955 | 96 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Chromium | <2.60 | 1000 | 905 | 91 | 902 | 90 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Copper | <3.40 | 1000 | 919 | 92 | 918 | 92 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Molybdenum | <2.40 | 1000 | 845 | 85 | 850 | 85 | 70-130 | 1 | 20 | ug/L | 03/03/11 05:35 | |
| Nickel | <1.90 | 1000 | 925 | 93 | 922 | 92 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Selenium | <6.70 | 1000 | 909 | 91 | 909 | 91 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Silver | <5.40 | 500 | 461 | 92 | 457 | 91 | 70-130 | 1 | 20 | ug/L | 03/03/11 05:35 | |
| Zinc | <6.70 | 1000 | 859 | 86 | 855 | 86 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |

Miami Dade Water & Sewer-South District, Miami, FL
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Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 845071

MB Sample Id: 596090-1-BLK

Matrix: Water

LCS Sample Id: 596090-1-BKS

Prep Method: E200.7P

Date Prep: 02/21/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Antimony | <4.10 | 1000 | 1050 | 105 | 70-130 | ug/L | 02/22/11 14:36 | |
| Beryllium | <1.20 | 1000 | 1040 | 104 | 70-130 | ug/L | 02/22/11 14:36 | |
| Cadmium | <1.10 | 1000 | 1100 | 110 | 70-130 | ug/L | 02/22/11 14:36 | |
| Chromium | <2.60 | 1000 | 1060 | 106 | 70-130 | ug/L | 02/22/11 14:36 | |
| Copper | 22.2 | 1000 | 1080 | 108 | 70-130 | ug/L | 02/22/11 14:36 | |
| Molybdenum | <2.40 | 1000 | 1080 | 108 | 70-130 | ug/L | 02/22/11 14:36 | |
| Nickel | <1.90 | 1000 | 1040 | 104 | 70-130 | ug/L | 02/22/11 14:36 | |
| Selenium | <6.70 | 1000 | 1160 | 116 | 70-130 | ug/L | 02/22/11 14:36 | |
| Silver | <5.40 | 500 | 495 | 99 | 70-130 | ug/L | 02/22/11 14:36 | |
| Zinc | <6.70 | 1000 | 1040 | 104 | 70-130 | ug/L | 02/22/11 14:36 | |

Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 845071

Parent Sample Id: 407153-003

Matrix: Waste Water

MS Sample Id: 407153-003 S

Prep Method: E200.7P

Date Prep: 02/21/2011

MSD Sample Id: 407153-003 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Antimony | <4.10 | 1000 | 1070 | 107 | 1090 | 109 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Beryllium | <1.20 | 1000 | 1060 | 106 | 1060 | 106 | 70-130 | 0 | 20 | ug/L | 02/22/11 15:11 | |
| Cadmium | <1.10 | 1000 | 1110 | 111 | 1110 | 111 | 70-130 | 0 | 20 | ug/L | 02/22/11 15:11 | |
| Chromium | <2.60 | 1 | 1050 | 105 | 1070 | 107 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Copper | <3.40 | 1000 | 1080 | 108 | 1110 | 111 | 70-130 | 3 | 20 | ug/L | 02/22/11 15:11 | |
| Molybdenum | 2.46 | 1000 | 1070 | 107 | 1090 | 109 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Nickel | 3.07 | 1000 | 1040 | 104 | 1060 | 106 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Selenium | <6.70 | 1 | 1180 | 118 | 1200 | 120 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Silver | <5.40 | 500 | 538 | 108 | 553 | 111 | 70-130 | 3 | 20 | ug/L | 02/22/11 15:11 | |
| Zinc | 16.9 | 1 | 1080 | 106 | 1100 | 108 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |

Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 846796

Parent Sample Id: 406745-001

Matrix: Water

MS Sample Id: 406745-001 S

Prep Method: E200.7P

Date Prep: 02/25/2011

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|------------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Antimony | 9.41 | 1000 | 996 | 99 | 70-130 | ug/L | 03/03/11 05:59 | |
| Beryllium | <1.20 | 1000 | 1140 | 114 | 70-130 | ug/L | 03/03/11 05:59 | |
| Cadmium | 5.18 | 1000 | 1030 | 102 | 70-130 | ug/L | 03/03/11 05:59 | |
| Chromium | 56.2 | 1000 | 1030 | 97 | 70-130 | ug/L | 03/03/11 05:59 | |
| Copper | 96.7 | 1000 | 1110 | 101 | 70-130 | ug/L | 03/03/11 05:59 | |
| Molybdenum | 25.6 | 1000 | 943 | 92 | 70-130 | ug/L | 03/03/11 05:59 | |
| Nickel | 42.0 | 1000 | 998 | 96 | 70-130 | ug/L | 03/03/11 05:59 | |
| Selenium | 15.4 | 1000 | 994 | 98 | 70-130 | ug/L | 03/03/11 05:59 | |
| Silver | 6.80 | 500 | 577 | 114 | 70-130 | ug/L | 03/03/11 05:59 | |
| Zinc | 5480 | 1000 | 7010 | 153 | 70-130 | ug/L | 03/03/11 05:59 | J |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: Mercury by EPA 245.1

Seq Number: 844534

MB Sample Id: 596041-1-BLK

Matrix: Water

LCS Sample Id: 596041-1-BKS

Prep Method: E245.1P

Date Prep: 02/21/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Mercury | <0.0593 | 2 | 1.96 | 98 | 85-115 | ug/L | 02/21/11 13:53 | |

Analytical Method: Mercury by EPA 245.1

Seq Number: 844534

Parent Sample Id: 406837-001

Matrix: Water

MS Sample Id: 406837-001 S

Prep Method: E245.1P

Date Prep: 02/21/2011

MSD Sample Id: 406837-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Mercury | <0.0593 | 2 | 2.03 | 102 | 2.10 | 105 | 85-115 | 3 | 20 | ug/L | 02/21/11 13:55 | |

Analytical Method: Oil and Grease by EPA 1664A

Seq Number: 844928

MB Sample Id: 596109-1-BLK

Matrix: Water

LCS Sample Id: 596109-1-BKS

Prep Method: E1664A_PREP

Date Prep: 02/22/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Oil & Grease, HEM | <1.43 | 200 | 164 | 82 | 78-114 | mg/L | 02/23/11 16:00 | |

Analytical Method: Oil and Grease by EPA 1664A

Seq Number: 844928

Parent Sample Id: 407390-001

Matrix: Water

MS Sample Id: 407390-001 S

Prep Method: E1664A_PREP

Date Prep: 02/22/2011

MSD Sample Id: 407390-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Oil & Grease, HEM | <1.43 | 200 | 162 | 81 | 165 | 83 | 78-114 | 2 | 18 | mg/L | 02/23/11 16:00 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: Organochlorine Pesticides and PCBs by EPA 608

Seq Number: 845273

Matrix: Water

Prep Method: E608P

Date Prep: 02/23/2011

MB Sample Id: 596100-1-BLK

LCS Sample Id: 596100-1-BKS

LCSD Sample Id: 596100-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|---------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| 4,4-DDD | <0.00150 | 0.1 | 0.084 | 84 | 0.081 | 81 | 28-209 | 4 | 20 | ug/L | 02/24/11 02:22 | |
| 4,4-DDE | <0.000579 | 0.1 | 0.081 | 81 | 0.073 | 73 | 38-174 | 10 | 20 | ug/L | 02/24/11 02:22 | |
| 4,4-DDT | <0.000824 | 0.1 | 0.086 | 86 | 0.080 | 80 | 14-228 | 7 | 20 | ug/L | 02/24/11 02:22 | |
| Aldrin | <0.00170 | 0.1 | 0.076 | 76 | 0.052 | 52 | 43-149 | 38 | 20 | ug/L | 02/24/11 02:22 | J |
| Alpha-BHC | <0.000636 | 0.1 | 0.071 | 71 | 0.067 | 67 | 33-150 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Beta-BHC | <0.00130 | 0.1 | 0.068 | 68 | 0.065 | 65 | 37-162 | 5 | 20 | ug/L | 02/24/11 02:22 | |
| Delta-BHC | <0.000760 | 0.1 | 0.075 | 75 | 0.070 | 70 | 0-146 | 7 | 20 | ug/L | 02/24/11 02:22 | |
| Dieldrin | <0.000586 | 0.1 | 0.085 | 85 | 0.080 | 80 | 47-162 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Endosulfan I | <0.000523 | 0.1 | 0.077 | 77 | 0.068 | 68 | 42-148 | 12 | 20 | ug/L | 02/24/11 02:22 | |
| Endosulfan II | <0.000660 | 0.1 | 0.085 | 85 | 0.080 | 80 | 19-214 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Endosulfan Sulfate | <0.000650 | 0.1 | 0.087 | 87 | 0.082 | 82 | 8-218 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Endrin | <0.000718 | 0.1 | 0.083 | 83 | 0.079 | 79 | 41-189 | 5 | 20 | ug/L | 02/24/11 02:22 | |
| Endrin Aldehyde | <0.00109 | 0.1 | 0.083 | 83 | 0.079 | 79 | 12-217 | 5 | 20 | ug/L | 02/24/11 02:22 | |
| Gamma-BHC (Lindane) | <0.00167 | 0.1 | 0.071 | 71 | 0.069 | 69 | 33-155 | 3 | 20 | ug/L | 02/24/11 02:22 | |
| Heptachlor | <0.000542 | 0.1 | 0.069 | 69 | 0.048 | 48 | 47-148 | 36 | 20 | ug/L | 02/24/11 02:22 | J |
| Heptachlor Epoxide | <0.000615 | 0.1 | 0.076 | 76 | 0.071 | 71 | 48-138 | 7 | 20 | ug/L | 02/24/11 02:22 | |
| Methoxychlor | <0.000869 | 0.1 | 0.088 | 88 | 0.085 | 85 | 0-317 | 3 | 20 | ug/L | 02/24/11 02:22 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS
Analytical Method: SVOCs by EPA 625

Seq Number: 845263

MB Sample Id: 596099-1-BLK

Matrix: Water

LCS Sample Id: 596099-1-BKS

Prep Method: E625P

Date Prep: 02/23/2011

LCSD Sample Id: 596099-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Acenaphthene | <0.249 | 50 | 40.3 | 81 | 40.2 | 80 | 47-145 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| Acenaphthylene | <0.255 | 50 | 38.5 | 77 | 38.6 | 77 | 33-145 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| Anthracene | <0.249 | 50 | 41.1 | 82 | 42.4 | 85 | 27-133 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| Benzidine | <9.74 | 50 | 15.6 | 31 | 14.6 | 29 | 10-89 | 7 | 20 | ug/L | 02/25/11 00:53 | |
| Benzo(a)anthracene | <0.274 | 50 | 43.0 | 86 | 44.5 | 89 | 33-143 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| Benzo(a)pyrene | <0.305 | 50 | 44.8 | 90 | 44.5 | 89 | 17-163 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| Benzo(b)fluoranthene | <0.247 | 50 | 53.1 | 106 | 55.4 | 111 | 24-159 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| Benzo(k)fluoranthene | <0.385 | 50 | 37.8 | 76 | 36.8 | 74 | 11-162 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| Benzo(g,h,i)perylene | <0.281 | 50 | 44.8 | 90 | 46.0 | 92 | 10-219 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| Benzyl Alcohol | <0.220 | 50 | 32.9 | 66 | 30.5 | 61 | 42-83 | 8 | 20 | ug/L | 02/25/11 00:53 | |
| Benzyl Butyl Phthalate | <0.356 | 50 | 42.0 | 84 | 42.1 | 84 | 10-152 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| bis(2-chloroethoxy) methane | <0.316 | 50 | 37.4 | 75 | 35.3 | 71 | 33-184 | 6 | 20 | ug/L | 02/25/11 00:53 | |
| bis(2-chloroethyl) ether | <0.461 | 50 | 34.7 | 69 | 34.1 | 68 | 12-158 | 2 | 20 | ug/L | 02/25/11 00:53 | |
| bis(2-chloroisopropyl) ether | <0.341 | 50 | 39.3 | 79 | 38.0 | 76 | 36-166 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| bis(2-ethylhexyl) phthalate | <0.201 | 50 | 42.3 | 85 | 42.6 | 85 | 10-158 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| 4-chloro-3-methylphenol | <0.221 | 50 | 40.1 | 80 | 37.6 | 75 | 22-147 | 6 | 20 | ug/L | 02/25/11 00:53 | |
| 2-Chlorophenol | <0.224 | 50 | 33.2 | 66 | 32.0 | 64 | 23-134 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| Chrysene | <0.276 | 50 | 47.3 | 95 | 47.4 | 95 | 17-168 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| Dibenz(a,h)Anthracene | <0.550 | 50 | 45.1 | 90 | 45.3 | 91 | 10-227 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| Dibenzofuran | <0.0848 | 50 | 41.4 | 83 | 41.7 | 83 | 56-97 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| di-n-Butyl Phthalate | <0.211 | 50 | 43.2 | 86 | 43.5 | 87 | 10-118 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4-Dichlorophenol | <0.432 | 50 | 39.3 | 79 | 37.3 | 75 | 39-135 | 5 | 20 | ug/L | 02/25/11 00:53 | |
| Diethyl Phthalate | <0.328 | 50 | 43.3 | 87 | 43.1 | 86 | 10-114 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| Dimethyl Phthalate | <0.308 | 50 | 41.3 | 83 | 40.9 | 82 | 10-112 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4-Dimethylphenol | <0.396 | 50 | 39.0 | 78 | 37.6 | 75 | 32-119 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| 4,6-dinitro-2-methyl phenol | <0.353 | 50 | 18.5 | 37 | 18.0 | 36 | 10-181 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4-Dinitrophenol | <1.40 | 50 | 8.31 | 17 | 8.00 | 16 | 10-191 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4-Dinitrotoluene | <0.312 | 50 | 43.7 | 87 | 43.9 | 88 | 39-139 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| 2,6-Dinitrotoluene | <0.310 | 50 | 42.1 | 84 | 40.2 | 80 | 50-158 | 5 | 20 | ug/L | 02/25/11 00:53 | |
| di-n-Octyl Phthalate | <0.278 | 50 | 42.7 | 85 | 42.7 | 85 | 10-146 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| Fluoranthene | <0.201 | 50 | 43.9 | 88 | 45.5 | 91 | 26-137 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| Fluorene | <0.265 | 50 | 42.3 | 85 | 41.9 | 84 | 59-121 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| Hexachlorobenzene | <0.315 | 50 | 38.7 | 77 | 39.0 | 78 | 10-152 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| Hexachlorobutadiene | <0.448 | 50 | 19.5 | 39 | 19.5 | 39 | 24-116 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| Hexachlorocyclopentadiene | <0.741 | 50 | 9.28 | 19 | 9.73 | 19 | 22-106 | 5 | 20 | ug/L | 02/25/11 00:53 | J |
| Hexachloroethane | <0.362 | 50 | 18.5 | 37 | 18.0 | 36 | 40-113 | 3 | 20 | ug/L | 02/25/11 00:53 | J |
| Indeno(1,2,3-c,d)Pyrene | <0.259 | 50 | 45.2 | 90 | 45.5 | 91 | 10-171 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| 1-Methylnaphthalene | <0.103 | 50 | 33.5 | 67 | 33.1 | 66 | 52-99 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| 2-Methylnaphthalene | <0.113 | 50 | 32.9 | 66 | 33.0 | 66 | 47-96 | 0 | 20 | ug/L | 02/25/11 00:53 | |
| 2-methylphenol | <0.230 | 50 | 31.0 | 62 | 28.6 | 57 | 44-86 | 8 | 20 | ug/L | 02/25/11 00:53 | |
| 3&4-Methylphenol | <0.230 | 100 | 52.4 | 52 | 49.0 | 49 | 38-84 | 7 | 20 | ug/L | 02/25/11 00:53 | |
| Naphthalene | <0.338 | 50 | 30.1 | 60 | 29.6 | 59 | 21-133 | 2 | 20 | ug/L | 02/25/11 00:53 | |
| 2-Nitroaniline | <0.0598 | 50 | 49.0 | 98 | 48.3 | 97 | 58-97 | 1 | 20 | ug/L | 02/25/11 00:53 | J |
| Nitrobenzene | <0.306 | 50 | 39.3 | 79 | 37.0 | 74 | 35-180 | 6 | 20 | ug/L | 02/25/11 00:53 | |
| 2-Nitrophenol | <0.242 | 50 | 36.8 | 74 | 35.4 | 71 | 29-182 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| 4-Nitrophenol | <0.786 | 50 | 21.8 | 44 | 20.6 | 41 | 10-132 | 6 | 20 | ug/L | 02/25/11 00:53 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: SVOCs by EPA 625

Seq Number: 845263

MB Sample Id: 596099-1-BLK

Matrix: Water

LCS Sample Id: 596099-1-BKS

Prep Method: E625P

Date Prep: 02/23/2011

LCSD Sample Id: 596099-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|---------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Pentachlorophenol | <0.672 | 50 | 36.4 | 73 | 36.8 | 74 | 14-176 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| Phenanthrene | <0.288 | 50 | 42.1 | 84 | 42.8 | 86 | 54-120 | 2 | 20 | ug/L | 02/25/11 00:53 | |
| Phenol | <0.405 | 50 | 14.4 | 29 | 13.5 | 27 | 10-112 | 6 | 20 | ug/L | 02/25/11 00:53 | |
| Pyrene | <0.468 | 50 | 41.6 | 83 | 40.6 | 81 | 52-115 | 2 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4,5-Trichlorophenol | <0.380 | 50 | 42.7 | 85 | 41.3 | 83 | 54-111 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4,6-Trichlorophenol | <0.274 | 50 | 41.5 | 83 | 40.2 | 80 | 37-144 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| N-Nitrosodimethylamine | <0.310 | 50 | 22.1 | 44 | 21.4 | 43 | 28-64 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| N-Nitrosodi-n-Propylamine | <0.100 | 50 | 40.0 | 80 | 38.5 | 77 | 10-230 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| N-Nitrosodiphenylamine | <0.100 | 50 | 37.1 | 74 | 36.8 | 74 | 42-113 | 1 | 20 | ug/L | 02/25/11 00:53 | |

Analytical Method: Metals per ICP/MS by EPA 200.8

Seq Number: 844789

MB Sample Id: 596092-1-BLK

Matrix: Water

LCS Sample Id: 596092-1-BKS

Prep Method: E200.8P

Date Prep: 02/21/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Arsenic | <0.900 | 200 | 204 | 102 | 85-115 | ug/L | 02/22/11 14:49 | |
| Lead | <1.13 | 200 | 205 | 103 | 85-115 | ug/L | 02/22/11 14:49 | |
| Thallium | 0.390 | 200 | 204 | 102 | 85-115 | ug/L | 02/22/11 14:49 | |

Analytical Method: Metals per ICP/MS by EPA 200.8

Seq Number: 844789

Parent Sample Id: 407326-001

Matrix: Drinking Water

MS Sample Id: 407326-001 S

Prep Method: E200.8P

Date Prep: 02/21/2011

MSD Sample Id: 407326-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Arsenic | <0.900 | 200 | 202 | 101 | 204 | 102 | 70-130 | 1 | 20 | ug/L | 02/22/11 15:13 | |
| Lead | <1.13 | 200 | 206 | 103 | 209 | 105 | 70-130 | 1 | 20 | ug/L | 02/22/11 15:13 | |
| Thallium | 0.740 | 200 | 204 | 102 | 208 | 104 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:13 | |

Analytical Method: Metals per ICP/MS by EPA 200.8

Seq Number: 844789

Parent Sample Id: 407326-002

Matrix: Drinking Water

MS Sample Id: 407326-002 S

Prep Method: E200.8P

Date Prep: 02/21/2011

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Arsenic | <0.900 | 200 | 202 | 101 | 70-130 | ug/L | 02/22/11 15:36 | |
| Lead | <1.13 | 200 | 208 | 104 | 70-130 | ug/L | 02/22/11 15:36 | |
| Thallium | 1.32 | 200 | 206 | 102 | 70-130 | ug/L | 02/22/11 15:36 | |

Prelogin/Nonconformance Report- Sample Log-In

Client: Miami Dade Water & Sewer-South Distri

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 02/18/2011 06:02:00 PM

Temperature Measuring device used : T-108

Work Order #: 407305

Sample Receipt Checklist

Comments

| | | |
|--|-----|--|
| #1 *Temperature of cooler(s)? | 3.6 | |
| #2 *Shipping container in good condition? | Yes | |
| #3 *Samples received on ice? | Yes | |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A | |
| #5 Custody Seals intact on sample bottles/ container? | N/A | |
| #6 *Custody Seals Signed and dated for Containers/coolers | N/A | |
| #7 *Chain of Custody present? | Yes | |
| #9 Any missing/extra samples? | No | |
| #10 Chain of Custody signed when relinquished/ received? | Yes | |
| #11 Chain of Custody agrees with sample label(s)? | Yes | |
| #12 Container label(s) legible and intact? | Yes | |
| #13 Sample matrix/ properties agree with Chain of Custody? | Yes | |
| #14 Samples in proper container/ bottle? | Yes | |
| #15 Samples properly preserved? | Yes | |
| #16 Sample container(s) intact? | Yes | |
| #17 Sufficient sample amount for indicated test(s)? | No | Total Phenols will be re-collected per client. |
| #18 All samples received within hold time? | Yes | |
| #19 Subcontract of sample(s)? | No | |
| #20 VOC samples have zero headspace (less than 1/4 inch bubble)? | Yes | |
| #21 <2 for all samples preserved with HNO3,HCL, H2SO4? | Yes | |
| #22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH? | N/A | |

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

| | | |
|----------|-----|----------------|
| Analyst: | RKH | PH Device/Lot# |
|----------|-----|----------------|

NonConformance:

SD-Plant 2 Influent Dioxin Screen: by EPA 625 was negative for 2,3,7,8-TCDD.

Total Phenols will be recollected per client for Plant 2 Influent and re-submitted . EPA 420.1 was not analyzed on this work-order.

Batch 845273 608: % RPD between MS and MSD recoveries was outside method control limits for Aldrin and Heptachlor. Matrix Spike and Matrix Spike duplicate recoveries passed criteria.

Batch 845263 625: Spike recovery in the LCS and LCSD was outside method control criteria for Hexachlorocyclopentadiene,Hexachloroethane, 2-Nitroaniline. Target analytes were BDL. 3-4 Compounds are allowed to have spike recovery outside method control limits for full list 625 spike. Target analytes flagged with "J".

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **DateTime :** _____

Client: Miami Dade Water & Sewer-South District

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 02/18/2011 06:02:00 PM

Work Order #: 407305

Sample Receipt Checklist

Checklist completed by:

R. Khusainov

Robert Khusainov

Date: 02/18/2011

Checklist reviewed by:

Mike Kimmel

Mike Kimmel

Date: 03/09/2011



CHAIN OF CUSTODY RECORD

Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800

Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022

Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373

Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-623-8500

Page 1 of 1

Lab W.O.

407305

Field Billable Hrs:

* Container Type Codes

| | | | |
|----|--------------------|----|-------------------|
| VA | Vial Amber | ES | Encore Sampler |
| VC | Vial Clear | TS | TerraCore Sampler |
| VP | Vial Pre-preserved | AC | Air Canister |
| GA | Glass Amber | TB | Tedlar Bag |
| GC | Glass Clear | ZB | Zip Lock Bag |
| PA | Plastic Amber | PC | Plastic Clear |

Other:

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other
Example: 4ozGC = 4oz Glass Clear
40mlVP = 40ml Vial Pre-preserved

** Preservative Type Codes

| | | |
|-----------------------------------|--|-------------------|
| A. None | E. HCL | I. Ice |
| B. HNO ₃ | F. MeOH | J. MCAA |
| C. H ₂ SO ₄ | G. Na ₂ S ₂ O ₃ | K. ZnAc/NaOH |
| D. NaOH | H. NaHSO ₄ | L. Asbc Acid/NaOH |
| O. | | |

^ Matrix Type Codes

| | | | |
|--------|-----------------|---|---------------------|
| GW | Ground Water | S | Soil/Sediment/Solid |
| WW | Waste Water | W | Wipe |
| DW | Drinking Water | A | Air |
| SW | Surface Water | O | Oil |
| OW | Ocean/Sea Water | T | Tissue |
| PL | Product-Liquid | U | Urine |
| PS | Product-Solid | B | Blood |
| SL | Sludge | | |
| Other: | | | |

Company: MIAMI - DADE WATER + SEWER PO #

Address: 8950 SW 232 ST Quote #

City: MIAMI State: FL Zip: 33190

PM/Attn: CLIVE POWELL Phone: 786 268 5631

email: cpowell@miamidade.gov Fax: 786 268 5712

Project Name: Annual Priority Pollutants Project ID:

Sampler Signature: [Signature] Circle One Event: Daily Weekly Monthly
Quarterly Semi-Annual Annual N/A

| Sample # | Sample ID | Collect Date | Collect Time | Matrix Code ^ | Composite or Grab | Field Filtered | Total # of containers | # Cont. | Lab Only: |
|----------|---------------------|--------------|--------------|---------------|-------------------|----------------|-----------------------|---------|-----------|
| 1 | SD-PLANT 2 INFLUENT | 2/18/11 | 24hr | WW C | | | 3 | | |
| 2 | SD-PLANT 1 INFLUENT | 2/18/11 | 0825 | WW G | | | 5 | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 0 | | | | | | | | | |

TAT Work Days = D Need results by: Time:

Std (5-10D) 6Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

| Cont Type * | Pres Type ** | COMPLETE PRIORITY POLLUTANT | DIOXIN | CROSS-ALPHA | CROSS-BETA | RADIUM | 244 + 248 | PHENOL 6.25 | OIL AND GREASE | PHENOL 420.1 | VOLATILES 624 | Hold Sample (CALL) |
|-------------|--------------|-----------------------------|--------|-------------|------------|--------|-----------|-------------|----------------|--------------|---------------|--------------------|
| | | | | | | | | | | | | |

Hold Sample (CALL)

REMARKS

Please include
Molybdenum
Dibromooetane
2-methyl-4,6-dinitrophenol
2,3,7,8-tetrachlorodibenzo
-P-dioxin
Mercury

| Reg. Program / Clean-up Std | | | | | | STATE for Certs & Regs | | | | | | QA/QC Level & Certification | | | | | | EDDs | | | COC & Labels | | Coolers Temp °C | | Lab Use Only | | | YES NO N/A | | | | | | | | | | |
|-----------------------------|------|----|-------|------|--------|------------------------|----|----|----|--------|----|-----------------------------|-------|----------|--------|---|-----|-------|------|--------|--------------|--------|-----------------|------------------------------|--------------|----|-------------|-------------------------|---------|------------------------------------|-------|--|------------------------------------|--|--|--|--|--|
| CTLs | TRRP | DW | NPDES | LPST | DryCln | FL | TX | GA | NC | SC | NJ | PA | 1 | 2 | 3 | 4 | CLP | AFCEE | QAPP | ADaPT | SEDD | ERPIMS | Match | Incomplete | 1.3.6 | 2. | 3. | Non-Conformances found? | | | | | | | | | | |
| Other: | | | | | | OK | LA | AL | IL | Other: | | | NELAC | DoD-ELAP | Other: | | | | XLS | Other: | | Absent | Unclear | Samples intact upon arrival? | | | | | | | | | | | | | | |
| Relinquished by | | | | | | Affiliation | | | | | | Date | | | | | | Time | | | | | | Received by | | | Affiliation | | Date | | Time | | | | | | | |
| 1 | | | | | | MD/VA | | | | | | 2/18/11 | | | | | | 1203 | | | | | | | | | XEROX | | 2/18/11 | | 12:03 | | Received on Wet Ice? | | | | | |
| 2 | | | | | | Sun | | | | | | 2/18/11 | | | | | | 1500 | | | | | | | | | Sun | | 2/18/11 | | 1500 | | Labeled with proper preservatives? | | | | | |
| 3 | | | | | | Sun | | | | | | 2/18/11 | | | | | | 1630 | | | | | | | | | Sun | | 2/18/11 | | 1630 | | Received within holding time? | | | | | |
| 4 | | | | | | Sun | | | | | | 2/18/11 | | | | | | 1800 | | | | | | | | | Sun | | 2/18/11 | | 18:00 | | Custody seals intact? | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VOCs rec'd w/o headspace? | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Proper containers used? | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | pH verified-acceptable, excl VOCs? | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Received on time to meet HTs? | | | | | | | | |

FTS: Philadelphia 610-955-5649 South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371 Dallas 214-902-0300 Houston 281-240-4200 Odessa 432-563-1800 San Antonio 210-509-3334

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.

Property of XENCO - Revision Date: Nov 12, 2009

C.O.C. Serial #
290957

XENCO LABORATORIES

Container Receipt Verification Form

Work Order Number: _____

407305

Chain of Custody Number(s): _____

| Tests | Container Type/ Pres. | gal GA/ 32oz N/M GA/ 32oz N/M GA/ 32oz N/M GA/ 32oz W/M GA/ VOA VOA VOA 120mL P w. Fill/ 4oz Plastic/ 4oz Plastic/ 250mL HDPE/ 250mL HDPE/ 500mL HDPE/ 500mL HDPE/ 500mL HDPE/ 1L HDPE/ 1L HDPE/ 9oz GC/ 9oz GC/ 9oz GC/ 4oz GC/ 4oz GC/ 2oz GC/ 2oz GC/ Tedlar Bag Amplex/ Other/ Comments |
|-------|--------------------------|---|
| | 1 | 2 |
| | 2 | 1 |
| | 3 | |
| | 4 | |
| | 5 | |
| | 6 | |
| | 7 | |
| | 8 | |
| | 9 | |
| | 10 | |

Abbreviations:

Gal GA = One gallon amber
32oz N/M GA = 32 oz Amberglass
VOA = 40mL vials
32oz W/M GA = 32 oz Wide Mouth Amberglass

1L HDPE = 1L (1000mL) Plastic Bottle
500mL HDPE = 500mL Plastic Bottle
250mL HDPE = 250mL Plastic Bottle

8oz GC = 8oz Soil Jar
4oz GC = 4oz Soil Jar
2oz GC = 2oz soil jar

120mL Plastic w. Fill = BacT
Zip = Ziplock Bag
4oz Plastic = 4oz Plastic Bottle

HCl = Hydrochloric Acid
H₂SO₄ = Sulfuric Acid
NaOH = Sodium Hydroxide
MeOH = Methanol
HNO₃ = Nitric Acid
ZnAC = Zinc Acetate
Na₂S₂O₃ = Sodium Thiosulfate

NH₄Cl = Ammonium Chloride
DI H₂O = DI Water
MCAA = Monochloroacetic Acid

Reviewed By: _____

Analytical Report 407307

for

Miami Dade Water & Sewer-South District

Project Manager: CLIVE POWELL

ANNUAL PRIORITY POLLUTANTS

31-MAR-11



Genapure™
Analytical Services, Inc.



3231 NW 7th Avenue, Boca Raton, FL 33431

Ph:(561) 447-7373 Fax:(561) 447-6136

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

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Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)



31-MAR-11

Project Manager: **CLIVE POWELL**
Miami Dade Water & Sewer-South District
8950 SW 232 Street
Miami, FL 33190

Reference: XENCO Report No: **407307**
ANNUAL PRIORITY POLLUTANTS
Project Address:

CLIVE POWELL:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 407307. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 407307 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Mike Kimmel

Office Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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Sample Cross Reference 407307

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|---------------------|---------------|-----------------------|---------------------|----------------------|
| SD-Plant 1 Influent | W | Feb-18-11 00:00 | | 407307-001 |
| SD-Plant 1 Influent | W | Feb-18-11 08:10 | | 407307-002 |



CASE NARRATIVE SUMMARY



Client Name: *Miami Dade Water & Sewer-South D*
Project Name: *ANNUAL PRIORITY POLLUTANTS*

Project ID:
Work Order Number: 407307

Report Date: 31-MAR-11
Date Received: 18-FEB-11

Phenols for 420.1 are being recollected and re-submitted per client under another work-order.

Batch 845273 608: % RPD was outside method control limits between the LCS and LCSD recoveries for Aldrin and Heptachlor. Individual recoveries were within limits. Analytes flagged with "J2".

Mike Kimmel
Office Manager

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | | |
|---|-------------------|--|------------|---------------------------------------|--------------|----------------------|-------------|------------|
| Sample Id: SD-Plant 1 Influent | | Matrix: Water | | Date Received: Feb-18-11 18:00 | | | | |
| Lab Sample Id: 407307-001 | | Date Collected: Feb-18-11 00:00 | | | | | | |
| Analytical Method: ICP-AES Metals by EPA 200.7 | | Prep Method: E200.7P | | | | | | |
| Tech: TEM | | % Moisture: | | | | | | |
| Analyst: IST | | Date Prep: Feb-21-11 15:00 | | | | | | |
| Seq Number: 845071 | | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
| Antimony | 7440-36-0 | U | 20.0 | 4.10 | ug/L | 02/23/11 01:37 | U | 1 |
| Beryllium | 7440-41-7 | U | 4.00 | 1.20 | ug/L | 02/23/11 01:37 | U | 1 |
| Cadmium | 7440-43-9 | U | 5.00 | 1.10 | ug/L | 02/23/11 01:37 | U | 1 |
| Chromium | 7440-47-3 | 3.03 | 10.0 | 2.60 | ug/L | 02/23/11 01:37 | I | 1 |
| Copper | 7440-50-8 | 19.0 | 20.0 | 3.40 | ug/L | 03/03/11 06:42 | I | 1 |
| Molybdenum | 7439-98-7 | 3.26 | 10.0 | 2.40 | ug/L | 02/23/11 01:37 | I | 1 |
| Nickel | 7440-02-0 | 3.34 | 10.0 | 1.90 | ug/L | 02/23/11 01:37 | I | 1 |
| Selenium | 7782-49-2 | U | 30.0 | 6.70 | ug/L | 02/23/11 01:37 | U | 1 |
| Silver | 7440-22-4 | U | 20.0 | 5.40 | ug/L | 02/23/11 01:37 | U | 1 |
| Zinc | 7440-66-6 | 85.3 | 30.0 | 6.70 | ug/L | 02/23/11 01:37 | | 1 |
| Analytical Method: Mercury by EPA 245.1 | | Prep Method: E245.1P | | | | | | |
| Tech: SOA | | % Moisture: | | | | | | |
| Analyst: SOA | | Date Prep: Feb-21-11 08:30 | | | | | | |
| Seq Number: 844534 | | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
| Mercury | 7439-97-6 | 0.136 | 0.200 | 0.0593 | ug/L | 02/21/11 14:25 | I | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| Sample Id: SD-Plant 1 Influent | | Matrix: Water | | Date Received: Feb-18-11 18:00 | | | | |
|--|------------|---------------------------------|---------|--------------------------------|-------|----------------|------|-----|
| Lab Sample Id: 407307-001 | | Date Collected: Feb-18-11 00:00 | | | | | | |
| Analytical Method: Organochlorine Pesticides and PCBs by EPA 608 | | | | Prep Method: E608P | | | | |
| Tech: HEE | | | | % Moisture: | | | | |
| Analyst: JGO | | Date Prep: Feb-23-11 10:30 | | | | | | |
| Seq Number: 845273 | | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
| 4,4-DDD | 72-54-8 | U | 0.00500 | 0.00150 | ug/L | 02/24/11 20:49 | U | 1 |
| 4,4-DDE | 72-55-9 | U | 0.00500 | 0.000579 | ug/L | 02/24/11 20:49 | U | 1 |
| 4,4-DDT | 50-29-3 | U | 0.00500 | 0.000824 | ug/L | 02/24/11 20:49 | U | 1 |
| Aldrin | 309-00-2 | U | 0.00500 | 0.00170 | ug/L | 02/24/11 20:49 | UJ2 | 1 |
| Alpha-BHC | 319-84-6 | U | 0.00500 | 0.000636 | ug/L | 02/24/11 20:49 | U | 1 |
| Alpha-Chlordane | 5103-71-9 | U | 0.00500 | 0.000528 | ug/L | 02/24/11 20:49 | U | 1 |
| Beta-BHC | 319-85-7 | U | 0.00500 | 0.00130 | ug/L | 02/24/11 20:49 | U | 1 |
| Chlordane | 57-74-9 | U | 0.20 | 0.029 | ug/L | 02/24/11 20:49 | U | 1 |
| Delta-BHC | 319-86-8 | U | 0.00500 | 0.000760 | ug/L | 02/24/11 20:49 | U | 1 |
| Dieldrin | 60-57-1 | U | 0.00500 | 0.000586 | ug/L | 02/24/11 20:49 | U | 1 |
| Endosulfan I | 959-98-8 | U | 0.00500 | 0.000523 | ug/L | 02/24/11 20:49 | U | 1 |
| Endosulfan II | 33213-65-9 | U | 0.00500 | 0.000660 | ug/L | 02/24/11 20:49 | U | 1 |
| Endosulfan Sulfate | 1031-07-8 | U | 0.00500 | 0.000650 | ug/L | 02/24/11 20:49 | U | 1 |
| Endrin | 72-20-8 | U | 0.00500 | 0.000718 | ug/L | 02/24/11 20:49 | U | 1 |
| Endrin Aldehyde | 7421-93-4 | U | 0.00500 | 0.00109 | ug/L | 02/24/11 20:49 | U | 1 |
| Endrin Ketone | 53494-70-5 | U | 0.00500 | 0.000666 | ug/L | 02/24/11 20:49 | U | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 0.00500 | 0.00167 | ug/L | 02/24/11 20:49 | U | 1 |
| Gamma-Chlordane | 5566-34-7 | 2.48 | 0.0500 | 0.00559 | ug/L | 02/25/11 10:59 | | 10 |
| Heptachlor | 76-44-8 | U | 0.00500 | 0.000542 | ug/L | 02/24/11 20:49 | UJ2 | 1 |
| Heptachlor Epoxide | 1024-57-3 | U | 0.00500 | 0.000615 | ug/L | 02/24/11 20:49 | U | 1 |
| Methoxychlor | 72-43-5 | U | 0.00500 | 0.000869 | ug/L | 02/24/11 20:49 | U | 1 |
| Toxaphene | 8001-35-2 | U | 0.20 | 0.063 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB-1016 | 12674-11-2 | U | 0.500 | 0.110 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB-1221 | 11104-28-2 | U | 0.500 | 0.108 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB-1232 | 11141-16-5 | U | 0.500 | 0.107 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB-1242 | 53469-21-9 | U | 0.500 | 0.149 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB-1248 | 12672-29-6 | U | 0.500 | 0.101 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB-1254 | 11097-69-1 | U | 0.500 | 0.129 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB-1260 | 11096-82-5 | U | 0.500 | 0.120 | ug/L | 02/24/11 20:49 | U | 1 |
| PCB, Total | 1336-36-3 | U | | | ug/L | 02/24/11 20:49 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|---------------------------------------|--|---------------------------------------|
| Sample Id: SD-Plant 1 Influent | Matrix: Water | Date Received: Feb-18-11 18:00 |
| Lab Sample Id: 407307-001 | Date Collected: Feb-18-11 00:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: SVOCs by EPA 625 | Prep Method: E625P |
| Tech: HEA | % Moisture: |
| Analyst: BAT | Date Prep: Feb-23-11 12:30 |
| Seq Number: 845263 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|-------------------------------------|------------|--------|------|--------|-------|----------------|------|-----|
| Acenaphthene | 83-32-9 | 0.310 | 4.00 | 0.249 | ug/L | 02/25/11 02:19 | I | 1 |
| Acenaphthylene | 208-96-8 | U | 4.00 | 0.255 | ug/L | 02/25/11 02:19 | U | 1 |
| Anthracene | 120-12-7 | U | 4.00 | 0.249 | ug/L | 02/25/11 02:19 | U | 1 |
| Benzidine | 92-87-5 | U | 10.0 | 9.74 | ug/L | 02/25/11 02:19 | U | 1 |
| Benzo(a)anthracene | 56-55-3 | U | 4.00 | 0.274 | ug/L | 02/25/11 02:19 | U | 1 |
| Benzo(a)pyrene | 50-32-8 | U | 4.00 | 0.305 | ug/L | 02/25/11 02:19 | U | 1 |
| Benzo(b)fluoranthene | 205-99-2 | U | 4.00 | 0.247 | ug/L | 02/25/11 02:19 | U | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | U | 4.00 | 0.281 | ug/L | 02/25/11 02:19 | U | 1 |
| Benzyl Alcohol | 100-51-6 | 11.8 | 4.00 | 0.220 | ug/L | 02/25/11 02:19 | | 1 |
| Benzyl Butyl Phthalate | 85-68-7 | U | 10.0 | 0.356 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin | 1746-01-6 | ND | | | | 02/25/11 02:19 | | 1 |
| bis(2-chloroethoxy) methane | 111-91-1 | U | 4.00 | 0.316 | ug/L | 02/25/11 02:19 | U | 1 |
| bis(2-chloroethyl) ether | 111-44-4 | U | 4.00 | 0.461 | ug/L | 02/25/11 02:19 | U | 1 |
| bis(2-chloroisopropyl) ether | 108-60-1 | U | 4.00 | 0.341 | ug/L | 02/25/11 02:19 | U | 1 |
| bis(2-ethylhexyl) phthalate | 117-81-7 | U | 4.00 | 0.201 | ug/L | 02/25/11 02:19 | U | 1 |
| 4-Bromophenyl-phenylether | 101-55-3 | U | 4.00 | 0.271 | ug/L | 02/25/11 02:19 | U | 1 |
| 4-chloro-3-methylphenol | 59-50-7 | U | 4.00 | 0.221 | ug/L | 02/25/11 02:19 | U | 1 |
| 2-Chlorophenol | 95-57-8 | U | 4.00 | 0.224 | ug/L | 02/25/11 02:19 | U | 1 |
| 4-Chlorophenyl Phenyl Ether | 7005-72-3 | U | 4.00 | 0.446 | ug/L | 02/25/11 02:19 | U | 1 |
| Chrysene | 218-01-9 | U | 4.00 | 0.276 | ug/L | 02/25/11 02:19 | U | 1 |
| Dibenz(a,h)anthracene | 53-70-3 | U | 4.00 | 0.550 | ug/L | 02/25/11 02:19 | U | 1 |
| Dibenzofuran | 132-64-9 | U | 10.0 | 0.0848 | ug/L | 02/25/11 02:19 | U | 1 |
| di-n-Butyl Phthalate | 84-74-2 | U | 4.00 | 0.211 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,4-Dichlorophenol | 120-83-2 | U | 4.00 | 0.432 | ug/L | 02/25/11 02:19 | U | 1 |
| Diethyl Phthalate | 84-66-2 | 6.12 | 10.0 | 0.328 | ug/L | 02/25/11 02:19 | I | 1 |
| Dimethyl Phthalate | 131-11-3 | U | 1.00 | 0.308 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,4-Dimethylphenol | 105-67-9 | U | 4.00 | 0.396 | ug/L | 02/25/11 02:19 | U | 1 |
| 4,6-dinitro-2-methyl phenol | 534-52-1 | U | 10.0 | 0.353 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,4-Dinitrophenol | 51-28-5 | U | 10.0 | 1.40 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | U | 4.00 | 0.312 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | U | 4.00 | 0.310 | ug/L | 02/25/11 02:19 | U | 1 |
| di-n-Octyl Phthalate | 117-84-0 | U | 1.00 | 0.278 | ug/L | 02/25/11 02:19 | U | 1 |
| 1,2-Diphenylhydrazine | 122-66-7 | U | 4.00 | 0.234 | ug/L | 02/25/11 02:19 | U | 1 |
| Fluoranthene | 206-44-0 | U | 4.00 | 0.201 | ug/L | 02/25/11 02:19 | U | 1 |
| Fluorene | 86-73-7 | U | 4.00 | 0.265 | ug/L | 02/25/11 02:19 | U | 1 |
| Hexachlorobenzene | 118-74-1 | U | 1.00 | 0.315 | ug/L | 02/25/11 02:19 | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 4.00 | 0.448 | ug/L | 02/25/11 02:19 | U | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | U | 4.00 | 0.741 | ug/L | 02/25/11 02:19 | U | 1 |
| Hexachloroethane | 67-72-1 | U | 2.00 | 0.362 | ug/L | 02/25/11 02:19 | U | 1 |
| Indeno(1,2,3-c,d)Pyrene | 193-39-5 | U | 4.00 | 0.259 | ug/L | 02/25/11 02:19 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Sample Id: SD-Plant 1 Influent
Lab Sample Id: 407307-001

Matrix: Water
Date Collected: Feb-18-11 00:00

Date Received: Feb-18-11 18:00

Analytical Method: SVOCs by EPA 625

Prep Method: E625P

Tech: HEA

% Moisture:

Analyst: BAT

Date Prep: Feb-23-11 12:30

Seq Number: 845263

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|-------------------------|------------|--------|------|--------|-------|----------------|------|-----|
| Isophorone | 78-59-1 | U | 4.00 | 0.337 | ug/L | 02/25/11 02:19 | U | 1 |
| 1-Methylnaphthalene | 90-12-0 | 0.220 | 1.00 | 0.103 | ug/L | 02/25/11 02:19 | I | 1 |
| 2-Methylnaphthalene | 91-57-6 | U | 1.00 | 0.113 | ug/L | 02/25/11 02:19 | U | 1 |
| 2-methylphenol | 95-48-7 | U | 4.00 | 0.230 | ug/L | 02/25/11 02:19 | U | 1 |
| 3&4-Methylphenol | | 34.4 | 4.00 | 0.230 | ug/L | 02/25/11 02:19 | | 1 |
| Naphthalene | 91-20-3 | U | 4.00 | 0.338 | ug/L | 02/25/11 02:19 | U | 1 |
| 2-Nitroaniline | 88-74-4 | U | 50.0 | 0.0598 | ug/L | 02/25/11 02:19 | U | 1 |
| Nitrobenzene | 98-95-3 | U | 4.00 | 0.306 | ug/L | 02/25/11 02:19 | U | 1 |
| 2-Nitrophenol | 88-75-5 | U | 4.00 | 0.242 | ug/L | 02/25/11 02:19 | U | 1 |
| 4-Nitrophenol | 100-02-7 | U | 10.0 | 0.786 | ug/L | 02/25/11 02:19 | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 10.0 | 0.672 | ug/L | 02/25/11 02:19 | U | 1 |
| Phenanthrene | 85-01-8 | U | 4.00 | 0.288 | ug/L | 02/25/11 02:19 | U | 1 |
| Phenol | 108-95-2 | 9.13 | 1.00 | 0.405 | ug/L | 02/25/11 02:19 | | 1 |
| Pyrene | 129-00-0 | U | 4.00 | 0.468 | ug/L | 02/25/11 02:19 | U | 1 |
| Benzoic Acid * | 65-85-0 | 47.6 | 50.0 | 2.00 | ug/L | 02/25/11 02:19 | I | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 4.00 | 0.225 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 4.00 | 0.380 | ug/L | 02/25/11 02:19 | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 1.00 | 0.274 | ug/L | 02/25/11 02:19 | U | 1 |
| Nitrosomethylethylamine | 10595-95-6 | U | 6.40 | 1.80 | ug/L | 02/25/11 02:19 | U | 1 |
| N-Nitrosodiethylamine | 55-18-5 | U | 3.70 | 2.60 | ug/L | 02/25/11 02:19 | U | 1 |
| N-Nitrosodimethylamine | 62-75-9 | U | 4.00 | 0.310 | ug/L | 02/25/11 02:19 | U | 1 |
| N-Nitrosodiphenylamine | 86-30-6 | U | 4.00 | 0.100 | ug/L | 02/25/11 02:19 | U | 1 |

Analytical Method: Metals per ICP/MS by EPA 200.8

Prep Method: E200.8P

Tech: TEM

% Moisture:

Analyst: DAF

Date Prep: Feb-21-11 16:00

Seq Number: 844789

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|-------|----------------|------|-----|
| Arsenic | 7440-38-2 | U | 4.00 | 0.900 | ug/L | 02/22/11 18:12 | U | 1 |
| Lead | 7439-92-1 | 1.23 | 4.00 | 1.13 | ug/L | 02/22/11 18:12 | I | 1 |
| Thallium | 7440-28-0 | 0.260 | 2.00 | 0.131 | ug/L | 02/22/11 18:12 | VI | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|---------------------------------------|--|---------------------------------------|
| Sample Id: SD-Plant 1 Influent | Matrix: Water | Date Received: Feb-18-11 18:00 |
| Lab Sample Id: 407307-002 | Date Collected: Feb-18-11 08:10 | |

| | |
|---|-----------------------------------|
| Analytical Method: E624 Volatile | Prep Method: SW5030B |
| Tech: ROL | % Moisture: |
| Analyst: ROL | Date Prep: Feb-24-11 20:35 |
| Seq Number: 845297 | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
|----------------------------|-----------------|--------------|-------------|--------------|-------------|-----------------------|----------|----------|
| 1,1,1-Trichloroethane | 71-55-6 | U | 1.00 | 0.113 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | U | 1.00 | 0.0509 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | U | 1.00 | 0.109 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,1-Dichloroethane | 75-34-3 | U | 1.00 | 0.711 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,1-Dichloroethene | 75-35-4 | U | 1.00 | 0.139 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 1.00 | 0.150 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,2-Dichloroethane | 107-06-2 | U | 1.00 | 0.121 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,2-Dichloropropane | 78-87-5 | U | 1.00 | 0.108 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | U | 1.00 | 0.215 | ug/L | 02/25/11 08:15 | U | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 3.13 | 1.00 | 0.104 | ug/L | 02/25/11 08:15 | | 1 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | U | 1.00 | 0.0613 | ug/L | 02/25/11 08:15 | U | 1 |
| Acrolein | 107-02-8 | U | 10.0 | 2.37 | ug/L | 02/25/11 08:15 | U | 1 |
| Acrylonitrile | 107-13-1 | U | 2.00 | 0.408 | ug/L | 02/25/11 08:15 | U | 1 |
| Benzene | 71-43-2 | U | 1.00 | 0.249 | ug/L | 02/25/11 08:15 | U | 1 |
| Bromodichloromethane | 75-27-4 | U | 1.00 | 0.0764 | ug/L | 02/25/11 08:15 | U | 1 |
| Bromoform | 75-25-2 | U | 1.00 | 0.146 | ug/L | 02/25/11 08:15 | U | 1 |
| Methyl bromide | 74-83-9 | U | 1.00 | 0.183 | ug/L | 02/25/11 08:15 | U | 1 |
| Carbon Tetrachloride | 56-23-5 | U | 1.00 | 0.228 | ug/L | 02/25/11 08:15 | U | 1 |
| Chlorobenzene | 108-90-7 | U | 1.00 | 0.176 | ug/L | 02/25/11 08:15 | U | 1 |
| Chloroethane | 75-00-3 | U | 1.00 | 0.217 | ug/L | 02/25/11 08:15 | U | 1 |
| Chloroform | 67-66-3 | 1.05 | 1.00 | 0.122 | ug/L | 02/25/11 08:15 | | 1 |
| Methyl Chloride | 74-87-3 | U | 1.00 | 0.352 | ug/L | 02/25/11 08:15 | U | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | U | 1.00 | 0.152 | ug/L | 02/25/11 08:15 | U | 1 |
| Dibromochloromethane | 124-48-1 | U | 1.00 | 0.0586 | ug/L | 02/25/11 08:15 | U | 1 |
| Ethylbenzene | 100-41-4 | 0.411 | 1.00 | 0.210 | ug/L | 02/25/11 08:15 | I | 1 |
| Methylene Chloride | 75-09-2 | U | 5.00 | 1.27 | ug/L | 02/25/11 08:15 | U | 1 |
| Tetrachloroethylene | 127-18-4 | U | 1.00 | 0.0977 | ug/L | 02/25/11 08:15 | U | 1 |
| Toluene | 108-88-3 | 5.35 | 1.00 | 0.201 | ug/L | 02/25/11 08:15 | | 1 |
| trans-1,2-dichloroethylene | 156-60-5 | U | 1.00 | 0.128 | ug/L | 02/25/11 08:15 | U | 1 |
| trans-1,3-dichloropropene | 10061-02-6 | U | 1.00 | 0.0536 | ug/L | 02/25/11 08:15 | U | 1 |
| Trichloroethylene | 79-01-6 | U | 1.00 | 0.357 | ug/L | 02/25/11 08:15 | U | 1 |
| Trichlorofluoromethane | 75-69-4 | U | 1.00 | 0.120 | ug/L | 02/25/11 08:15 | U | 1 |
| Vinyl Chloride | 75-01-4 | U | 1.00 | 0.192 | ug/L | 02/25/11 08:15 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | | |
|---|-------------------|--|------------|---------------------------------------|--------------|----------------------|-------------|------------|
| Sample Id: SD-Plant 1 Influent | | Matrix: Water | | Date Received: Feb-18-11 18:00 | | | | |
| Lab Sample Id: 407307-002 | | Date Collected: Feb-18-11 08:10 | | | | | | |
| Analytical Method: Oil and Grease by EPA 1664A | | | | Prep Method: E1664A_PREP | | | | |
| Tech: LER | | | | % Moisture: | | | | |
| Analyst: TJH | | Date Prep: Feb-22-11 13:58 | | | | | | |
| Seq Number: 844928 | | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Analysis Date | Flag | Dil |
| Oil & Grease, HEM | | 24.0 | 4.00 | 1.43 | mg/L | 02/23/11 16:00 | | 1 |

FLORIDA Flagging Criteria

- A** Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.
- B** Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.
- F** When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.
- H** Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.
- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J** Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .
- J1: No known quality control criteria exist for the component;
 - J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);
 - J3: The sample matrix interfered with the ability to make any accurate determination;
 - J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).
 - J5: The field calibration verification did not meet calibration acceptance criteria.
 - J6: QC protocol not followed.

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| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

- K** Off-scale low. Actual value is known to be less than the value given. This code shall be used if:
1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or
 2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.
- L** Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- M** When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.
- N** Presumptive evidence of presence of material. This qualifier shall be used if:
1. The component has been tentatively identified based on mass spectral library search; or
 2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).
- O** Sampled, but analysis lost or not performed.
- Q** Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Indicates that the compound was analyzed for but not detected. This symbol shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).
- V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

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- Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z** Too many colonies were present for accurate counting. Historically, this condition has been reported as "too numerous to count" (TNTC). The "Z" qualifier code shall be reported when the total number of colonies of all types is more than 200 in all dilutions of the sample. When applicable to the observed test results, a numeric value for the colony count for the microorganism tested shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
- ?** Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
- *** Not reported due to interference.

The following codes deal with certain aspects of field activities. The codes shall be used if the laboratory has knowledge of the specific sampling event. The codes shall be added by the organization collecting samples if they apply:

- D** The sample result was reported from a dilution.
- E** Indicates that extra samples were taken at composite stations.
- R** Significant rain in the past 48 hours. (Significant rain typically involves rain in excess of 1/2 inch within the past 48 hours.) This code shall be used when the rainfall might contribute to a lower than normal value.
- !** Data deviate from historically established concentration ranges.
- +** Outside XENCO's scope of NELAC accreditation

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| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407307,

Project ID:

Lab Batch #: 845273

Sample: 596100-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 01:43

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.0710 | 0.100 | 71 | 25-165 | |
| Tetrachloro-m-xylene | 0.0590 | 0.100 | 59 | 32-137 | |

Lab Batch #: 845273

Sample: 596100-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 02:22

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.070 | 0.100 | 70 | 25-165 | |
| Tetrachloro-m-xylene | 0.059 | 0.100 | 59 | 32-137 | |

Lab Batch #: 845273

Sample: 596100-1-BSD / BSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 02:42

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.066 | 0.100 | 66 | 25-165 | |
| Tetrachloro-m-xylene | 0.053 | 0.100 | 53 | 32-137 | |

Lab Batch #: 845273

Sample: 407307-001 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/24/11 20:49

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.0638 | 0.100 | 64 | 25-165 | |
| Tetrachloro-m-xylene | 0.0499 | 0.100 | 50 | 32-137 | |

Lab Batch #: 845273

Sample: 407307-001 / DL

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 10:59

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides and PCBs by EPA 608 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 0.0447 | 0.100 | 45 | 25-165 | |
| Tetrachloro-m-xylene | 0.111 | 0.100 | 111 | 32-137 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407307,

Project ID:

Lab Batch #: 845263

Sample: 596099-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 00:35

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 2-Fluorobiphenyl | 33.2 | 50.0 | 66 | 40-112 | |
| 2-Fluorophenol | 40.6 | 100 | 41 | 24-64 | |
| Nitrobenzene-d5 | 36.5 | 50.0 | 73 | 39-117 | |
| Terphenyl-D14 | 38.6 | 50.0 | 77 | 31-146 | |
| 2,4,6-Tribromophenol | 79.4 | 100 | 79 | 52-121 | |
| Phenol-d6 | 26.8 | 100 | 27 | 14-48 | |

Lab Batch #: 845263

Sample: 596099-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 00:53

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 2-Fluorobiphenyl | 33.9 | 50.0 | 68 | 40-112 | |
| 2-Fluorophenol | 43.4 | 100 | 43 | 24-64 | |
| Nitrobenzene-d5 | 40.2 | 50.0 | 80 | 39-117 | |
| Terphenyl-D14 | 39.5 | 50.0 | 79 | 31-146 | |
| 2,4,6-Tribromophenol | 87.7 | 100 | 88 | 52-121 | |
| Phenol-d6 | 30.8 | 100 | 31 | 14-48 | |

Lab Batch #: 845263

Sample: 596099-1-BSD / BSD

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 01:10

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 2-Fluorobiphenyl | 32.3 | 50.0 | 65 | 40-112 | |
| 2-Fluorophenol | 40.6 | 100 | 41 | 24-64 | |
| Nitrobenzene-d5 | 39.0 | 50.0 | 78 | 39-117 | |
| Terphenyl-D14 | 40.5 | 50.0 | 81 | 31-146 | |
| 2,4,6-Tribromophenol | 90.2 | 100 | 90 | 52-121 | |
| Phenol-d6 | 28.6 | 100 | 29 | 14-48 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407307,

Project ID:

Lab Batch #: 845263

Sample: 407307-001 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 02:19

SURROGATE RECOVERY STUDY

| SVOCs by EPA 625 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 31.3 | 50.0 | 63 | 40-112 | |
| 2-Fluorophenol | 34.6 | 100 | 35 | 24-64 | |
| Nitrobenzene-d5 | 32.6 | 50.0 | 65 | 39-117 | |
| Terphenyl-D14 | 37.8 | 50.0 | 76 | 31-146 | |
| 2,4,6-Tribromophenol | 80.5 | 100 | 81 | 52-121 | |
| Phenol-d6 | 25.2 | 100 | 25 | 14-48 | |

Lab Batch #: 845297

Sample: 596550-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 01:47

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 4-Bromofluorobenzene | 30 | 30 | 99 | 80-121 | |
| Dibromofluoromethane | 30 | 30 | 100 | 87-118 | |
| Toluene-D8 | 26 | 30 | 87 | 87-111 | |

Lab Batch #: 845297

Sample: 596550-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 03:48

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 4-Bromofluorobenzene | 30 | 30 | 99 | 80-121 | |
| Dibromofluoromethane | 30 | 30 | 100 | 87-118 | |
| Toluene-D8 | 29 | 30 | 96 | 87-111 | |

Lab Batch #: 845297

Sample: 407307-002 / SMP

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 08:15

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 4-Bromofluorobenzene | 29 | 30 | 97 | 80-121 | |
| Dibromofluoromethane | 31 | 30 | 103 | 87-118 | |
| Toluene-D8 | 30 | 30 | 100 | 87-111 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407307,

Lab Batch #: 845297

Sample: 407563-001 S / MS

Project ID:

Batch: 1 Matrix: Ground Water

Units: ug/L

Date Analyzed: 02/25/11 16:17

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------|
| 4-Bromofluorobenzene | 28 | 30 | 94 | 80-121 | |
| Dibromofluoromethane | 30 | 30 | 99 | 87-118 | |
| Toluene-D8 | 30 | 30 | 99 | 87-111 | |

Lab Batch #: 845297

Sample: 407563-001 SD / MSD

Batch: 1 Matrix: Ground Water

Units: ug/L

Date Analyzed: 02/25/11 16:41

SURROGATE RECOVERY STUDY

| E624 Volatile Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------|
| 4-Bromofluorobenzene | 28 | 30 | 92 | 80-121 | |
| Dibromofluoromethane | 29 | 30 | 98 | 87-118 | |
| Toluene-D8 | 29 | 30 | 97 | 87-111 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|---|------------|--------------------|-------|----------------------------|-------|-----------|-----|
| Sample Id: 596041-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596041-1-BLK | | | | | | | |
| Analytical Method: Mercury by EPA 245.1 | | | | Prep Method: E245.1P | | | |
| Date Analyzed: Feb-21-11 13:51 | | Analyst: SOA | | Date Prep: Feb-21-11 08:30 | | Tech: SOA | |
| | | Seq Number: 844534 | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Mercury | 7439-97-6 | U | 0.200 | 0.0593 | ug/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | |
|------------------------------------|----------------------|
| Sample Id: 596090-1-BLK | Matrix: WATER |
| Lab Sample Id: 596090-1-BLK | |

| Analytical Method: ICP-AES Metals by EPA 200.7 | | | | Prep Method: E200.7P | | | |
|--|------------|--------------|------|----------------------------|-------|-----------|-----|
| Date Analyzed: Feb-22-11 20:26 | | Analyst: IST | | Date Prep: Feb-21-11 15:00 | | Tech: TEM | |
| Seq Number: 845071 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Antimony | 7440-36-0 | U | 20.0 | 4.10 | ug/L | U | 1 |
| Beryllium | 7440-41-7 | U | 4.00 | 1.20 | ug/L | U | 1 |
| Cadmium | 7440-43-9 | U | 5.00 | 1.10 | ug/L | U | 1 |
| Chromium | 7440-47-3 | U | 10.0 | 2.60 | ug/L | U | 1 |
| Molybdenum | 7439-98-7 | U | 10.0 | 2.40 | ug/L | U | 1 |
| Nickel | 7440-02-0 | U | 10.0 | 1.90 | ug/L | U | 1 |
| Selenium | 7782-49-2 | U | 30.0 | 6.70 | ug/L | U | 1 |
| Silver | 7440-22-4 | U | 20.0 | 5.40 | ug/L | U | 1 |
| Zinc | 7440-66-6 | U | 30.0 | 6.70 | ug/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|---|------------|---------------|------|----------------------------|-------|-----------|-----|
| Sample Id: 596092-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596092-1-BLK | | | | | | | |
| Analytical Method: Metals per ICP/MS by EPA 200.8 | | | | Prep Method: E200.8P | | | |
| Date Analyzed: Feb-22-11 14:41 | | Analyst: DAF | | Date Prep: Feb-21-11 16:00 | | Tech: TEM | |
| Seq Number: 844789 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Arsenic | 7440-38-2 | U | 4.00 | 0.900 | ug/L | U | 1 |
| Lead | 7439-92-1 | U | 4.00 | 1.13 | ug/L | U | 1 |
| Thallium | 7440-28-0 | 0.390 | 2.00 | 0.131 | ug/L | I | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

Sample Id: 596099-1-BLK
Lab Sample Id: 596099-1-BLK

Matrix: WATER

Analytical Method: SVOCs by EPA 625

Prep Method: E625P

Date Analyzed: Feb-25-11 00:35

Analyst: BAT

Date Prep: Feb-23-11 12:30

Tech: HEA

Seq Number: 845263

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|-----------------------------|------------|--------|------|-------|-------|------|-----|
| 4-Bromophenyl-phenylether | 101-55-3 | U | 4.00 | 0.271 | ug/L | U | 1 |
| 4-chloro-3-methylphenol | 59-50-7 | U | 4.00 | 0.221 | ug/L | U | 1 |
| 2-Chlorophenol | 95-57-8 | U | 4.00 | 0.224 | ug/L | U | 1 |
| 4-Chlorophenyl Phenyl Ether | 7005-72-3 | U | 4.00 | 0.446 | ug/L | U | 1 |
| 2,4-Dichlorophenol | 120-83-2 | U | 4.00 | 0.432 | ug/L | U | 1 |
| 2,4-Dimethylphenol | 105-67-9 | U | 4.00 | 0.396 | ug/L | U | 1 |
| 4,6-dinitro-2-methyl phenol | 534-52-1 | U | 10.0 | 0.353 | ug/L | U | 1 |
| 2,4-Dinitrophenol | 51-28-5 | U | 10.0 | 1.40 | ug/L | U | 1 |
| 1,2-Diphenylhydrazine | 122-66-7 | U | 4.00 | 0.234 | ug/L | U | 1 |
| Isophorone | 78-59-1 | U | 4.00 | 0.337 | ug/L | U | 1 |
| 2-methylphenol | 95-48-7 | U | 4.00 | 0.230 | ug/L | U | 1 |
| 3&4-Methylphenol | | U | 4.00 | 0.230 | ug/L | U | 1 |
| 2-Nitrophenol | 88-75-5 | U | 4.00 | 0.242 | ug/L | U | 1 |
| 4-Nitrophenol | 100-02-7 | U | 10.0 | 0.786 | ug/L | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 10.0 | 0.672 | ug/L | U | 1 |
| Phenol | 108-95-2 | U | 1.00 | 0.405 | ug/L | U | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 4.00 | 0.225 | ug/L | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 4.00 | 0.380 | ug/L | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 1.00 | 0.274 | ug/L | U | 1 |

Project: Florida Standard List of Methods

Version: 1.026

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | |
|------------------------------------|----------------------|
| Sample Id: 596100-1-BLK | Matrix: WATER |
| Lab Sample Id: 596100-1-BLK | |

Analytical Method: Organochlorine Pesticides and PCBs by EPA 608
Prep Method: E608P
Date Analyzed: Feb-24-11 01:43
Analyst: JGO
Date Prep: Feb-23-11 10:30
Tech: HEE
Seq Number: 845273

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|---------------------|------------|--------|---------|----------|-------|------|-----|
| 4,4-DDD | 72-54-8 | U | 0.00500 | 0.00150 | ug/L | U | 1 |
| 4,4-DDE | 72-55-9 | U | 0.00500 | 0.000579 | ug/L | U | 1 |
| 4,4-DDT | 50-29-3 | U | 0.00500 | 0.000824 | ug/L | U | 1 |
| Aldrin | 309-00-2 | U | 0.00500 | 0.00170 | ug/L | U | 1 |
| Alpha-BHC | 319-84-6 | U | 0.00500 | 0.000636 | ug/L | U | 1 |
| Beta-BHC | 319-85-7 | U | 0.00500 | 0.00130 | ug/L | U | 1 |
| Chlordane | 57-74-9 | U | 0.20 | 0.029 | ug/L | U | 1 |
| Delta-BHC | 319-86-8 | U | 0.00500 | 0.000760 | ug/L | U | 1 |
| Dieldrin | 60-57-1 | U | 0.00500 | 0.000586 | ug/L | U | 1 |
| Endosulfan I | 959-98-8 | U | 0.00500 | 0.000523 | ug/L | U | 1 |
| Endosulfan II | 33213-65-9 | U | 0.00500 | 0.000660 | ug/L | U | 1 |
| Endosulfan Sulfate | 1031-07-8 | U | 0.00500 | 0.000650 | ug/L | U | 1 |
| Endrin | 72-20-8 | U | 0.00500 | 0.000718 | ug/L | U | 1 |
| Endrin Aldehyde | 7421-93-4 | U | 0.00500 | 0.00109 | ug/L | U | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 0.00500 | 0.00167 | ug/L | U | 1 |
| Heptachlor | 76-44-8 | U | 0.00500 | 0.000542 | ug/L | U | 1 |
| Heptachlor Epoxide | 1024-57-3 | U | 0.00500 | 0.000615 | ug/L | U | 1 |
| Methoxychlor | 72-43-5 | U | 0.00500 | 0.000869 | ug/L | U | 1 |
| Toxaphene | 8001-35-2 | U | 0.20 | 0.063 | ug/L | U | 1 |
| PCB-1016 | 12674-11-2 | U | 0.500 | 0.110 | ug/L | U | 1 |
| PCB-1221 | 11104-28-2 | U | 0.500 | 0.108 | ug/L | U | 1 |
| PCB-1232 | 11141-16-5 | U | 0.500 | 0.107 | ug/L | U | 1 |
| PCB-1242 | 53469-21-9 | U | 0.500 | 0.149 | ug/L | U | 1 |
| PCB-1248 | 12672-29-6 | U | 0.500 | 0.101 | ug/L | U | 1 |
| PCB-1254 | 11097-69-1 | U | 0.500 | 0.129 | ug/L | U | 1 |
| PCB-1260 | 11096-82-5 | U | 0.500 | 0.120 | ug/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|--|------------|---------------|------|----------------------------|-------|-----------|-----|
| Sample Id: 596109-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596109-1-BLK | | | | | | | |
| Analytical Method: Oil and Grease by EPA 1664A | | | | Prep Method: E1664A_PREP | | | |
| Date Analyzed: Feb-23-11 16:00 | | Analyst: TJH | | Date Prep: Feb-22-11 13:58 | | Tech: LER | |
| Seq Number: 844928 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Oil & Grease, HEM | | U | 4.00 | 1.43 | mg/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | |
|-----------------------------|---------------|
| Sample Id: 596514-1-BLK | Matrix: WATER |
| Lab Sample Id: 596514-1-BLK | |

Analytical Method: ICP-AES Metals by EPA 200.7

Prep Method: E200.7P

Date Analyzed: Mar-03-11 05:29

Analyst: IST

Date Prep: Feb-25-11 07:00

Tech: RWA

Seq Number: 846796

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|------------|------------|--------|------|------|-------|------|-----|
| Antimony | 7440-36-0 | U | 20.0 | 4.10 | ug/L | U | 1 |
| Beryllium | 7440-41-7 | U | 4.00 | 1.20 | ug/L | U | 1 |
| Cadmium | 7440-43-9 | U | 5.00 | 1.10 | ug/L | U | 1 |
| Chromium | 7440-47-3 | U | 10.0 | 2.60 | ug/L | U | 1 |
| Copper | 7440-50-8 | U | 20.0 | 3.40 | ug/L | U | 1 |
| Molybdenum | 7439-98-7 | U | 10.0 | 2.40 | ug/L | U | 1 |
| Nickel | 7440-02-0 | U | 10.0 | 1.90 | ug/L | U | 1 |
| Selenium | 7782-49-2 | U | 30.0 | 6.70 | ug/L | U | 1 |
| Silver | 7440-22-4 | U | 20.0 | 5.40 | ug/L | U | 1 |
| Zinc | 7440-66-6 | U | 30.0 | 6.70 | ug/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
 ANNUAL PRIORITY POLLUTANTS

 Sample Id: 596550-1-BLK
 Lab Sample Id: 596550-1-BLK

Matrix: WATER

Analytical Method: E624 Volatile

Prep Method: SW5030B

Date Analyzed: Feb-25-11 03:48

Analyst: ROL

Date Prep: Feb-24-11 20:35

Tech: ROL

Seq Number: 845297

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|----------------------------|------------|--------|------|--------|-------|------|-----|
| 1,1,1-Trichloroethane | 71-55-6 | U | 1.00 | 0.113 | ug/L | U | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | U | 1.00 | 0.0509 | ug/L | U | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | U | 1.00 | 0.109 | ug/L | U | 1 |
| 1,1-Dichloroethane | 75-34-3 | U | 1.00 | 0.711 | ug/L | U | 1 |
| 1,1-Dichloroethene | 75-35-4 | U | 1.00 | 0.139 | ug/L | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 1.00 | 0.150 | ug/L | U | 1 |
| 1,2-Dichloroethane | 107-06-2 | U | 1.00 | 0.121 | ug/L | U | 1 |
| 1,2-Dichloropropane | 78-87-5 | U | 1.00 | 0.108 | ug/L | U | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | U | 1.00 | 0.215 | ug/L | U | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | U | 1.00 | 0.104 | ug/L | U | 1 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | U | 1.00 | 0.0613 | ug/L | U | 1 |
| Acrolein | 107-02-8 | U | 10.0 | 2.37 | ug/L | U | 1 |
| Acrylonitrile | 107-13-1 | U | 2.00 | 0.408 | ug/L | U | 1 |
| Benzene | 71-43-2 | U | 1.00 | 0.249 | ug/L | U | 1 |
| Bromodichloromethane | 75-27-4 | U | 1.00 | 0.0764 | ug/L | U | 1 |
| Bromoform | 75-25-2 | U | 1.00 | 0.146 | ug/L | U | 1 |
| Methyl bromide | 74-83-9 | U | 1.00 | 0.183 | ug/L | U | 1 |
| Carbon Tetrachloride | 56-23-5 | U | 1.00 | 0.228 | ug/L | U | 1 |
| Chlorobenzene | 108-90-7 | U | 1.00 | 0.176 | ug/L | U | 1 |
| Chloroethane | 75-00-3 | U | 1.00 | 0.217 | ug/L | U | 1 |
| Chloroform | 67-66-3 | U | 1.00 | 0.122 | ug/L | U | 1 |
| Methyl Chloride | 74-87-3 | U | 1.00 | 0.352 | ug/L | U | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | U | 1.00 | 0.152 | ug/L | U | 1 |
| Dibromochloromethane | 124-48-1 | U | 1.00 | 0.0586 | ug/L | U | 1 |
| Ethylbenzene | 100-41-4 | U | 1.00 | 0.210 | ug/L | U | 1 |
| Methylene Chloride | 75-09-2 | U | 5.00 | 1.27 | ug/L | U | 1 |
| Tetrachloroethylene | 127-18-4 | U | 1.00 | 0.0977 | ug/L | U | 1 |
| Toluene | 108-88-3 | U | 1.00 | 0.201 | ug/L | U | 1 |
| trans-1,2-dichloroethylene | 156-60-5 | U | 1.00 | 0.128 | ug/L | U | 1 |
| trans-1,3-dichloropropene | 10061-02-6 | U | 1.00 | 0.0536 | ug/L | U | 1 |
| Trichloroethylene | 79-01-6 | U | 1.00 | 0.357 | ug/L | U | 1 |
| Trichlorofluoromethane | 75-69-4 | U | 1.00 | 0.120 | ug/L | U | 1 |
| Vinyl Chloride | 75-01-4 | U | 1.00 | 0.192 | ug/L | U | 1 |

Project: Florida Standard List of Methods

Version: 1.026

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: E624 Volatile

Seq Number: 845297

MB Sample Id: 596550-1-BLK

Matrix: Water

LCS Sample Id: 596550-1-BKS

Prep Method: SW5030B

Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|--------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| 1,1-Dichloroethene | <0.139 | 20 | 19.4 | 97 | 10-234 | ug/L | 02/25/11 01:47 | |
| Benzene | <0.249 | 20 | 18.5 | 93 | 37-151 | ug/L | 02/25/11 01:47 | |
| Chlorobenzene | <0.176 | 20 | 17.2 | 86 | 37-160 | ug/L | 02/25/11 01:47 | |
| Toluene | <0.201 | 20 | 14.3 | 72 | 47-150 | ug/L | 02/25/11 01:47 | |
| Trichloroethylene | <0.357 | 20 | 16.9 | 85 | 71-157 | ug/L | 02/25/11 01:47 | |

Analytical Method: E624 Volatile

Seq Number: 845297

Parent Sample Id: 407563-001

Matrix: Ground Water

MS Sample Id: 407563-001 S

Prep Method: SW5030B

Date Prep: 02/24/2011

MSD Sample Id: 407563-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| 1,1-Dichloroethene | <0.139 | 20 | 23.0 | 115 | 24.7 | 124 | 10-234 | 7 | 20 | ug/L | 02/25/11 16:17 | |
| Benzene | <0.249 | 20 | 19.2 | 96 | 19.7 | 99 | 37-151 | 3 | 20 | ug/L | 02/25/11 16:17 | |
| Chlorobenzene | <0.176 | 20 | 17.9 | 90 | 18.5 | 93 | 37-160 | 3 | 20 | ug/L | 02/25/11 16:17 | |
| Toluene | <0.201 | 20 | 17.1 | 86 | 17.8 | 89 | 47-150 | 4 | 20 | ug/L | 02/25/11 16:17 | |
| Trichloroethylene | <0.357 | 20 | 17.9 | 90 | 18.3 | 92 | 71-157 | 2 | 20 | ug/L | 02/25/11 16:17 | |

Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 846796

MB Sample Id: 596514-1-BLK

Matrix: Water

LCS Sample Id: 596514-1-BKS

Prep Method: E200.7P

Date Prep: 02/25/2011

LCSD Sample Id: 596514-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Antimony | <4.10 | 1000 | 932 | 93 | 935 | 94 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Beryllium | <1.20 | 1000 | 1020 | 102 | 1020 | 102 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Cadmium | <1.10 | 1000 | 954 | 95 | 955 | 96 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Chromium | <2.60 | 1000 | 905 | 91 | 902 | 90 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Copper | <3.40 | 1000 | 919 | 92 | 918 | 92 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Molybdenum | <2.40 | 1000 | 845 | 85 | 850 | 85 | 70-130 | 1 | 20 | ug/L | 03/03/11 05:35 | |
| Nickel | <1.90 | 1000 | 925 | 93 | 922 | 92 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Selenium | <6.70 | 1000 | 909 | 91 | 909 | 91 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |
| Silver | <5.40 | 500 | 461 | 92 | 457 | 91 | 70-130 | 1 | 20 | ug/L | 03/03/11 05:35 | |
| Zinc | <6.70 | 1000 | 859 | 86 | 855 | 86 | 70-130 | 0 | 20 | ug/L | 03/03/11 05:35 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 845071

MB Sample Id: 596090-1-BLK

Matrix: Water

LCS Sample Id: 596090-1-BKS

Prep Method: E200.7P

Date Prep: 02/21/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Antimony | <4.10 | 1000 | 1050 | 105 | 70-130 | ug/L | 02/22/11 14:36 | |
| Beryllium | <1.20 | 1000 | 1040 | 104 | 70-130 | ug/L | 02/22/11 14:36 | |
| Cadmium | <1.10 | 1000 | 1100 | 110 | 70-130 | ug/L | 02/22/11 14:36 | |
| Chromium | <2.60 | 1000 | 1060 | 106 | 70-130 | ug/L | 02/22/11 14:36 | |
| Copper | 22.2 | 1000 | 1080 | 108 | 70-130 | ug/L | 02/22/11 14:36 | |
| Molybdenum | <2.40 | 1000 | 1080 | 108 | 70-130 | ug/L | 02/22/11 14:36 | |
| Nickel | <1.90 | 1000 | 1040 | 104 | 70-130 | ug/L | 02/22/11 14:36 | |
| Selenium | <6.70 | 1000 | 1160 | 116 | 70-130 | ug/L | 02/22/11 14:36 | |
| Silver | <5.40 | 500 | 495 | 99 | 70-130 | ug/L | 02/22/11 14:36 | |
| Zinc | <6.70 | 1000 | 1040 | 104 | 70-130 | ug/L | 02/22/11 14:36 | |

Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 845071

Parent Sample Id: 407153-003

Matrix: Waste Water

MS Sample Id: 407153-003 S

Prep Method: E200.7P

Date Prep: 02/21/2011

MSD Sample Id: 407153-003 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Antimony | <4.10 | 1000 | 1070 | 107 | 1090 | 109 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Beryllium | <1.20 | 1000 | 1060 | 106 | 1060 | 106 | 70-130 | 0 | 20 | ug/L | 02/22/11 15:11 | |
| Cadmium | <1.10 | 1000 | 1110 | 111 | 1110 | 111 | 70-130 | 0 | 20 | ug/L | 02/22/11 15:11 | |
| Chromium | <2.60 | 1 | 1050 | 105 | 1070 | 107 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Copper | <3.40 | 1000 | 1080 | 108 | 1110 | 111 | 70-130 | 3 | 20 | ug/L | 02/22/11 15:11 | |
| Molybdenum | 2.46 | 1000 | 1070 | 107 | 1090 | 109 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Nickel | 3.07 | 1000 | 1040 | 104 | 1060 | 106 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Selenium | <6.70 | 1 | 1180 | 118 | 1200 | 120 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |
| Silver | <5.40 | 500 | 538 | 108 | 553 | 111 | 70-130 | 3 | 20 | ug/L | 02/22/11 15:11 | |
| Zinc | 16.9 | 1 | 1080 | 106 | 1100 | 108 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:11 | |

Analytical Method: ICP-AES Metals by EPA 200.7

Seq Number: 846796

Parent Sample Id: 406745-001

Matrix: Water

MS Sample Id: 406745-001 S

Prep Method: E200.7P

Date Prep: 02/25/2011

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|------------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Antimony | 9.41 | 1000 | 996 | 99 | 70-130 | ug/L | 03/03/11 05:59 | |
| Beryllium | <1.20 | 1000 | 1140 | 114 | 70-130 | ug/L | 03/03/11 05:59 | |
| Cadmium | 5.18 | 1000 | 1030 | 102 | 70-130 | ug/L | 03/03/11 05:59 | |
| Chromium | 56.2 | 1000 | 1030 | 97 | 70-130 | ug/L | 03/03/11 05:59 | |
| Copper | 96.7 | 1000 | 1110 | 101 | 70-130 | ug/L | 03/03/11 05:59 | |
| Molybdenum | 25.6 | 1000 | 943 | 92 | 70-130 | ug/L | 03/03/11 05:59 | |
| Nickel | 42.0 | 1000 | 998 | 96 | 70-130 | ug/L | 03/03/11 05:59 | |
| Selenium | 15.4 | 1000 | 994 | 98 | 70-130 | ug/L | 03/03/11 05:59 | |
| Silver | 6.80 | 500 | 577 | 114 | 70-130 | ug/L | 03/03/11 05:59 | |
| Zinc | 5480 | 1000 | 7010 | 153 | 70-130 | ug/L | 03/03/11 05:59 | J |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: Mercury by EPA 245.1

Seq Number: 844534

MB Sample Id: 596041-1-BLK

Matrix: Water

LCS Sample Id: 596041-1-BKS

Prep Method: E245.1P

Date Prep: 02/21/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Mercury | <0.0593 | 2 | 1.96 | 98 | 85-115 | ug/L | 02/21/11 13:53 | |

Analytical Method: Mercury by EPA 245.1

Seq Number: 844534

Parent Sample Id: 406837-001

Matrix: Water

MS Sample Id: 406837-001 S

Prep Method: E245.1P

Date Prep: 02/21/2011

MSD Sample Id: 406837-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Mercury | <0.0593 | 2 | 2.03 | 102 | 2.10 | 105 | 85-115 | 3 | 20 | ug/L | 02/21/11 13:55 | |

Analytical Method: Oil and Grease by EPA 1664A

Seq Number: 844928

MB Sample Id: 596109-1-BLK

Matrix: Water

LCS Sample Id: 596109-1-BKS

Prep Method: E1664A_PREP

Date Prep: 02/22/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Oil & Grease, HEM | <1.43 | 200 | 164 | 82 | 78-114 | mg/L | 02/23/11 16:00 | |

Analytical Method: Oil and Grease by EPA 1664A

Seq Number: 844928

Parent Sample Id: 407390-001

Matrix: Water

MS Sample Id: 407390-001 S

Prep Method: E1664A_PREP

Date Prep: 02/22/2011

MSD Sample Id: 407390-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Oil & Grease, HEM | <1.43 | 200 | 162 | 81 | 165 | 83 | 78-114 | 2 | 18 | mg/L | 02/23/11 16:00 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS
Analytical Method: Organochlorine Pesticides and PCBs by EPA 608

Seq Number: 845273

Matrix: Water

Prep Method: E608P

Date Prep: 02/23/2011

MB Sample Id: 596100-1-BLK

LCS Sample Id: 596100-1-BKS

LCSD Sample Id: 596100-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|---------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| 4,4-DDD | <0.00150 | 0.1 | 0.084 | 84 | 0.081 | 81 | 28-209 | 4 | 20 | ug/L | 02/24/11 02:22 | |
| 4,4-DDE | <0.000579 | 0.1 | 0.081 | 81 | 0.073 | 73 | 38-174 | 10 | 20 | ug/L | 02/24/11 02:22 | |
| 4,4-DDT | <0.000824 | 0.1 | 0.086 | 86 | 0.080 | 80 | 14-228 | 7 | 20 | ug/L | 02/24/11 02:22 | |
| Aldrin | <0.00170 | 0.1 | 0.076 | 76 | 0.052 | 52 | 43-149 | 38 | 20 | ug/L | 02/24/11 02:22 | J |
| Alpha-BHC | <0.000636 | 0.1 | 0.071 | 71 | 0.067 | 67 | 33-150 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Beta-BHC | <0.00130 | 0.1 | 0.068 | 68 | 0.065 | 65 | 37-162 | 5 | 20 | ug/L | 02/24/11 02:22 | |
| Delta-BHC | <0.000760 | 0.1 | 0.075 | 75 | 0.070 | 70 | 0-146 | 7 | 20 | ug/L | 02/24/11 02:22 | |
| Dieldrin | <0.000586 | 0.1 | 0.085 | 85 | 0.080 | 80 | 47-162 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Endosulfan I | <0.000523 | 0.1 | 0.077 | 77 | 0.068 | 68 | 42-148 | 12 | 20 | ug/L | 02/24/11 02:22 | |
| Endosulfan II | <0.000660 | 0.1 | 0.085 | 85 | 0.080 | 80 | 19-214 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Endosulfan Sulfate | <0.000650 | 0.1 | 0.087 | 87 | 0.082 | 82 | 8-218 | 6 | 20 | ug/L | 02/24/11 02:22 | |
| Endrin | <0.000718 | 0.1 | 0.083 | 83 | 0.079 | 79 | 41-189 | 5 | 20 | ug/L | 02/24/11 02:22 | |
| Endrin Aldehyde | <0.00109 | 0.1 | 0.083 | 83 | 0.079 | 79 | 12-217 | 5 | 20 | ug/L | 02/24/11 02:22 | |
| Gamma-BHC (Lindane) | <0.00167 | 0.1 | 0.071 | 71 | 0.069 | 69 | 33-155 | 3 | 20 | ug/L | 02/24/11 02:22 | |
| Heptachlor | <0.000542 | 0.1 | 0.069 | 69 | 0.048 | 48 | 47-148 | 36 | 20 | ug/L | 02/24/11 02:22 | J |
| Heptachlor Epoxide | <0.000615 | 0.1 | 0.076 | 76 | 0.071 | 71 | 48-138 | 7 | 20 | ug/L | 02/24/11 02:22 | |
| Methoxychlor | <0.000869 | 0.1 | 0.088 | 88 | 0.085 | 85 | 0-317 | 3 | 20 | ug/L | 02/24/11 02:22 | |

Analytical Method: SVOCs by EPA 625

Seq Number: 845263

Matrix: Water

Prep Method: E625P

Date Prep: 02/23/2011

MB Sample Id: 596099-1-BLK

LCS Sample Id: 596099-1-BKS

LCSD Sample Id: 596099-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| 4-chloro-3-methylphenol | <0.221 | 50 | 40.1 | 80 | 37.6 | 75 | 22-147 | 6 | 20 | ug/L | 02/25/11 00:53 | |
| 2-Chlorophenol | <0.224 | 50 | 33.2 | 66 | 32.0 | 64 | 23-134 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4-Dichlorophenol | <0.432 | 50 | 39.3 | 79 | 37.3 | 75 | 39-135 | 5 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4-Dimethylphenol | <0.396 | 50 | 39.0 | 78 | 37.6 | 75 | 32-119 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| 4,6-dinitro-2-methyl phenol | <0.353 | 50 | 18.5 | 37 | 18.0 | 36 | 10-181 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4-Dinitrophenol | <1.40 | 50 | 8.31 | 17 | 8.00 | 16 | 10-191 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| 2-methylphenol | <0.230 | 50 | 31.0 | 62 | 28.6 | 57 | 44-86 | 8 | 20 | ug/L | 02/25/11 00:53 | |
| 3&4-Methylphenol | <0.230 | 100 | 52.4 | 52 | 49.0 | 49 | 38-84 | 7 | 20 | ug/L | 02/25/11 00:53 | |
| 2-Nitrophenol | <0.242 | 50 | 36.8 | 74 | 35.4 | 71 | 29-182 | 4 | 20 | ug/L | 02/25/11 00:53 | |
| 4-Nitrophenol | <0.786 | 50 | 21.8 | 44 | 20.6 | 41 | 10-132 | 6 | 20 | ug/L | 02/25/11 00:53 | |
| Pentachlorophenol | <0.672 | 50 | 36.4 | 73 | 36.8 | 74 | 14-176 | 1 | 20 | ug/L | 02/25/11 00:53 | |
| Phenol | <0.405 | 50 | 14.4 | 29 | 13.5 | 27 | 10-112 | 6 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4,5-Trichlorophenol | <0.380 | 50 | 42.7 | 85 | 41.3 | 83 | 54-111 | 3 | 20 | ug/L | 02/25/11 00:53 | |
| 2,4,6-Trichlorophenol | <0.274 | 50 | 41.5 | 83 | 40.2 | 80 | 37-144 | 3 | 20 | ug/L | 02/25/11 00:53 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: Metals per ICP/MS by EPA 200.8

Seq Number: 844789

MB Sample Id: 596092-1-BLK

Matrix: Water

LCS Sample Id: 596092-1-BKS

Prep Method: E200.8P

Date Prep: 02/21/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Arsenic | <0.900 | 200 | 204 | 102 | 85-115 | ug/L | 02/22/11 14:49 | |
| Lead | <1.13 | 200 | 205 | 103 | 85-115 | ug/L | 02/22/11 14:49 | |
| Thallium | 0.390 | 200 | 204 | 102 | 85-115 | ug/L | 02/22/11 14:49 | |

Analytical Method: Metals per ICP/MS by EPA 200.8

Seq Number: 844789

Parent Sample Id: 407326-001

Matrix: Drinking Water

MS Sample Id: 407326-001 S

Prep Method: E200.8P

Date Prep: 02/21/2011

MSD Sample Id: 407326-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Arsenic | <0.900 | 200 | 202 | 101 | 204 | 102 | 70-130 | 1 | 20 | ug/L | 02/22/11 15:13 | |
| Lead | <1.13 | 200 | 206 | 103 | 209 | 105 | 70-130 | 1 | 20 | ug/L | 02/22/11 15:13 | |
| Thallium | 0.740 | 200 | 204 | 102 | 208 | 104 | 70-130 | 2 | 20 | ug/L | 02/22/11 15:13 | |

Analytical Method: Metals per ICP/MS by EPA 200.8

Seq Number: 844789

Parent Sample Id: 407326-002

Matrix: Drinking Water

MS Sample Id: 407326-002 S

Prep Method: E200.8P

Date Prep: 02/21/2011

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Arsenic | <0.900 | 200 | 202 | 101 | 70-130 | ug/L | 02/22/11 15:36 | |
| Lead | <1.13 | 200 | 208 | 104 | 70-130 | ug/L | 02/22/11 15:36 | |
| Thallium | 1.32 | 200 | 206 | 102 | 70-130 | ug/L | 02/22/11 15:36 | |

Prelogin/Nonconformance Report- Sample Log-In

Client: Miami Dade Water & Sewer-South District

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 02/18/2011 06:00:00 PM

Temperature Measuring device used : T-108

Work Order #: 407307

Sample Receipt Checklist

Comments

| | | |
|--|-----|---|
| #1 *Temperature of cooler(s)? | 3.6 | |
| #2 *Shipping container in good condition? | Yes | |
| #3 *Samples received on ice? | Yes | |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A | |
| #5 Custody Seals intact on sample bottles/ container? | N/A | |
| #6 *Custody Seals Signed and dated for Containers/coolers | N/A | |
| #7 *Chain of Custody present? | Yes | |
| #9 Any missing/extra samples? | No | |
| #10 Chain of Custody signed when relinquished/ received? | Yes | |
| #11 Chain of Custody agrees with sample label(s)? | Yes | |
| #12 Container label(s) legible and intact? | Yes | |
| #13 Sample matrix/ properties agree with Chain of Custody? | Yes | |
| #14 Samples in proper container/ bottle? | Yes | |
| #15 Samples properly preserved? | Yes | |
| #16 Sample container(s) intact? | Yes | |
| #17 Sufficient sample amount for indicated test(s)? | No | Phenols is being re-collected and re-submitted. |
| #18 All samples received within hold time? | Yes | |
| #19 Subcontract of sample(s)? | No | |
| #20 VOC samples have zero headspace (less than 1/4 inch bubble)? | Yes | |
| #21 <2 for all samples preserved with HNO ₃ , HCL, H ₂ SO ₄ ? | Yes | |
| #22 >10 for all samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH? | Yes | |

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

| | |
|--------------|----------------|
| Analyst: RKH | PH Device/Lot# |
|--------------|----------------|

NonConformance:

Phenols for 420.1 are being recollected and re-submitted per client under another work-order.

Batch 845273 608: % RPD was outside method control limits between the LCS and LCSD recoveries for Aldrin and Heptachlor. Individual recoveries were within limits. Analytes flagged with "J2".

Corrective Action Taken:

625 + 2,3,7,8-TCDD Dioxin Screen

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date/Time :** _____

Checklist completed by: R. Khusainov
Robert Khusainov

Date: 02/18/2011

Checklist reviewed by: Mike Kimmel
Mike Kimmel

Date: 03/09/2011



CHAIN OF CUSTODY RECORD

Page 1 of 1

Lab W.O.

407307

Field Billable Hrs:

*** Container Type Codes**

| | |
|-----------------------|----------------------|
| VA Vial Amber | ES Encore Sampler |
| VC Vial Clear | TS TerraCore Sampler |
| VP Vial Pre-preserved | AC Air Canister |
| GA Glass Amber | TB Tedlar Bag |
| GC Glass Clear | ZB Zip Lock Bag |
| PA Plastic Amber | PC Plastic Clear |

Other _____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other
Example: 40zGC = 40z Glass Clear
40mlVP = 40ml Vial Pre-preserved

**** Preservative Type Codes**

| | | |
|-----------------------------------|--|--------------------|
| A. None | E. HCL | I. Ice |
| B. HNO ₃ | F. MeOH | J. MCAA |
| C. H ₂ SO ₄ | G. Na ₂ S ₂ O ₃ | K. ZnAc&NaOH |
| D. NaOH | H. NaHSO ₄ | L. Asbic Acid&NaOH |
| O. | | |

^ Matrix Type Codes

| | |
|--------------------|------------------------|
| GW Ground Water | S. Soil/Sediment/Solid |
| WW Waste Water | W. Wipe |
| DW Drinking Water | A. Air |
| SW Surface Water | O. Oil |
| OW Ocean/Sea Water | T. Tissue |
| PL Product-Liquid | U. Urine |
| PS Product-Solid | B. Blood |
| SL Sludge | |
| Other | |

Company: MIAMI-DADE WATER + SEWER PO #

Address: 8950 SW 232 ST Quote #

City: MIAMI State: FL Zip: 33190

PM/Attn: CLIVE POWELL Phone: 786-268-5631

email: cpowe@miamidade.gov Fax: 786-268-5712

Project Name: Annual Priority Pollutants Project ID:

Sampler Signature: _____ Circle One Event: Daily Weekly Monthly

Quarterly Semi-Annual Annual N/A

| Sample # | Sample ID | Collect Date | Collect Time | Matrix Code ^ | Composite or Grab | Field Filtered | Total # of containers | # Cont | Lab Only: | COMPLETE PRIORITY POLLUTANT | DIOXIN | GROSS ALPHA | GROSS BETA | RADIUM | 234+238 | PHENOL 625 | BIL AND GEBASE | PHENOL 420.1 | VOLATILES 624 | Hold Sample (CALL) | Additions: |
|----------|---------------------|--------------|--------------|---------------|-------------------|----------------|-----------------------|--------|-----------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|------------|
| 1 | SD-PLANT 1 INFLUENT | 2/18/11 | 24hr | NW | C | | 3 | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2 | SD-PLANT 1 INFLUENT | 2/18/11 | 0810 | NW | G | | 5 | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 4 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 5 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 6 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 7 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 8 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 9 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 10 | | | | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

TAT Work Days = D Need results by: _____ Time: _____

Std (5-10D) 6Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other _____



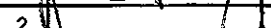





ANALYSES REQUESTED

Cont Type: _____

Pres Type: _____

REMARKS

Please include
Molybdenum
Dibromooetane
2-methyl-4,6-dinitrophenol
2,3,7,8-tetrachlorodibenzo
-P-Dioxin
Mercury

| Reg. Program / Clean-up Std | | | | | | STATE for Certs & Regs | | | | | | QA/QC Level & Certification | | | | | | EDDs | | | COC & Labels | | Coolers Temp °C | | Lab Use Only | | YES | NO | N/A | | |
|--|------|----|-------|------|--------|------------------------|----|----|----|--------|----|-----------------------------|-------|---|------|----------|--------|---|------|-------|--------------|--------|-----------------|------------|--------------|----|------------------------------------|------------------------------|-----|--|--|
| CTLs | TRRP | DW | NPDES | LPST | DryCin | FL | TX | GA | NC | SC | NJ | PA | 1 | 2 | 3 | 4 | CLP | AFCEE | QAPP | ADAPT | SEDD | ERPIMS | Match | Incomplete | 1. | 2. | 3. | Non-Conformances found? | | | |
| Other: | | | | | | OK | LA | AL | IL | Other: | | | NELAC | | | DoD-ELAP | Other: | | | XLS | Other: | | Absent | Unclear | | | | Samples intact upon arrival? | | | |
| Relinquished by | | | | | | Affiliation | | | | | | Date | | | Time | | | Received by | | | Affiliation | | Date | | Time | | Received on Wet Ice? | | | | |
| 1  | | | | | | PDWASD | | | | | | 2/18/11 | | | 1203 | | |  | | | XENCO | | 2/18/11 | | 1803 | | Labeled with proper preservatives? | | | | |
| 2  | | | | | | Zeno | | | | | | 2/18/11 | | | 1560 | | |  | | | Zeno | | 2/18/11 | | 1560 | | Received within holding time? | | | | |
| 3  | | | | | | Zeno | | | | | | 2/18/11 | | | 1630 | | |  | | | Zeno | | 2/18/11 | | 1630 | | Customary seals intact? | | | | |
| 4  | | | | | | Zeno | | | | | | 2/18/11 | | | 1800 | | |  | | | XENCO | | 2/18/11 | | 1800 | | VOCs rec'd w/o headspace? | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Proper containers used? | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | pH verified-acceptable, excl VOCs? | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Received on time to meet HTS? | | | | |

FTS: Philadelphia 610-955-5649 South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371 Dallas 214-902-0300 Houston 281-240-4200 Odessa 432-563-1800 San Antonio 210-509-3334

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.

Property of XENCO - Revision Date: Nov 12, 2009

C.O.C. Serial #
290954

XENCO LABORATORIES

Container Receipt Verification Form

Work Order Number: _____

407307

Chain of Custody Number(s): _____

Page 33 of 33

Final 1.001

| Tests | Container Type/ Pres. | gal GA/ 32oz NM GA 32oz NM GA 32oz NM GA 32oz W/M GA VOA VOA VOA 120mL P w. Pill/ 4oz Plastic/ 4oz Plastic/ 250mL HDPE/ 250mL HDPE/ 500mL HDPE/ 500mL HDPE/ 500mL HDPE/ 1L HDPE/ 1L HDPE/ 9oz GC/ 9oz GC/ 9oz GC/ 4oz GC/ 4oz GC/ 2oz GC/ 2oz GC/ Tedlar Bag Ampules/ Other/ Comments |
|-------|--------------------------|---|
| 1 | 2 | 32oz NM GA cool test, 600, 625 |
| 2 | 1 | 32oz NM GA Reg 0/6 |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

Abbreviations:

Gal GA = One gallon amber
32oz NM GA = 32 oz Amberglass
VOA = 40mL vials
32oz W/M GA = 32 oz Wide Mouth Amberglass

1L HDPE = 1L (1000mL) Plastic Bottle
500mL HDPE = 500mL Plastic Bottle
250mL HDPE = 250mL Plastic Bottle

8oz GC = 8oz Soil Jar
4oz GC = 4oz Soil Jar
2oz GC = 2oz soil jar

120mL Plastic w. Pill = BacT
Zip = Ziplock Bag
4oz Plastic = 4oz Plastic Bottle

HCl = Hydrochloric Acid
H2SO4 = Sulfuric Acid
NaOH = Sodium Hydroxide
MeOH = Methanol
HNO3 = Nitric Acid
ZnAC = Zinc Acetate
Na2S2O3 = Sodium Thiosulfate

NH4Cl2 = Ammonium Chloride
DI H2O = DI Water
MCAA = Monochloroacetic Acid

Reviewed By: _____

Analytical Report 407308

for

Miami Dade Water & Sewer-South District

Project Manager: CLIVE POWELL

ANNUAL PRIORITY POLLUTANTS

09-MAR-11



Genapure™
Analytical Services, Inc.



3231 NW 7th Avenue, Boca Raton, FL 33431

Ph:(561) 447-7373 Fax:(561) 447-6136

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
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North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)



09-MAR-11

Project Manager: **CLIVE POWELL**
Miami Dade Water & Sewer-South District
8950 SW 232 Street
Miami, FL 33190

Reference: XENCO Report No: **407308**
ANNUAL PRIORITY POLLUTANTS
Project Address:

CLIVE POWELL:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 407308. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 407308 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Mike Kimmel

Office Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

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Sample Cross Reference 407308

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|--------|-----------------|--------------|---------------|
| SD Dewatering Cake | S | Feb-18-11 10:10 | | 407308-001 |



CASE NARRATIVE SUMMARY



Client Name: *Miami Dade Water & Sewer-South D*
Project Name: *ANNUAL PRIORITY POLLUTANTS*

Project ID:
Work Order Number: 407308

Report Date: 09-MAR-11
Date Received: 18-FEB-11

Batch 845292 8270: Spike Recovery in the LCS was outside method control limits for compounds flagged with "J". Analytes were BDL. NELAC criteria allows 5 compounds to have spike recovery outside method control limits when full list 8270 is spiked.

Batch 845040 8081: % RPD was outside method control limits between the MS and MSD in the spiked parent sample-407308-001. LCS recovery passed for compounds. Affected compounds flagged with "J2".

Batch 846051 8151-TCLP: % RPD was outside method control limits between the MS and MSD in the spiked parent sample-407308-001. LCS recovery passed for compounds. Affected compounds flagged with "J2".

Batch 845078 8260 TCLP: 2- Butanone had spike recovery above method criteria in the LCS. Analyte is BDL, compound flagged with "J".

Mike Kimmel
Office Manager

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: 83.5 |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | Basis: Dry Weight |
| | Date Received: Feb-18-11 18:00 | |

| | |
|---|-----------------------------------|
| Analytical Method: ICP Metals by SW846 6010B | Prep Method: SW3050B |
| Analyst: IST | Date Prep: Feb-24-11 12:30 |
| Seq Number: 846275 | Tech: RWA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------|------------|--------|------|-------|-------|----------------|------|-----|
| Antimony | 7440-36-0 | 3.85 | 12.1 | 2.60 | mg/kg | 03/01/11 07:18 | I | 1 |
| Arsenic | 7440-38-2 | U | 6.05 | 3.02 | mg/kg | 03/01/11 07:18 | U | 1 |
| Beryllium | 7440-41-7 | U | 2.42 | 0.665 | mg/kg | 03/01/11 07:18 | U | 1 |
| Cadmium | 7440-43-9 | 1.62 | 3.02 | 1.03 | mg/kg | 03/01/11 07:18 | I | 1 |
| Chromium | 7440-47-3 | 18.6 | 6.05 | 1.33 | mg/kg | 03/01/11 07:18 | | 1 |
| Copper | 7440-50-8 | 338 | 12.1 | 2.60 | mg/kg | 03/01/11 07:18 | | 1 |
| Lead | 7439-92-1 | 12.1 | 6.05 | 2.84 | mg/kg | 03/01/11 07:18 | | 1 |
| Molybdenum | 7439-98-7 | 14.6 | 6.05 | 0.907 | mg/kg | 03/01/11 07:18 | | 1 |
| Nickel | 7440-02-0 | 10.8 | 6.05 | 0.563 | mg/kg | 03/01/11 07:18 | | 1 |
| Selenium | 7782-49-2 | 9.11 | 18.1 | 3.75 | mg/kg | 03/01/11 07:18 | I | 1 |
| Silver | 7440-22-4 | 12.8 | 12.1 | 4.29 | mg/kg | 03/01/11 07:18 | | 1 |
| Thallium | 7440-28-0 | U | 12.1 | 2.78 | mg/kg | 03/01/11 07:18 | U | 1 |
| Zinc | 7440-66-6 | 1070 | 18.1 | 9.07 | mg/kg | 03/01/11 07:18 | | 1 |

| | |
|---|-----------------------------------|
| Analytical Method: Mercury by SW-846 7471A | Prep Method: SW7471P |
| Analyst: SOA | Date Prep: Feb-22-11 09:00 |
| Seq Number: 844702 | Tech: SOA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-------|--------|-------|----------------|------|-----|
| Mercury | 7439-97-6 | 1.39 | 0.202 | 0.0642 | mg/kg | 02/22/11 11:46 | | 1 |

| | |
|---|------------------|
| Analytical Method: Phenolics (Colorimetric, Automated 4-AAP With Distillation) | Tech: RPO |
| Analyst: MID | |
| Seq Number: 845193 | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|------|-------|----------------|------|-----|
| Phenolic | | 14.7 | 3.03 | 1.27 | mg/kg | 02/24/11 16:35 | | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: 83.5 |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | Basis: Dry Weight |
| | Date Received: Feb-18-11 18:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: SVOCs by SW846 8270C | Prep Method: SW3550 |
| Analyst: JEZ | Date Prep: Feb-24-11 07:00 |
| Seq Number: 845292 | Tech: LUA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-------------------------------------|------------|--------|-------|--------|-------|----------------|------|-----|
| Acenaphthene | 83-32-9 | U | 0.606 | 0.133 | mg/kg | 02/24/11 16:31 | U | 1 |
| Acenaphthylene | 208-96-8 | U | 0.606 | 0.182 | mg/kg | 02/24/11 16:31 | U | 1 |
| Aniline (Phenylamine, Aminobenzene) | 62-53-3 | 0.331 | 2.02 | 0.188 | mg/kg | 02/24/11 16:31 | I | 1 |
| Anthracene | 120-12-7 | U | 0.606 | 0.212 | mg/kg | 02/24/11 16:31 | U | 1 |
| Benzo(a)anthracene | 56-55-3 | 0.438 | 0.606 | 0.170 | mg/kg | 02/24/11 16:31 | I | 1 |
| Benzo(a)pyrene | 50-32-8 | U | 0.400 | 0.152 | mg/kg | 02/24/11 16:31 | U | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 0.533 | 0.606 | 0.121 | mg/kg | 02/24/11 16:31 | I | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | U | 0.606 | 0.164 | mg/kg | 02/24/11 16:31 | U | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 0.410 | 0.606 | 0.200 | mg/kg | 02/24/11 16:31 | I | 1 |
| Benzoic Acid | 65-85-0 | U | 6.06 | 0.139 | mg/kg | 02/24/11 16:31 | UJ | 1 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin | 1746-01-6 | ND | | | | 02/24/11 16:31 | | 1 |
| Benzyl Alcohol | 100-51-6 | U | 2.02 | 0.127 | mg/kg | 02/24/11 16:31 | U | 1 |
| Benzyl Butyl Phthalate | 85-68-7 | U | 0.606 | 0.115 | mg/kg | 02/24/11 16:31 | U | 1 |
| bis(2-chloroethoxy) methane | 111-91-1 | U | 0.606 | 0.164 | mg/kg | 02/24/11 16:31 | U | 1 |
| bis(2-chloroethyl) ether | 111-44-4 | U | 0.606 | 0.188 | mg/kg | 02/24/11 16:31 | U | 1 |
| bis(2-chloroisopropyl) ether | 108-60-1 | U | 0.606 | 0.115 | mg/kg | 02/24/11 16:31 | U | 1 |
| bis(2-ethylhexyl) phthalate | 117-81-7 | 8.52 | 2.02 | 0.133 | mg/kg | 02/24/11 16:31 | | 1 |
| 4-Bromophenyl-phenylether | 101-55-3 | U | 0.606 | 0.182 | mg/kg | 02/24/11 16:31 | U | 1 |
| di-n-Butyl Phthalate | 84-74-2 | U | 0.606 | 0.194 | mg/kg | 02/24/11 16:31 | U | 1 |
| Carbazole | 86-74-8 | U | 0.606 | 0.200 | mg/kg | 02/24/11 16:31 | U | 1 |
| 4-chloro-3-methylphenol | 59-50-7 | U | 2.02 | 0.152 | mg/kg | 02/24/11 16:31 | U | 1 |
| 4-Chloroaniline | 106-47-8 | 3.80 | 2.02 | 0.176 | mg/kg | 02/24/11 16:31 | | 1 |
| 2-Chloronaphthalene | 91-58-7 | U | 0.606 | 0.127 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2-Chlorophenol | 95-57-8 | U | 2.02 | 0.206 | mg/kg | 02/24/11 16:31 | U | 1 |
| 4-Chlorophenyl Phenyl Ether | 7005-72-3 | U | 0.606 | 0.121 | mg/kg | 02/24/11 16:31 | U | 1 |
| Chrysene | 218-01-9 | 0.669 | 0.606 | 0.139 | mg/kg | 02/24/11 16:31 | | 1 |
| Dibenz(a,h)anthracene | 53-70-3 | U | 0.400 | 0.164 | mg/kg | 02/24/11 16:31 | U | 1 |
| Dibenzofuran | 132-64-9 | U | 2.02 | 0.170 | mg/kg | 02/24/11 16:31 | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 0.606 | 0.145 | mg/kg | 02/24/11 16:31 | U | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 0.352 | 0.606 | 0.145 | mg/kg | 02/24/11 16:31 | I | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | U | 0.606 | 0.115 | mg/kg | 02/24/11 16:31 | U | 1 |
| 3,3-Dichlorobenzidine | 91-94-1 | U | 4.04 | 0.115 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2,4-Dichlorophenol | 120-83-2 | U | 2.02 | 0.194 | mg/kg | 02/24/11 16:31 | U | 1 |
| Diethyl Phthalate | 84-66-2 | U | 0.606 | 0.188 | mg/kg | 02/24/11 16:31 | U | 1 |
| Dimethyl Phthalate | 131-11-3 | U | 0.606 | 0.0182 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2,4-Dimethylphenol | 105-67-9 | U | 2.02 | 0.133 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2,4-Dinitrophenol | 51-28-5 | U | 6.06 | 0.261 | mg/kg | 02/24/11 16:31 | UJ | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | U | 0.606 | 0.173 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | U | 0.606 | 0.176 | mg/kg | 02/24/11 16:31 | U | 1 |
| 1,2-Diphenylhydrazine | 122-66-7 | U | 0.606 | 0.164 | mg/kg | 02/24/11 16:31 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: 83.5 |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | Basis: Dry Weight |
| | Date Received: Feb-18-11 18:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: SVOCs by SW846 8270C | Prep Method: SW3550 |
| Analyst: JEZ | Date Prep: Feb-24-11 07:00 |
| Seq Number: 845292 | Tech: LUA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------------------------|------------|--------|-------|--------|-------|----------------|------|-----|
| 4,6-dinitro-2-methyl phenol | 534-52-1 | U | 6.06 | 0.145 | mg/kg | 02/24/11 16:31 | UJ | 1 |
| Fluoranthene | 206-44-0 | 0.917 | 0.606 | 0.230 | mg/kg | 02/24/11 16:31 | | 1 |
| Fluorene | 86-73-7 | U | 0.606 | 0.139 | mg/kg | 02/24/11 16:31 | U | 1 |
| Hexachlorobenzene | 118-74-1 | U | 0.606 | 0.139 | mg/kg | 02/24/11 16:31 | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 0.606 | 0.152 | mg/kg | 02/24/11 16:31 | U | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | U | 0.606 | 0.127 | mg/kg | 02/24/11 16:31 | U | 1 |
| Hexachloroethane | 67-72-1 | U | 0.606 | 0.164 | mg/kg | 02/24/11 16:31 | U | 1 |
| Isophorone | 78-59-1 | U | 0.606 | 0.139 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2-Methylnaphthalene | 91-57-6 | U | 1.21 | 0.170 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2-methylphenol | 95-48-7 | U | 2.02 | 0.212 | mg/kg | 02/24/11 16:31 | U | 1 |
| 1-Methylnaphthalene | 90-12-0 | U | 0.606 | 0.164 | mg/kg | 02/24/11 16:31 | U | 1 |
| 3&4-Methylphenol | | U | 2.02 | 0.0206 | mg/kg | 02/24/11 16:31 | UJ | 1 |
| Naphthalene | 91-20-3 | U | 0.606 | 0.127 | mg/kg | 02/24/11 16:31 | U | 1 |
| 4-Nitroaniline | 100-01-6 | U | 6.06 | 0.218 | mg/kg | 02/24/11 16:31 | U | 1 |
| 3-Nitroaniline | 99-09-2 | U | 6.06 | 0.115 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2-Nitroaniline | 88-74-4 | U | 6.06 | 0.109 | mg/kg | 02/24/11 16:31 | U | 1 |
| Nitrobenzene | 98-95-3 | U | 0.606 | 0.170 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2-Nitrophenol | 88-75-5 | U | 2.02 | 0.109 | mg/kg | 02/24/11 16:31 | U | 1 |
| 4-Nitrophenol | 100-02-7 | U | 6.06 | 0.200 | mg/kg | 02/24/11 16:31 | U | 1 |
| n-Octadecane * | 593-45-3 | U | 0.606 | 0.0646 | mg/kg | 02/24/11 16:31 | U | 1 |
| di-n-Octyl Phthalate | 117-84-0 | U | 0.606 | 0.273 | mg/kg | 02/24/11 16:31 | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 6.06 | 0.152 | mg/kg | 02/24/11 16:31 | UJ | 1 |
| Phenanthrene | 85-01-8 | 0.251 | 0.606 | 0.194 | mg/kg | 02/24/11 16:31 | I | 1 |
| Phenol | 108-95-2 | U | 2.02 | 0.206 | mg/kg | 02/24/11 16:31 | U | 1 |
| Pyrene | 129-00-0 | 0.913 | 0.606 | 0.200 | mg/kg | 02/24/11 16:31 | | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 0.606 | 0.158 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 2.02 | 0.170 | mg/kg | 02/24/11 16:31 | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 2.02 | 0.164 | mg/kg | 02/24/11 16:31 | U | 1 |
| Indeno(1,2,3-c,d)Pyrene | 193-39-5 | U | 0.606 | 0.206 | mg/kg | 02/24/11 16:31 | U | 1 |
| N-Nitrosodimethylamine | 62-75-9 | U | 2.02 | 0.261 | mg/kg | 02/24/11 16:31 | U | 1 |
| N-Nitrosodi-n-Propylamine | 621-64-7 | U | 0.606 | 0.206 | mg/kg | 02/24/11 16:31 | U | 1 |
| N-Nitrosodiphenylamine | 86-30-6 | U | 0.606 | 0.121 | mg/kg | 02/24/11 16:31 | U | 1 |

| | |
|---|------------------|
| Analytical Method: Total Cyanide (Colorimetric, Automated UV) by SW-846 9012 | Tech: DAH |
| Analyst: DAH | |
| Seq Number: 844869 | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|----------------|------------|--------|-------|-------|-------|----------------|------|-----|
| Cyanide, Total | 57-12-5 | 1.19 | 0.582 | 0.166 | mg/kg | 02/23/11 13:21 | | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: 83.5 |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | Basis: Dry Weight |
| | Date Received: Feb-18-11 18:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: PCBs by EPA 8082 | Prep Method: SW3550 |
| Analyst: JAN | Date Prep: Feb-23-11 07:00 |
| Seq Number: 845526 | Tech: LUA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|-----|------|-------|----------------|------|-----|
| PCB-1016 | 12674-11-2 | U | 103 | 12.5 | ug/kg | 02/25/11 23:34 | U | 1 |
| PCB-1221 | 11104-28-2 | U | 103 | 76.8 | ug/kg | 02/25/11 23:34 | U | 1 |
| PCB-1232 | 11141-16-5 | U | 103 | 27.3 | ug/kg | 02/25/11 23:34 | U | 1 |
| PCB-1242 | 53469-21-9 | U | 103 | 29.3 | ug/kg | 02/25/11 23:34 | U | 1 |
| PCB-1248 | 12672-29-6 | U | 103 | 53.5 | ug/kg | 02/25/11 23:34 | U | 1 |
| PCB-1254 | 11097-69-1 | U | 103 | 17.2 | ug/kg | 02/25/11 23:34 | U | 1 |
| PCB-1260 | 11096-82-5 | U | 103 | 16.2 | ug/kg | 02/25/11 23:34 | U | 1 |

| | |
|--|-----------------------------------|
| Analytical Method: Organochlorine Pesticides by EPA 8081A | Prep Method: SW3550 |
| Analyst: JGO | Date Prep: Feb-23-11 07:00 |
| Seq Number: 845040 | Tech: LUA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|---------------------|------------|--------|------|-------|-------|----------------|------|-----|
| 4,4-DDD | 72-54-8 | U | 20.0 | 0.889 | ug/kg | 02/24/11 03:42 | U | 1 |
| 4,4-DDE | 72-55-9 | U | 20.0 | 1.02 | ug/kg | 02/24/11 03:42 | U | 1 |
| 4,4-DDT | 50-29-3 | U | 20.0 | 2.19 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Aldrin | 309-00-2 | U | 10.3 | 0.798 | ug/kg | 02/24/11 03:42 | U | 1 |
| Alpha-BHC | 319-84-6 | U | 10.3 | 2.05 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Alpha-Chlordane | 5103-71-9 | U | 10.3 | 1.15 | ug/kg | 02/24/11 03:42 | U | 1 |
| Beta-BHC | 319-85-7 | U | 10.3 | 1.36 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Chlordane | 57-74-9 | U | 606 | 38.2 | ug/kg | 02/24/11 03:42 | U | 1 |
| Delta-BHC | 319-86-8 | U | 10.3 | 2.66 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Dieldrin | 60-57-1 | U | 10.3 | 0.909 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Endosulfan I | 959-98-8 | U | 20.0 | 1.02 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Endosulfan II | 33213-65-9 | U | 20.0 | 1.87 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Endosulfan Sulfate | 1031-07-8 | U | 20.0 | 0.333 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Endrin | 72-20-8 | U | 20.0 | 1.04 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Endrin Aldehyde | 7421-93-4 | U | 20.0 | 0.990 | ug/kg | 02/24/11 03:42 | U | 1 |
| Endrin Ketone | 53494-70-5 | U | 10.3 | 0.848 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 10.3 | 3.16 | ug/kg | 02/24/11 03:42 | U | 1 |
| Gamma-Chlordane | 5566-34-7 | U | 10.3 | 0.818 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Heptachlor | 76-44-8 | U | 10.3 | 1.27 | ug/kg | 02/24/11 03:42 | U | 1 |
| Heptachlor Epoxide | 1024-57-3 | U | 10.3 | 1.18 | ug/kg | 02/24/11 03:42 | U | 1 |
| Methoxychlor | 72-43-5 | U | 10.3 | 1.90 | ug/kg | 02/24/11 03:42 | UJ2 | 1 |
| Toxaphene | 8001-35-2 | U | 606 | 56.7 | ug/kg | 02/24/11 03:42 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: 83.5 |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | Basis: Dry Weight |
| | Date Received: Feb-18-11 18:00 | |

| Analytical Method: VOAs by SW-846 8260B | | | | Prep Method: SW5035 | | | | |
|---|------------|----------------------------|--------|---------------------|-----------|----------------|------|-----|
| Analyst: ROL | | Date Prep: Feb-23-11 20:19 | | | Tech: JTA | | | |
| Seq Number: 845082 | | | | | | | | |
| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | U | 0.0606 | 0.00812 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | U | 0.0303 | 0.0168 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | U | 0.0303 | 0.0131 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | U | 0.0606 | 0.00845 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,1-Dichloroethane | 75-34-3 | U | 0.0606 | 0.00372 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,1-Dichloroethene | 75-35-4 | U | 0.0909 | 0.0134 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,1-Dichloropropene | 563-58-6 | U | 0.0303 | 0.00909 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,2,3-Trichlorobenzene | 87-61-6 | U | 0.152 | 0.0164 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | U | 0.0606 | 0.00724 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 0.0909 | 0.00612 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.0373 | 0.121 | 0.00398 | mg/kg | 02/24/11 03:04 | I | 1 |
| 1,2-Dibromo-3-Chloropropane | 96-12-8 | U | 0.152 | 0.0133 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 0.0606 | 0.00512 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,2-Dichloroethane | 107-06-2 | U | 0.0606 | 0.0156 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,2-Dichloropropane | 78-87-5 | U | 0.0606 | 0.00362 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 0.0185 | 0.0303 | 0.00636 | mg/kg | 02/24/11 03:04 | I | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | U | 0.0606 | 0.00714 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,3-Dichloropropane | 142-28-9 | U | 0.121 | 0.00429 | mg/kg | 02/24/11 03:04 | U | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 0.792 | 0.0606 | 0.00688 | mg/kg | 02/24/11 03:04 | I | 1 |
| 2,2-Dichloropropane | 594-20-7 | U | 0.0606 | 0.00728 | mg/kg | 02/24/11 03:04 | U | 1 |
| Methyl ethyl ketone | 78-93-3 | 0.278 | 0.636 | 0.156 | mg/kg | 02/24/11 03:04 | I | 1 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | U | 0.303 | 0.0120 | mg/kg | 02/24/11 03:04 | U | 1 |
| 2-Chlorotoluene | 95-49-8 | U | 0.0606 | 0.00559 | mg/kg | 02/24/11 03:04 | U | 1 |
| 2-Hexanone | 591-78-6 | U | 0.273 | 0.0272 | mg/kg | 02/24/11 03:04 | U | 1 |
| 4-Chlorotoluene | 106-43-4 | U | 0.0303 | 0.00435 | mg/kg | 02/24/11 03:04 | U | 1 |
| 4-Methyl-2-Pentanone | 108-10-1 | U | 0.212 | 0.103 | mg/kg | 02/24/11 03:04 | U | 1 |
| Acetone | 67-64-1 | 1.84 | 0.606 | 0.142 | mg/kg | 02/24/11 03:04 | I | 1 |
| Acrolein | 107-02-8 | U | 0.303 | 0.0384 | mg/kg | 02/24/11 03:04 | U | 1 |
| Acrylonitrile | 107-13-1 | U | 0.273 | 0.0359 | mg/kg | 02/24/11 03:04 | U | 1 |
| Benzene | 71-43-2 | U | 0.0303 | 0.0139 | mg/kg | 02/24/11 03:04 | U | 1 |
| Bromobenzene | 108-86-1 | U | 0.0606 | 0.00706 | mg/kg | 02/24/11 03:04 | U | 1 |
| Bromochloromethane | 74-97-5 | U | 0.0606 | 0.00602 | mg/kg | 02/24/11 03:04 | U | 1 |
| Bromodichloromethane | 75-27-4 | U | 0.0606 | 0.00350 | mg/kg | 02/24/11 03:04 | U | 1 |
| Bromoform | 75-25-2 | U | 0.0303 | 0.0158 | mg/kg | 02/24/11 03:04 | U | 1 |
| Methyl bromide | 74-83-9 | U | 0.152 | 0.0146 | mg/kg | 02/24/11 03:04 | U | 1 |
| Carbon Disulfide | 75-15-0 | U | 0.303 | 0.0715 | mg/kg | 02/24/11 03:04 | U | 1 |
| Carbon Tetrachloride | 56-23-5 | U | 0.0606 | 0.0106 | mg/kg | 02/24/11 03:04 | U | 1 |
| Chlorobenzene | 108-90-7 | U | 0.0606 | 0.00387 | mg/kg | 02/24/11 03:04 | U | 1 |
| Chloroethane | 75-00-3 | U | 0.0606 | 0.0156 | mg/kg | 02/24/11 03:04 | U | 1 |
| Chloroform | 67-66-3 | U | 0.0303 | 0.0163 | mg/kg | 02/24/11 03:04 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: 83.5 |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | Basis: Dry Weight |
| | Date Received: Feb-18-11 18:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: VOAs by SW-846 8260B | Prep Method: SW5035 |
| Analyst: ROL | Date Prep: Feb-23-11 20:19 |
| Seq Number: 845082 | Tech: JTA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-------------------------------|-------------|--------|--------|---------|-------|----------------|------|-----|
| Methyl Chloride | 74-87-3 | U | 0.0606 | 0.00694 | mg/kg | 02/24/11 03:04 | U | 1 |
| cis-1,2-Dichloroethylene | 156-59-2 | U | 0.0303 | 0.00537 | mg/kg | 02/24/11 03:04 | U | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | U | 0.0606 | 0.00820 | mg/kg | 02/24/11 03:04 | U | 1 |
| Dibromochloromethane | 124-48-1 | U | 0.121 | 0.00930 | mg/kg | 02/24/11 03:04 | U | 1 |
| Methylene bromide | 74-95-3 | U | 0.0606 | 0.0107 | mg/kg | 02/24/11 03:04 | U | 1 |
| Dichlorodifluoromethane | 75-71-8 | U | 0.0606 | 0.00810 | mg/kg | 02/24/11 03:04 | U | 1 |
| Ethylbenzene | 100-41-4 | 0.0355 | 0.0303 | 0.00372 | mg/kg | 02/24/11 03:04 | | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 0.152 | 0.00974 | mg/kg | 02/24/11 03:04 | U | 1 |
| Methyl iodide | 74-88-4 | U | 0.333 | 0.00841 | mg/kg | 02/24/11 03:04 | U | 1 |
| Isopropylbenzene | 98-82-8 | U | 0.0303 | 0.00384 | mg/kg | 02/24/11 03:04 | U | 1 |
| m,p-Xylenes | 179601-23-1 | U | 0.0909 | 0.00729 | mg/kg | 02/24/11 03:04 | U | 1 |
| Methylene Chloride | 75-09-2 | U | 0.121 | 0.0117 | mg/kg | 02/24/11 03:04 | U | 1 |
| MTBE | 1634-04-4 | U | 0.0303 | 0.00484 | mg/kg | 02/24/11 03:04 | U | 1 |
| Naphthalene | 91-20-3 | U | 0.242 | 0.00859 | mg/kg | 02/24/11 03:04 | U | 1 |
| n-Butylbenzene | 104-51-8 | U | 0.0303 | 0.00453 | mg/kg | 02/24/11 03:04 | U | 1 |
| n-Propylbenzene | 103-65-1 | U | 0.0606 | 0.00336 | mg/kg | 02/24/11 03:04 | U | 1 |
| o-Xylene | 95-47-6 | 0.0164 | 0.0303 | 0.00482 | mg/kg | 02/24/11 03:04 | I | 1 |
| p-Cymene (p-Isopropyltoluene) | 99-87-6 | 1.32 | 0.0303 | 0.00693 | mg/kg | 02/24/11 03:04 | | 1 |
| Sec-Butylbenzene | 135-98-8 | 0.0262 | 0.0303 | 0.00605 | mg/kg | 02/24/11 03:04 | I | 1 |
| Styrene | 100-42-5 | U | 0.0303 | 0.00680 | mg/kg | 02/24/11 03:04 | U | 1 |
| tert-Butylbenzene | 98-06-6 | U | 0.0303 | 0.00453 | mg/kg | 02/24/11 03:04 | U | 1 |
| Tetrachloroethylene | 127-18-4 | U | 0.0606 | 0.0172 | mg/kg | 02/24/11 03:04 | U | 1 |
| Toluene | 108-88-3 | 0.121 | 0.0606 | 0.0275 | mg/kg | 02/24/11 03:04 | | 1 |
| trans-1,2-dichloroethylene | 156-60-5 | U | 0.0606 | 0.0156 | mg/kg | 02/24/11 03:04 | U | 1 |
| trans-1,3-dichloropropene | 10061-02-6 | U | 0.0606 | 0.00484 | mg/kg | 02/24/11 03:04 | U | 1 |
| Trichloroethylene | 79-01-6 | U | 0.0606 | 0.0153 | mg/kg | 02/24/11 03:04 | U | 1 |
| Trichlorofluoromethane | 75-69-4 | U | 0.0606 | 0.00403 | mg/kg | 02/24/11 03:04 | U | 1 |
| Vinyl Acetate | 108-05-4 | U | 0.0909 | 0.0105 | mg/kg | 02/24/11 03:04 | U | 1 |
| Vinyl Chloride | 75-01-4 | U | 0.0303 | 0.00835 | mg/kg | 02/24/11 03:04 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | Basis: Wet Weight |
| | Date Received: Feb-18-11 18:00 | |

| | | |
|--|---------------------------|------------------|
| Analytical Method: Percent Moisture | Analyst: ARM | Tech: ARM |
| | Seq Number: 844733 | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|------------------|------------|--------|------|------|-------|----------------|------|-----|
| Percent Moisture | TMOIST | 83.5 | 1.00 | 1.00 | % | 02/22/11 09:48 | | 1 |

| | | |
|--|---------------------------|------------------|
| Analytical Method: Paint Filter Liquids Test by SW-9095 | Analyst: RGF | Tech: RGF |
| | Seq Number: 845230 | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|--------------|------------|--------|----|-----|-------|----------------|------|-----|
| Paint Filter | PAIFILTER | Pass | | | | 02/25/11 09:00 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | | |
|---|------------|---------|---------------------------------|-----------|-------|--------------------------|------|-----|
| Sample Id: SD Dewatering Cake | | | Matrix: Soil | | | % Moisture: | | |
| Lab Sample Id: 407308-001 | | | Date Collected: Feb-18-11 10:10 | | | | | |
| | | | Date Received: Feb-18-11 18:00 | | | | | |
| Analytical Method: TCLP Herbicides by SW-846 1311/8151A | | | | | | Prep Method: SW8151A_EXT | | |
| Analyst: LER | | | Date Prep: Feb-28-11 14:00 | | | Tech: MBA | | |
| Seq Number: 846051 | | | | | | | | |
| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
| 2,4,5-TP (Silvex) | 93-72-1 | U | 0.100 | 0.0246 | mg/L | 03/02/11 18:46 | UJ2 | 1 |
| 2,4-D | 94-75-7 | U | 0.100 | 0.0203 | mg/L | 03/02/11 18:46 | UJ2 | 1 |
| Analytical Method: TCLP Mercury by SW1311/7470A | | | | | | Prep Method: SW7470P | | |
| Analyst: SOA | | | Date Prep: Feb-24-11 12:15 | | | Tech: SOA | | |
| Seq Number: 845113 | | | | | | | | |
| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
| Mercury | 7439-97-6 | U | 0.000200 | 0.0000593 | mg/L | 02/24/11 15:14 | U | 1 |
| Analytical Method: TCLP Metals by SW846-1311/6010B | | | | | | Prep Method: SW3010A | | |
| Analyst: IST | | | Date Prep: Feb-24-11 14:00 | | | Tech: TEM | | |
| Seq Number: 846788 | | | | | | | | |
| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
| Arsenic | 7440-38-2 | 0.0253 | 0.0100 | 0.00450 | mg/L | 03/02/11 07:02 | V | 1 |
| Barium | 7440-39-3 | 0.0343 | 0.0100 | 0.00210 | mg/L | 03/02/11 07:02 | V | 1 |
| Cadmium | 7440-43-9 | U | 0.00500 | 0.00110 | mg/L | 03/02/11 07:02 | U | 1 |
| Chromium | 7440-47-3 | 0.00307 | 0.00500 | 0.00260 | mg/L | 03/02/11 07:02 | VI | 1 |
| Lead | 7439-92-1 | U | 0.0100 | 0.00470 | mg/L | 03/02/11 07:02 | U | 1 |
| Selenium | 7782-49-2 | U | 0.0300 | 0.00670 | mg/L | 03/02/11 07:02 | U | 1 |
| Silver | 7440-22-4 | U | 0.0200 | 0.00540 | mg/L | 03/02/11 07:02 | U | 1 |
| Analytical Method: TCLP SVOCs by SW846 8270C | | | | | | Prep Method: SW3510C | | |
| Analyst: BAT | | | Date Prep: Feb-28-11 08:30 | | | Tech: HEA | | |
| Seq Number: 845636 | | | | | | | | |
| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
| 1,4-Dichlorobenzene | 106-46-7 | U | 0.0200 | 0.00140 | mg/L | 02/28/11 16:28 | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 0.0200 | 0.00190 | mg/L | 02/28/11 16:28 | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 0.00500 | 0.00140 | mg/L | 02/28/11 16:28 | U | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | U | 0.00225 | 0.00160 | mg/L | 02/28/11 16:28 | U | 1 |
| 2-methylphenol | 95-48-7 | U | 0.0200 | 0.00110 | mg/L | 02/28/11 16:28 | U | 1 |
| 3&4-Methylphenol | | U | 0.0200 | 0.00115 | mg/L | 02/28/11 16:28 | U | 1 |
| Hexachlorobenzene | 118-74-1 | U | 0.00500 | 0.00160 | mg/L | 02/28/11 16:28 | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 0.0200 | 0.00230 | mg/L | 02/28/11 16:28 | U | 1 |
| Hexachloroethane | 67-72-1 | U | 0.0200 | 0.00180 | mg/L | 02/28/11 16:28 | U | 1 |
| Nitrobenzene | 98-95-3 | U | 0.0100 | 0.00160 | mg/L | 02/28/11 16:28 | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 0.0500 | 0.00350 | mg/L | 02/28/11 16:28 | U | 1 |
| Pyridine | 110-86-1 | U | 0.0500 | 0.0445 | mg/L | 02/28/11 16:28 | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | |
|--------------------------------------|--|--------------------|
| Sample Id: SD Dewatering Cake | Matrix: Soil | % Moisture: |
| Lab Sample Id: 407308-001 | Date Collected: Feb-18-11 10:10 | |
| | Date Received: Feb-18-11 18:00 | |

| | |
|--|-----------------------------------|
| Analytical Method: TCLP Pesticides by SW8081A | Prep Method: SW3510C |
| Analyst: JGO | Date Prep: Feb-24-11 13:00 |
| Seq Number: 845251 | Tech: HEA |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|---------------------|------------|--------|--------|----------|-------|----------------|------|-----|
| Heptachlor Epoxide | 1024-57-3 | U | 0.0125 | 0.000835 | mg/L | 02/25/11 02:19 | U | 1 |
| Chlordane | 57-74-9 | U | 0.250 | 0.0158 | mg/L | 02/25/11 02:19 | U | 1 |
| Endrin | 72-20-8 | U | 0.0250 | 0.00179 | mg/L | 02/25/11 02:19 | U | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 0.0125 | 0.00141 | mg/L | 02/25/11 02:19 | U | 1 |
| Heptachlor | 76-44-8 | U | 0.0125 | 0.00288 | mg/L | 02/25/11 02:19 | U | 1 |
| Methoxychlor | 72-43-5 | U | 0.0125 | 0.00365 | mg/L | 02/25/11 02:19 | U | 1 |
| Toxaphene | 8001-35-2 | U | 0.750 | 0.118 | mg/L | 02/25/11 02:19 | U | 1 |

| | |
|--|-----------------------------------|
| Analytical Method: TCLP VOAs by EPA 8260B | Prep Method: SW5030B |
| Analyst: ROL | Date Prep: Feb-21-11 16:00 |
| Seq Number: 845078 | Tech: ROL |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|----------------------|------------|---------|--------|---------|-------|----------------|------|-----|
| Benzene | 71-43-2 | U | 0.0500 | 0.0125 | mg/L | 02/23/11 16:34 | U | 50 |
| 2-Butanone | 78-93-3 | U | 0.500 | 0.0843 | mg/L | 02/23/11 16:34 | U | 50 |
| Carbon Tetrachloride | 56-23-5 | U | 0.0500 | 0.0114 | mg/L | 02/23/11 16:34 | U | 50 |
| Chlorobenzene | 108-90-7 | U | 0.0500 | 0.00882 | mg/L | 02/23/11 16:34 | U | 50 |
| Chloroform | 67-66-3 | 0.00831 | 0.0500 | 0.00609 | mg/L | 02/23/11 16:34 | VI | 50 |
| 1,2-Dichloroethane | 107-06-2 | U | 0.0500 | 0.00605 | mg/L | 02/23/11 16:34 | U | 50 |
| 1,1-Dichloroethene | 75-35-4 | U | 0.0500 | 0.00694 | mg/L | 02/23/11 16:34 | U | 50 |
| Tetrachloroethylene | 127-18-4 | U | 0.0500 | 0.00489 | mg/L | 02/23/11 16:34 | U | 50 |
| Trichloroethene | 79-01-6 | U | 0.0500 | 0.0179 | mg/L | 02/23/11 16:34 | U | 50 |
| Vinyl Chloride | 75-01-4 | U | 0.0500 | 0.00960 | mg/L | 02/23/11 16:34 | U | 50 |

FLORIDA Flagging Criteria

- A** Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.
- B** Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.
- F** When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.
- H** Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.
- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J** Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .
- J1: No known quality control criteria exist for the component;
 - J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);
 - J3: The sample matrix interfered with the ability to make any accurate determination;
 - J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).
 - J5: The field calibration verification did not meet calibration acceptance criteria.
 - J6: QC protocol not followed.

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

| Phone | Fax |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
| (972) 481-9999 | (972) 481-9998 |
| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

- K** Off-scale low. Actual value is known to be less than the value given. This code shall be used if:
1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or
 2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.
- L** Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- M** When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.
- N** Presumptive evidence of presence of material. This qualifier shall be used if:
1. The component has been tentatively identified based on mass spectral library search; or
 2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).
- O** Sampled, but analysis lost or not performed.
- Q** Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Indicates that the compound was analyzed for but not detected. This symbol shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).
- V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

| Phone | Fax |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
| (972) 481-9999 | (972) 481-9998 |
| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |

- Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z** Too many colonies were present for accurate counting. Historically, this condition has been reported as "too numerous to count" (TNTC). The "Z" qualifier code shall be reported when the total number of colonies of all types is more than 200 in all dilutions of the sample. When applicable to the observed test results, a numeric value for the colony count for the microorganism tested shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
- ?** Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
- * Not reported due to interference.

The following codes deal with certain aspects of field activities. The codes shall be used if the laboratory has knowledge of the specific sampling event. The codes shall be added by the organization collecting samples if they apply:

- D** The sample result was reported from a dilution.
- E** Indicates that extra samples were taken at composite stations.
- R** Significant rain in the past 48 hours. (Significant rain typically involves rain in excess of 1/2 inch within the past 48 hours.) This code shall be used when the rainfall might contribute to a lower than normal value.
- !** Data deviate from historically established concentration ranges.
- +** Outside XENCO's scope of NELAC accreditation

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| Phone | Fax |
|----------------|----------------|
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| (305) 823-8500 | (305) 823-8555 |

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Lab Batch #: 846051

Sample: 596434-1-BLK / BLK

Project ID:

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 03/02/11 14:17

SURROGATE RECOVERY STUDY

| TCLP Herbicides by SW-846 1311/8151A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 2,4-Dichlorophenylacetic Acid | 485 | 500 | 97 | 46-142 | |

Lab Batch #: 846051

Sample: 596434-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 03/02/11 14:47

SURROGATE RECOVERY STUDY

| TCLP Herbicides by SW-846 1311/8151A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 2,4-Dichlorophenylacetic Acid | 560.000 | 500 | 112 | 46-142 | |

Lab Batch #: 846051

Sample: 407308-001 S / MS

Batch: 1 Matrix: Soil

Units: ug/L

Date Analyzed: 03/02/11 17:46

SURROGATE RECOVERY STUDY

| TCLP Herbicides by SW-846 1311/8151A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 2,4-Dichlorophenylacetic Acid | 705.000 | 500 | 141 | 46-142 | |

Lab Batch #: 846051

Sample: 407308-001 SD / MSD

Batch: 1 Matrix: Soil

Units: ug/L

Date Analyzed: 03/02/11 18:16

SURROGATE RECOVERY STUDY

| TCLP Herbicides by SW-846 1311/8151A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 2,4-Dichlorophenylacetic Acid | 440.000 | 500 | 88 | 46-142 | |

Lab Batch #: 846051

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: ug/L

Date Analyzed: 03/02/11 18:46

SURROGATE RECOVERY STUDY

| TCLP Herbicides by SW-846 1311/8151A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 2,4-Dichlorophenylacetic Acid | 305 | 500 | 61 | 46-142 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Project ID:

Lab Batch #: 845040

Sample: 596116-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: ug/kg

Date Analyzed: 02/24/11 01:24

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides by EPA 8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 148 | 200 | 74 | 11-170 | |
| Tetrachloro-m-xylene | 127 | 200 | 64 | 15-157 | |

Lab Batch #: 845040

Sample: 596116-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: ug/kg

Date Analyzed: 02/24/11 02:03

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides by EPA 8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 116,000 | 200 | 58 | 11-170 | |
| Tetrachloro-m-xylene | 115,000 | 200 | 58 | 15-157 | |

Lab Batch #: 845040

Sample: 407308-001 S / MS

Batch: 1 Matrix: Soil

Units: ug/kg

Date Analyzed: 02/24/11 03:02

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides by EPA 8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 62,500 | 200 | 31 | 11-170 | |
| Tetrachloro-m-xylene | 60,600 | 200 | 22 | 15-157 | |

Lab Batch #: 845040

Sample: 407308-001 SD / MSD

Batch: 1 Matrix: Soil

Units: ug/kg

Date Analyzed: 02/24/11 03:22

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides by EPA 8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 94,700 | 200 | 47 | 11-170 | |
| Tetrachloro-m-xylene | 86,200 | 200 | 33 | 15-157 | |

Lab Batch #: 845040

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: ug/kg

Date Analyzed: 02/24/11 03:42

SURROGATE RECOVERY STUDY

| Organochlorine Pesticides by EPA 8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 63.5 | 200 | 32 | 11-170 | |
| Tetrachloro-m-xylene | 62.3 | 200 | 31 | 15-157 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Project ID:

Lab Batch #: 845526

Sample: 596119-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: ug/kg

Date Analyzed: 02/25/11 15:17

SURROGATE RECOVERY STUDY

| PCBs by EPA 8082 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| Tetrachloro-m-xylene | 25.5 | 33.3 | 77 | 37-124 | |
| Decachlorobiphenyl | 31.5 | 33.3 | 95 | 39-125 | |

Lab Batch #: 845526

Sample: 596119-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: ug/kg

Date Analyzed: 02/25/11 15:44

SURROGATE RECOVERY STUDY

| PCBs by EPA 8082 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| Tetrachloro-m-xylene | 25.000 | 33.3 | 75 | 37-124 | |
| Decachlorobiphenyl | 29.700 | 33.3 | 89 | 39-125 | |

Lab Batch #: 845526

Sample: 407122-002 S / MS

Batch: 1 Matrix: Soil

Units: ug/kg

Date Analyzed: 02/25/11 16:10

SURROGATE RECOVERY STUDY

| PCBs by EPA 8082 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| Tetrachloro-m-xylene | 21.200 | 33.3 | 64 | 37-124 | |
| Decachlorobiphenyl | 26.800 | 33.3 | 80 | 39-125 | |

Lab Batch #: 845526

Sample: 407122-002 SD / MSD

Batch: 1 Matrix: Soil

Units: ug/kg

Date Analyzed: 02/25/11 16:36

SURROGATE RECOVERY STUDY

| PCBs by EPA 8082 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| Tetrachloro-m-xylene | 20.000 | 33.3 | 60 | 37-124 | |
| Decachlorobiphenyl | 23.200 | 33.3 | 70 | 39-125 | |

Lab Batch #: 845526

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: ug/kg

Date Analyzed: 02/25/11 23:34

SURROGATE RECOVERY STUDY

| PCBs by EPA 8082 Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| Tetrachloro-m-xylene | 15.7 | 33.3 | 47 | 37-124 | |
| Decachlorobiphenyl | 18.5 | 33.3 | 56 | 39-125 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Project ID:

Lab Batch #: 845292

Sample: 596123-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 02/24/11 14:48

SURROGATE RECOVERY STUDY

| SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 1.47 | 1.67 | 88 | 64-104 | |
| 2-Fluorophenol | 2.99 | 3.33 | 90 | 60-102 | |
| Nitrobenzene-d5 | 1.50 | 1.67 | 90 | 63-105 | |
| Phenol-d6 | 3.06 | 3.33 | 92 | 60-102 | |
| Terphenyl-D14 | 1.57 | 1.67 | 94 | 57-122 | |
| 2,4,6-Tribromophenol | 2.74 | 3.33 | 82 | 58-119 | |

Lab Batch #: 845292

Sample: 596123-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 02/24/11 15:05

SURROGATE RECOVERY STUDY

| SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 1.35 | 1.67 | 81 | 64-104 | |
| 2-Fluorophenol | 2.72 | 3.33 | 82 | 60-102 | |
| Nitrobenzene-d5 | 1.29 | 1.67 | 77 | 63-105 | |
| Phenol-d6 | 2.86 | 3.33 | 86 | 60-102 | |
| Terphenyl-D14 | 1.43 | 1.67 | 86 | 57-122 | |
| 2,4,6-Tribromophenol | 2.83 | 3.33 | 85 | 58-119 | |

Lab Batch #: 845292

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 02/24/11 16:31

SURROGATE RECOVERY STUDY

| SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 1.09 | 1.67 | 65 | 64-104 | |
| 2-Fluorophenol | 1.94 | 3.33 | 58 | 60-102 | J |
| Nitrobenzene-d5 | 1.04 | 1.67 | 62 | 63-105 | J |
| Phenol-d6 | 2.12 | 3.33 | 64 | 60-102 | |
| Terphenyl-D14 | 1.12 | 1.67 | 67 | 57-122 | |
| 2,4,6-Tribromophenol | 2.25 | 3.33 | 68 | 58-119 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Lab Batch #: 845292

Sample: 407426-001 S / MS

Project ID:

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 02/24/11 20:50

SURROGATE RECOVERY STUDY

| SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 1.26 | 1.67 | 75 | 64-104 | |
| 2-Fluorophenol | 2.70 | 3.33 | 81 | 60-102 | |
| Nitrobenzene-d5 | 1.31 | 1.67 | 78 | 63-105 | |
| Phenol-d6 | 2.76 | 3.33 | 83 | 60-102 | |
| Terphenyl-D14 | 1.34 | 1.67 | 80 | 57-122 | |
| 2,4,6-Tribromophenol | 3.02 | 3.33 | 91 | 58-119 | |

Lab Batch #: 845292

Sample: 407426-001 SD / MSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 02/24/11 21:07

SURROGATE RECOVERY STUDY

| SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 1.35 | 1.67 | 81 | 64-104 | |
| 2-Fluorophenol | 2.76 | 3.33 | 83 | 60-102 | |
| Nitrobenzene-d5 | 1.37 | 1.67 | 82 | 63-105 | |
| Phenol-d6 | 2.83 | 3.33 | 85 | 60-102 | |
| Terphenyl-D14 | 1.41 | 1.67 | 84 | 57-122 | |
| 2,4,6-Tribromophenol | 3.17 | 3.33 | 95 | 58-119 | |

Lab Batch #: 845251

Sample: 596232-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 00:13

SURROGATE RECOVERY STUDY

| TCLP Pesticides by SW8081A Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|------------------|-----------------|-----------------|-------------------|-------|
| Decachlorobiphenyl | 127 | 100 | 127 | 11-170 | |
| Tetrachloro-m-xylene | 133 | 100 | 133 | 15-157 | |

Lab Batch #: 845251

Sample: 596232-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/25/11 00:34

SURROGATE RECOVERY STUDY

| TCLP Pesticides by SW8081A Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--|------------------|-----------------|-----------------|-------------------|-------|
| Decachlorobiphenyl | 126.000 | 100 | 126 | 11-170 | |
| Tetrachloro-m-xylene | 146.000 | 100 | 146 | 15-157 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Project ID:

Lab Batch #: 845251

Sample: 407144-001 S / MS

Batch: 1 Matrix: Sludge

Units: ug/L

Date Analyzed: 02/25/11 00:55

SURROGATE RECOVERY STUDY

| TCLP Pesticides by SW8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 143.000 | 100 | 143 | 11-170 | |
| Tetrachloro-m-xylene | 137.000 | 100 | 137 | 15-157 | |

Lab Batch #: 845251

Sample: 407144-001 SD / MSD

Batch: 1 Matrix: Sludge

Units: ug/L

Date Analyzed: 02/25/11 01:16

SURROGATE RECOVERY STUDY

| TCLP Pesticides by SW8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 150.000 | 100 | 150 | 11-170 | |
| Tetrachloro-m-xylene | 150.000 | 100 | 150 | 15-157 | |

Lab Batch #: 845251

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: ug/L

Date Analyzed: 02/25/11 02:19

SURROGATE RECOVERY STUDY

| TCLP Pesticides by SW8081A | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| Decachlorobiphenyl | 149 | 100 | 149 | 11-170 | |
| Tetrachloro-m-xylene | 150 | 100 | 150 | 15-157 | |

Lab Batch #: 845636

Sample: 596536-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 02/28/11 15:36

SURROGATE RECOVERY STUDY

| TCLP SVOCs by SW846 8270C | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 2-Fluorobiphenyl | 0.187 | 0.250 | 75 | 19-126 | |
| 2-Fluorophenol | 0.239 | 0.500 | 48 | 28-62 | |
| Nitrobenzene-d5 | 0.200 | 0.250 | 80 | 10-130 | |
| Phenol-d6 | 0.152 | 0.500 | 30 | 10-59 | |
| Terphenyl-D14 | 0.238 | 0.250 | 95 | 27-133 | |
| 2,4,6-Tribromophenol | 0.483 | 0.500 | 97 | 48-132 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Lab Batch #: 845636

Sample: 596536-1-BKS / BKS

Project ID:

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 02/28/11 16:10

SURROGATE RECOVERY STUDY

| TCLP SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 0.184 | 0.250 | 74 | 19-126 | |
| 2-Fluorophenol | 0.242 | 0.500 | 48 | 28-62 | |
| Nitrobenzene-d5 | 0.199 | 0.250 | 80 | 10-130 | |
| Phenol-d6 | 0.171 | 0.500 | 34 | 10-59 | |
| Terphenyl-D14 | 0.213 | 0.250 | 85 | 27-133 | |
| 2,4,6-Tribromophenol | 0.428 | 0.500 | 86 | 48-132 | |

Lab Batch #: 845636

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/L

Date Analyzed: 02/28/11 16:28

SURROGATE RECOVERY STUDY

| TCLP SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 0.177 | 0.250 | 71 | 19-126 | |
| 2-Fluorophenol | 0.218 | 0.500 | 44 | 28-62 | |
| Nitrobenzene-d5 | 0.194 | 0.250 | 78 | 10-130 | |
| Phenol-d6 | 0.144 | 0.500 | 29 | 10-59 | |
| Terphenyl-D14 | 0.222 | 0.250 | 89 | 27-133 | |
| 2,4,6-Tribromophenol | 0.425 | 0.500 | 85 | 48-132 | |

Lab Batch #: 845636

Sample: 407308-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/L

Date Analyzed: 02/28/11 16:45

SURROGATE RECOVERY STUDY

| TCLP SVOCs by SW846 8270C Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 2-Fluorobiphenyl | 0.150 | 0.250 | 60 | 19-126 | |
| 2-Fluorophenol | 0.207 | 0.500 | 41 | 28-62 | |
| Nitrobenzene-d5 | 0.167 | 0.250 | 67 | 10-130 | |
| Phenol-d6 | 0.145 | 0.500 | 29 | 10-59 | |
| Terphenyl-D14 | 0.189 | 0.250 | 76 | 27-133 | |
| 2,4,6-Tribromophenol | 0.386 | 0.500 | 77 | 48-132 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Project ID:

Lab Batch #: 845636

Sample: 407308-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/L

Date Analyzed: 02/28/11 17:02

SURROGATE RECOVERY STUDY

| TCLP SVOCs by SW846 8270C | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 2-Fluorobiphenyl | 0.162 | 0.250 | 65 | 19-126 | |
| 2-Fluorophenol | 0.196 | 0.500 | 39 | 28-62 | |
| Nitrobenzene-d5 | 0.177 | 0.250 | 71 | 10-130 | |
| Phenol-d6 | 0.134 | 0.500 | 27 | 10-59 | |
| Terphenyl-D14 | 0.187 | 0.250 | 75 | 27-133 | |
| 2,4,6-Tribromophenol | 0.402 | 0.500 | 80 | 48-132 | |

Lab Batch #: 845078

Sample: 596198-1-BKS / BKS

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/23/11 10:22

SURROGATE RECOVERY STUDY

| TCLP VOAs by EPA 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 32 | 30 | 107 | 83-118 | |
| Dibromofluoromethane | 30 | 30 | 100 | 76-133 | |
| Toluene-D8 | 30 | 30 | 100 | 86-108 | |

Lab Batch #: 845078

Sample: 596198-1-BLK / BLK

Batch: 1 Matrix: Water

Units: ug/L

Date Analyzed: 02/23/11 12:00

SURROGATE RECOVERY STUDY

| TCLP VOAs by EPA 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 32 | 30 | 107 | 83-118 | |
| Dibromofluoromethane | 30 | 30 | 100 | 76-133 | |
| Toluene-D8 | 30 | 30 | 100 | 86-108 | |

Lab Batch #: 845078

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: ug/L

Date Analyzed: 02/23/11 16:34

SURROGATE RECOVERY STUDY

| TCLP VOAs by EPA 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 31 | 30 | 103 | 83-118 | |
| Dibromofluoromethane | 30 | 30 | 100 | 76-133 | |
| Toluene-D8 | 31 | 30 | 103 | 86-108 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Lab Batch #: 845078

Sample: 407144-001 S / MS

Project ID:

Batch: 1 Matrix: Sludge

Units: ug/L

Date Analyzed: 02/23/11 18:09

SURROGATE RECOVERY STUDY

| TCLP VOAs by EPA 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 30 | 30 | 100 | 83-118 | |
| Dibromofluoromethane | 30 | 30 | 100 | 76-133 | |
| Toluene-D8 | 30 | 30 | 100 | 86-108 | |

Lab Batch #: 845078

Sample: 407144-001 SD / MSD

Batch: 1 Matrix: Sludge

Units: ug/L

Date Analyzed: 02/23/11 18:33

SURROGATE RECOVERY STUDY

| TCLP VOAs by EPA 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 30 | 30 | 100 | 83-118 | |
| Dibromofluoromethane | 29 | 30 | 97 | 76-133 | |
| Toluene-D8 | 30 | 30 | 100 | 86-108 | |

Lab Batch #: 845082

Sample: 596348-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 02/23/11 20:30

SURROGATE RECOVERY STUDY

| VOAs by SW-846 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0313 | 0.0300 | 104 | 78-137 | |
| Dibromofluoromethane | 0.0305 | 0.0300 | 102 | 81-115 | |
| Toluene-D8 | 0.0303 | 0.0300 | 101 | 86-117 | |

Lab Batch #: 845082

Sample: 407345-015 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 02/23/11 21:01

SURROGATE RECOVERY STUDY

| VOAs by SW-846 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0328 | 0.0300 | 109 | 78-137 | |
| Dibromofluoromethane | 0.0302 | 0.0300 | 101 | 81-115 | |
| Toluene-D8 | 0.0298 | 0.0300 | 99 | 86-117 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: ANNUAL PRIORITY POLLUTANTS

Work Orders : 407308,

Project ID:

Lab Batch #: 845082

Sample: 407345-015 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 02/23/11 21:25

SURROGATE RECOVERY STUDY

| VOAs by SW-846 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0337 | 0.0300 | 112 | 78-137 | |
| Dibromofluoromethane | 0.0296 | 0.0300 | 99 | 81-115 | |
| Toluene-D8 | 0.0300 | 0.0300 | 100 | 86-117 | |

Lab Batch #: 845082

Sample: 596348-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 02/23/11 22:38

SURROGATE RECOVERY STUDY

| VOAs by SW-846 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0306 | 0.0300 | 102 | 78-137 | |
| Dibromofluoromethane | 0.0296 | 0.0300 | 99 | 81-115 | |
| Toluene-D8 | 0.0293 | 0.0300 | 98 | 86-117 | |

Lab Batch #: 845082

Sample: 407308-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 02/24/11 03:04

SURROGATE RECOVERY STUDY

| VOAs by SW-846 8260B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0447 | 0.0300 | 149 | 78-137 | J |
| Dibromofluoromethane | 0.0252 | 0.0300 | 84 | 81-115 | |
| Toluene-D8 | 0.0276 | 0.0300 | 92 | 86-117 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|--|------------|---------------|--------|----------------------------|-------|-----------|-----|
| Sample Id: 596107-1-BLK | | Matrix: SOLID | | | | | |
| Lab Sample Id: 596107-1-BLK | | | | | | | |
| Analytical Method: Mercury by SW-846 7471A | | | | Prep Method: SW7471P | | | |
| Date Analyzed: Feb-22-11 10:47 | | Analyst: SOA | | Date Prep: Feb-22-11 09:00 | | Tech: SOA | |
| Seq Number: 844702 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Mercury | 7439-97-6 | U | 0.0333 | 0.0106 | mg/kg | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|---|------------|---------------|------|----------------------------|-------|-----------|-----|
| Sample Id: 596116-1-BLK | | Matrix: SOLID | | | | | |
| Lab Sample Id: 596116-1-BLK | | | | | | | |
| Analytical Method: Organochlorine Pesticides by EPA 8081A | | | | Prep Method: SW3550 | | | |
| Date Analyzed: Feb-24-11 01:24 | | Analyst: JGO | | Date Prep: Feb-23-11 07:00 | | Tech: LUA | |
| Seq Number: 845040 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| 4,4-DDD | 72-54-8 | U | 3.30 | 0.147 | ug/kg | U | 1 |
| 4,4-DDE | 72-55-9 | U | 3.30 | 0.168 | ug/kg | U | 1 |
| 4,4-DDT | 50-29-3 | U | 3.30 | 0.362 | ug/kg | U | 1 |
| Aldrin | 309-00-2 | U | 1.70 | 0.132 | ug/kg | U | 1 |
| Alpha-BHC | 319-84-6 | U | 1.70 | 0.338 | ug/kg | U | 1 |
| Alpha-Chlordane | 5103-71-9 | U | 1.70 | 0.190 | ug/kg | U | 1 |
| Beta-BHC | 319-85-7 | U | 1.70 | 0.225 | ug/kg | U | 1 |
| Chlordane | 57-74-9 | U | 100 | 6.31 | ug/kg | U | 1 |
| Delta-BHC | 319-86-8 | U | 1.70 | 0.438 | ug/kg | U | 1 |
| Dieldrin | 60-57-1 | U | 1.70 | 0.150 | ug/kg | U | 1 |
| Endosulfan I | 959-98-8 | U | 3.30 | 0.168 | ug/kg | U | 1 |
| Endosulfan II | 33213-65-9 | U | 3.30 | 0.308 | ug/kg | U | 1 |
| Endosulfan Sulfate | 1031-07-8 | U | 3.30 | 0.0550 | ug/kg | U | 1 |
| Endrin | 72-20-8 | U | 3.30 | 0.172 | ug/kg | U | 1 |
| Endrin Aldehyde | 7421-93-4 | U | 3.30 | 0.163 | ug/kg | U | 1 |
| Endrin Ketone | 53494-70-5 | U | 1.70 | 0.140 | ug/kg | U | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 1.70 | 0.522 | ug/kg | U | 1 |
| Gamma-Chlordane | 5566-34-7 | U | 1.70 | 0.135 | ug/kg | U | 1 |
| Heptachlor | 76-44-8 | U | 1.70 | 0.210 | ug/kg | U | 1 |
| Heptachlor Epoxide | 1024-57-3 | U | 1.70 | 0.195 | ug/kg | U | 1 |
| Methoxychlor | 72-43-5 | U | 1.70 | 0.313 | ug/kg | U | 1 |
| Toxaphene | 8001-35-2 | U | 100 | 9.36 | ug/kg | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | |
|------------------------------------|----------------------|
| Sample Id: 596119-1-BLK | Matrix: SOLID |
| Lab Sample Id: 596119-1-BLK | |

| | | | |
|--|--------------|----------------------------|-----------|
| Analytical Method: PCBs by EPA 8082 | | Prep Method: SW3550 | |
| Date Analyzed: Feb-25-11 15:17 | Analyst: JAN | Date Prep: Feb-21-11 15:00 | Tech: LUA |
| Seq Number: 845526 | | | |

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|-----------|------------|--------|------|------|-------|------|-----|
| PCB-1016 | 12674-11-2 | U | 17.0 | 2.07 | ug/kg | U | 1 |
| PCB-1221 | 11104-28-2 | U | 17.0 | 12.7 | ug/kg | U | 1 |
| PCB-1232 | 11141-16-5 | U | 17.0 | 4.50 | ug/kg | U | 1 |
| PCB-1242 | 53469-21-9 | U | 17.0 | 4.83 | ug/kg | U | 1 |
| PCB-1248 | 12672-29-6 | U | 17.0 | 8.83 | ug/kg | U | 1 |
| PCB-1254 | 11097-69-1 | U | 17.0 | 2.83 | ug/kg | U | 1 |
| PCB-1260 | 11096-82-5 | U | 17.0 | 2.67 | ug/kg | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| Sample Id: 596123-1-BLK | | Matrix: SOLID | | | | | |
|---|------------|---------------|--------|----------------------------|-------|-----------|-----|
| Lab Sample Id: 596123-1-BLK | | | | | | | |
| Analytical Method: SVOCs by SW846 8270C | | | | Prep Method: SW3550 | | | |
| Date Analyzed: Feb-24-11 14:48 | | Analyst: JEZ | | Date Prep: Feb-24-11 07:00 | | Tech: LUA | |
| Seq Number: 845292 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Acenaphthene | 83-32-9 | U | 0.100 | 0.0220 | mg/kg | U | 1 |
| Acenaphthylene | 208-96-8 | U | 0.100 | 0.0300 | mg/kg | U | 1 |
| Aniline (Phenylamine, Aminobenzene) | 62-53-3 | U | 0.333 | 0.0310 | mg/kg | U | 1 |
| Anthracene | 120-12-7 | U | 0.100 | 0.0350 | mg/kg | U | 1 |
| Benzo(a)anthracene | 56-55-3 | U | 0.100 | 0.0280 | mg/kg | U | 1 |
| Benzo(a)pyrene | 50-32-8 | U | 0.0660 | 0.0250 | mg/kg | U | 1 |
| Benzo(b)fluoranthene | 205-99-2 | U | 0.100 | 0.0200 | mg/kg | U | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | U | 0.100 | 0.0270 | mg/kg | U | 1 |
| Benzo(k)fluoranthene | 207-08-9 | U | 0.100 | 0.0330 | mg/kg | U | 1 |
| Benzoic Acid | 65-85-0 | U | 1.00 | 0.0230 | mg/kg | U | 1 |
| Benzyl Alcohol | 100-51-6 | U | 0.333 | 0.0210 | mg/kg | U | 1 |
| Benzyl Butyl Phthalate | 85-68-7 | U | 0.100 | 0.0190 | mg/kg | U | 1 |
| bis(2-chloroethoxy) methane | 111-91-1 | U | 0.100 | 0.0270 | mg/kg | U | 1 |
| bis(2-chloroethyl) ether | 111-44-4 | U | 0.100 | 0.0310 | mg/kg | U | 1 |
| bis(2-chloroisopropyl) ether | 108-60-1 | U | 0.100 | 0.0190 | mg/kg | U | 1 |
| bis(2-ethylhexyl) phthalate | 117-81-7 | U | 0.333 | 0.0220 | mg/kg | U | 1 |
| 4-Bromophenyl-phenylether | 101-55-3 | U | 0.100 | 0.0300 | mg/kg | U | 1 |
| di-n-Butyl Phthalate | 84-74-2 | U | 0.100 | 0.0320 | mg/kg | U | 1 |
| Carbazole | 86-74-8 | U | 0.100 | 0.0330 | mg/kg | U | 1 |
| 4-chloro-3-methylphenol | 59-50-7 | U | 0.333 | 0.0250 | mg/kg | U | 1 |
| 4-Chloroaniline | 106-47-8 | U | 0.333 | 0.0290 | mg/kg | U | 1 |
| 2-Chloronaphthalene | 91-58-7 | U | 0.100 | 0.0210 | mg/kg | U | 1 |
| 2-Chlorophenol | 95-57-8 | U | 0.333 | 0.0340 | mg/kg | U | 1 |
| 4-Chlorophenyl Phenyl Ether | 7005-72-3 | U | 0.100 | 0.0200 | mg/kg | U | 1 |
| Chrysene | 218-01-9 | U | 0.100 | 0.0230 | mg/kg | U | 1 |
| Dibenz(a,h)anthracene | 53-70-3 | U | 0.0660 | 0.0270 | mg/kg | U | 1 |
| Dibenzofuran | 132-64-9 | U | 0.333 | 0.0280 | mg/kg | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 0.100 | 0.0240 | mg/kg | U | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | U | 0.100 | 0.0240 | mg/kg | U | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | U | 0.100 | 0.0190 | mg/kg | U | 1 |
| 3,3-Dichlorobenzidine | 91-94-1 | U | 0.667 | 0.0190 | mg/kg | U | 1 |
| 2,4-Dichlorophenol | 120-83-2 | U | 0.333 | 0.0320 | mg/kg | U | 1 |
| Diethyl Phthalate | 84-66-2 | U | 0.100 | 0.0310 | mg/kg | U | 1 |
| Dimethyl Phthalate | 131-11-3 | U | 0.100 | 0.00300 | mg/kg | U | 1 |
| 2,4-Dimethylphenol | 105-67-9 | U | 0.333 | 0.0220 | mg/kg | U | 1 |
| 2,4-Dinitrophenol | 51-28-5 | U | 1.00 | 0.0430 | mg/kg | U | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | U | 0.100 | 0.0285 | mg/kg | U | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | U | 0.100 | 0.0290 | mg/kg | U | 1 |
| 1,2-Diphenylhydrazine | 122-66-7 | U | 0.100 | 0.0270 | mg/kg | U | 1 |
| 4,6-dinitro-2-methyl phenol | 534-52-1 | U | 1.00 | 0.0240 | mg/kg | U | 1 |
| Fluoranthene | 206-44-0 | U | 0.100 | 0.0380 | mg/kg | U | 1 |
| Fluorene | 86-73-7 | U | 0.100 | 0.0230 | mg/kg | U | 1 |

Project: Florida Standard List of Methods

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Sample Id: **596123-1-BLK**
 Lab Sample Id: **596123-1-BLK**

Matrix: **SOLID**

Analytical Method: SVOCs by SW846 8270C

Prep Method: SW3550

Date Analyzed: Feb-24-11 14:48

Analyst: JEZ

Date Prep: Feb-24-11 07:00

Tech: LUA

Seq Number: 845292

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|---------------------------|------------|--------|-------|---------|-------|------|-----|
| Hexachlorobenzene | 118-74-1 | U | 0.100 | 0.0230 | mg/kg | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 0.100 | 0.0250 | mg/kg | U | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | U | 0.100 | 0.0210 | mg/kg | U | 1 |
| Hexachloroethane | 67-72-1 | U | 0.100 | 0.0270 | mg/kg | U | 1 |
| Isophorone | 78-59-1 | U | 0.100 | 0.0230 | mg/kg | U | 1 |
| 2-Methylnaphthalene | 91-57-6 | U | 0.200 | 0.0280 | mg/kg | U | 1 |
| 2-methylphenol | 95-48-7 | U | 0.333 | 0.0350 | mg/kg | U | 1 |
| 3&4-Methylphenol | | U | 0.333 | 0.00340 | mg/kg | U | 1 |
| 1-Methylnaphthalene | 90-12-0 | U | 0.100 | 0.0270 | mg/kg | U | 1 |
| Naphthalene | 91-20-3 | U | 0.100 | 0.0210 | mg/kg | U | 1 |
| 4-Nitroaniline | 100-01-6 | U | 1.00 | 0.0360 | mg/kg | U | 1 |
| 3-Nitroaniline | 99-09-2 | U | 1.00 | 0.0190 | mg/kg | U | 1 |
| 2-Nitroaniline | 88-74-4 | U | 1.00 | 0.0180 | mg/kg | U | 1 |
| Nitrobenzene | 98-95-3 | U | 0.100 | 0.0280 | mg/kg | U | 1 |
| 2-Nitrophenol | 88-75-5 | U | 0.333 | 0.0180 | mg/kg | U | 1 |
| 4-Nitrophenol | 100-02-7 | U | 1.00 | 0.0330 | mg/kg | U | 1 |
| n-Octadecane * | 593-45-3 | U | 0.100 | 0.0107 | mg/kg | U | 1 |
| di-n-Octyl Phthalate | 117-84-0 | U | 0.100 | 0.0450 | mg/kg | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 1.00 | 0.0250 | mg/kg | U | 1 |
| Phenanthrene | 85-01-8 | U | 0.100 | 0.0320 | mg/kg | U | 1 |
| Phenol | 108-95-2 | U | 0.333 | 0.0340 | mg/kg | U | 1 |
| Pyrene | 129-00-0 | U | 0.100 | 0.0330 | mg/kg | U | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 0.100 | 0.0260 | mg/kg | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 0.333 | 0.0280 | mg/kg | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 0.333 | 0.0270 | mg/kg | U | 1 |
| Indeno(1,2,3-c,d)Pyrene | 193-39-5 | U | 0.100 | 0.0340 | mg/kg | U | 1 |
| N-Nitrosodimethylamine | 62-75-9 | U | 0.333 | 0.0430 | mg/kg | U | 1 |
| N-Nitrosodi-n-Propylamine | 621-64-7 | U | 0.100 | 0.0340 | mg/kg | U | 1 |
| N-Nitrosodiphenylamine | 86-30-6 | U | 0.100 | 0.0200 | mg/kg | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | |
|------------------------------------|----------------------|
| Sample Id: 596198-1-BLK | Matrix: WATER |
| Lab Sample Id: 596198-1-BLK | |

| Analytical Method: TCLP VOAs by EPA 8260B | | | | Prep Method: SW5030B | | | |
|---|------------|--------------|--------|----------------------------|-------|-----------|-----|
| Date Analyzed: Feb-23-11 12:00 | | Analyst: ROL | | Date Prep: Feb-22-11 12:07 | | Tech: ROL | |
| Seq Number: 845078 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Benzene | 71-43-2 | U | 0.0500 | 0.0125 | mg/L | U | 50 |
| 2-Butanone | 78-93-3 | U | 0.500 | 0.0843 | mg/L | U | 50 |
| Carbon Tetrachloride | 56-23-5 | U | 0.0500 | 0.0114 | mg/L | U | 50 |
| Chlorobenzene | 108-90-7 | U | 0.0500 | 0.00882 | mg/L | U | 50 |
| Chloroform | 67-66-3 | 0.00973 | 0.0500 | 0.00609 | mg/L | I | 50 |
| 1,2-Dichloroethane | 107-06-2 | U | 0.0500 | 0.00605 | mg/L | U | 50 |
| 1,1-Dichloroethene | 75-35-4 | U | 0.0500 | 0.00694 | mg/L | U | 50 |
| Tetrachloroethylene | 127-18-4 | U | 0.0500 | 0.00489 | mg/L | U | 50 |
| Trichloroethene | 79-01-6 | U | 0.0500 | 0.0179 | mg/L | U | 50 |
| Vinyl Chloride | 75-01-4 | U | 0.0500 | 0.00960 | mg/L | U | 50 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| Sample Id: 596232-1-BLK | | Matrix: WATER | | | | | |
|---|------------|---------------|--------|----------------------------|-------|-----------|-----|
| Lab Sample Id: 596232-1-BLK | | | | | | | |
| Analytical Method: TCLP Pesticides by SW8081A | | | | Prep Method: SW3510C | | | |
| Date Analyzed: Feb-25-11 00:13 | | Analyst: JGO | | Date Prep: Feb-24-11 13:00 | | Tech: HEA | |
| Seq Number: 845251 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Heptachlor Epoxide | 1024-57-3 | U | 0.0125 | 0.000835 | mg/L | U | 1 |
| Chlordane | 57-74-9 | U | 0.250 | 0.0158 | mg/L | U | 1 |
| Endrin | 72-20-8 | U | 0.0250 | 0.00179 | mg/L | U | 1 |
| Gamma-BHC (Lindane) | 8-89-9 | U | 0.0125 | 0.00141 | mg/L | U | 1 |
| Heptachlor | 76-44-8 | U | 0.0125 | 0.00288 | mg/L | U | 1 |
| Methoxychlor | 72-43-5 | U | 0.0125 | 0.00365 | mg/L | U | 1 |
| Toxaphene | 8001-35-2 | U | 0.750 | 0.118 | mg/L | U | 1 |

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Miami Dade Water & Sewer-South District, Miami, FL

ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|--|------------|---------------|-------|----------------------------|-------|-----------|-----|
| Sample Id: 596295-1-BLK | | Matrix: SOLID | | | | | |
| Lab Sample Id: 596295-1-BLK | | | | | | | |
| Analytical Method: ICP Metals by SW846 6010B | | | | Prep Method: SW3050B | | | |
| Date Analyzed: Mar-01-11 04:19 | | Analyst: IST | | Date Prep: Feb-24-11 12:30 | | Tech: RWA | |
| Seq Number: 846275 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Antimony | 7440-36-0 | U | 2.00 | 0.430 | mg/kg | U | 1 |
| Arsenic | 7440-38-2 | U | 1.00 | 0.500 | mg/kg | U | 1 |
| Beryllium | 7440-41-7 | U | 0.400 | 0.110 | mg/kg | U | 1 |
| Cadmium | 7440-43-9 | U | 0.500 | 0.170 | mg/kg | U | 1 |
| Chromium | 7440-47-3 | U | 1.00 | 0.220 | mg/kg | U | 1 |
| Copper | 7440-50-8 | U | 2.00 | 0.430 | mg/kg | U | 1 |
| Lead | 7439-92-1 | U | 1.00 | 0.470 | mg/kg | U | 1 |
| Molybdenum | 7439-98-7 | U | 1.00 | 0.150 | mg/kg | U | 1 |
| Nickel | 7440-02-0 | U | 1.00 | 0.0930 | mg/kg | U | 1 |
| Selenium | 7782-49-2 | U | 3.00 | 0.620 | mg/kg | U | 1 |
| Silver | 7440-22-4 | U | 2.00 | 0.710 | mg/kg | U | 1 |
| Thallium | 7440-28-0 | U | 2.00 | 0.460 | mg/kg | U | 1 |
| Zinc | 7440-66-6 | U | 3.00 | 1.50 | mg/kg | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | |
|------------------------------------|----------------------|
| Sample Id: 596348-1-BLK | Matrix: SOLID |
| Lab Sample Id: 596348-1-BLK | |

| Analytical Method: VOAs by SW-846 8260B | | | | Prep Method: SW5030B | | | |
|---|------------|--------------|----------------------------|----------------------|-----------|------|-----|
| Date Analyzed: Feb-23-11 22:38 | | Analyst: ROL | Date Prep: Feb-23-11 20:19 | | Tech: JTA | | |
| Seq Number: 845082 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | U | 0.00200 | 0.000268 | mg/kg | U | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | U | 0.00100 | 0.000556 | mg/kg | U | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | U | 0.00100 | 0.000433 | mg/kg | U | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | U | 0.00200 | 0.000279 | mg/kg | U | 1 |
| 1,1-Dichloroethane | 75-34-3 | U | 0.00200 | 0.000123 | mg/kg | U | 1 |
| 1,1-Dichloroethene | 75-35-4 | U | 0.00300 | 0.000442 | mg/kg | U | 1 |
| 1,1-Dichloropropene | 563-58-6 | U | 0.00100 | 0.000300 | mg/kg | U | 1 |
| 1,2,3-Trichlorobenzene | 87-61-6 | U | 0.00500 | 0.000540 | mg/kg | U | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | U | 0.00200 | 0.000239 | mg/kg | U | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | U | 0.00300 | 0.000202 | mg/kg | U | 1 |
| 1,2,4-Trimethylbenzene | 95-63-6 | U | 0.00400 | 0.000131 | mg/kg | U | 1 |
| 1,2-Dibromo-3-Chloropropane | 96-12-8 | U | 0.00500 | 0.000438 | mg/kg | U | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | U | 0.00200 | 0.000169 | mg/kg | U | 1 |
| 1,2-Dichloroethane | 107-06-2 | U | 0.00200 | 0.000514 | mg/kg | U | 1 |
| 1,2-Dichloropropane | 78-87-5 | U | 0.00200 | 0.000120 | mg/kg | U | 1 |
| 1,3,5-Trimethylbenzene | 108-67-8 | U | 0.00100 | 0.000210 | mg/kg | U | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | U | 0.00200 | 0.000236 | mg/kg | U | 1 |
| 1,3-Dichloropropane | 142-28-9 | U | 0.00400 | 0.000142 | mg/kg | U | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | U | 0.00200 | 0.000227 | mg/kg | U | 1 |
| 2,2-Dichloropropane | 594-20-7 | U | 0.00200 | 0.000240 | mg/kg | U | 1 |
| Methyl ethyl ketone | 78-93-3 | U | 0.0210 | 0.00515 | mg/kg | U | 1 |
| 2-Chloroethyl Vinyl Ether | 110-75-8 | U | 0.0100 | 0.000396 | mg/kg | U | 1 |
| 2-Chlorotoluene | 95-49-8 | U | 0.00200 | 0.000185 | mg/kg | U | 1 |
| 2-Hexanone | 591-78-6 | U | 0.00900 | 0.000898 | mg/kg | U | 1 |
| 4-Chlorotoluene | 106-43-4 | U | 0.00100 | 0.000143 | mg/kg | U | 1 |
| 4-Methyl-2-Pentanone | 108-10-1 | U | 0.00700 | 0.00339 | mg/kg | U | 1 |
| Acetone | 67-64-1 | U | 0.0200 | 0.00470 | mg/kg | U | 1 |
| Acrolein | 107-02-8 | U | 0.0100 | 0.00127 | mg/kg | U | 1 |
| Acrylonitrile | 107-13-1 | U | 0.00900 | 0.00119 | mg/kg | U | 1 |
| Benzene | 71-43-2 | U | 0.00100 | 0.000460 | mg/kg | U | 1 |
| Bromobenzene | 108-86-1 | U | 0.00200 | 0.000233 | mg/kg | U | 1 |
| Bromochloromethane | 74-97-5 | U | 0.00200 | 0.000199 | mg/kg | U | 1 |
| Bromodichloromethane | 75-27-4 | U | 0.00200 | 0.000115 | mg/kg | U | 1 |
| Bromoform | 75-25-2 | U | 0.00100 | 0.000522 | mg/kg | U | 1 |
| Methyl bromide | 74-83-9 | U | 0.00500 | 0.000482 | mg/kg | U | 1 |
| Carbon Disulfide | 75-15-0 | U | 0.0100 | 0.00236 | mg/kg | U | 1 |
| Carbon Tetrachloride | 56-23-5 | U | 0.00200 | 0.000350 | mg/kg | U | 1 |
| Chlorobenzene | 108-90-7 | U | 0.00200 | 0.000128 | mg/kg | U | 1 |
| Chloroethane | 75-00-3 | U | 0.00200 | 0.000515 | mg/kg | U | 1 |
| Chloroform | 67-66-3 | U | 0.00100 | 0.000538 | mg/kg | U | 1 |
| Methyl Chloride | 74-87-3 | U | 0.00200 | 0.000229 | mg/kg | U | 1 |
| cis-1,2-Dichloroethylene | 156-59-2 | U | 0.00100 | 0.000177 | mg/kg | U | 1 |

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Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Sample Id: **596348-1-BLK**
 Lab Sample Id: **596348-1-BLK**

Matrix: **SOLID**

Analytical Method: VOAs by SW-846 8260B

Prep Method: SW5030B

Date Analyzed: Feb-23-11 22:38

Analyst: ROL

Date Prep: Feb-23-11 20:19

Tech: JTA

Seq Number: 845082

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|-------------------------------|-------------|--------|---------|----------|-------|------|-----|
| cis-1,3-Dichloropropene | 10061-01-5 | U | 0.00200 | 0.000271 | mg/kg | U | 1 |
| Dibromochloromethane | 124-48-1 | U | 0.00400 | 0.000307 | mg/kg | U | 1 |
| Methylene bromide | 74-95-3 | U | 0.00200 | 0.000354 | mg/kg | U | 1 |
| Dichlorodifluoromethane | 75-71-8 | U | 0.00200 | 0.000267 | mg/kg | U | 1 |
| Ethylbenzene | 100-41-4 | U | 0.00100 | 0.000123 | mg/kg | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 0.00500 | 0.000321 | mg/kg | U | 1 |
| Methyl iodide | 74-88-4 | U | 0.0110 | 0.000278 | mg/kg | U | 1 |
| Isopropylbenzene | 98-82-8 | U | 0.00100 | 0.000127 | mg/kg | U | 1 |
| m,p-Xylenes | 179601-23-1 | U | 0.00300 | 0.000241 | mg/kg | U | 1 |
| Methylene Chloride | 75-09-2 | U | 0.00400 | 0.000385 | mg/kg | U | 1 |
| MTBE | 1634-04-4 | U | 0.00100 | 0.000160 | mg/kg | U | 1 |
| Naphthalene | 91-20-3 | U | 0.00800 | 0.000283 | mg/kg | U | 1 |
| n-Butylbenzene | 104-51-8 | U | 0.00100 | 0.000150 | mg/kg | U | 1 |
| n-Propylbenzene | 103-65-1 | U | 0.00200 | 0.000111 | mg/kg | U | 1 |
| o-Xylene | 95-47-6 | U | 0.00100 | 0.000159 | mg/kg | U | 1 |
| p-Cymene (p-Isopropyltoluene) | 99-87-6 | U | 0.00100 | 0.000229 | mg/kg | U | 1 |
| Sec-Butylbenzene | 135-98-8 | U | 0.00100 | 0.000200 | mg/kg | U | 1 |
| Styrene | 100-42-5 | U | 0.00100 | 0.000224 | mg/kg | U | 1 |
| tert-Butylbenzene | 98-06-6 | U | 0.00100 | 0.000150 | mg/kg | U | 1 |
| Tetrachloroethylene | 127-18-4 | U | 0.00200 | 0.000567 | mg/kg | U | 1 |
| Toluene | 108-88-3 | U | 0.00200 | 0.000909 | mg/kg | U | 1 |
| trans-1,2-dichloroethylene | 156-60-5 | U | 0.00200 | 0.000513 | mg/kg | U | 1 |
| trans-1,3-dichloropropene | 10061-02-6 | U | 0.00200 | 0.000160 | mg/kg | U | 1 |
| Trichloroethylene | 79-01-6 | U | 0.00200 | 0.000505 | mg/kg | U | 1 |
| Trichlorofluoromethane | 75-69-4 | U | 0.00200 | 0.000133 | mg/kg | U | 1 |
| Vinyl Acetate | 108-05-4 | U | 0.00300 | 0.000348 | mg/kg | U | 1 |
| Vinyl Chloride | 75-01-4 | U | 0.00100 | 0.000276 | mg/kg | U | 1 |



Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Sample Id: **596428-1-BLK**
Lab Sample Id: **596428-1-BLK**

Matrix: **WATER**

Analytical Method: TCLP Mercury by SW1311/7470A

Prep Method: SW7470P

Date Analyzed: Feb-24-11 15:05

Analyst: SOA

Date Prep: Feb-24-11 12:15

Tech: SOA

Seq Number: 845113

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|-----------|------------|--------|----------|-----------|-------|------|-----|
| Mercury | 7439-97-6 | U | 0.000200 | 0.0000593 | mg/L | U | 1 |

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ANNUAL PRIORITY POLLUTANTS

Sample Id: **596434-1-BLK**
Lab Sample Id: **596434-1-BLK**

Matrix: **WATER**

Analytical Method: **TCLP Herbicides by SW-846 1311/8151A**

Prep Method: **SW8151A_EXT**

Date Analyzed: **Mar-02-11 14:17**

Analyst: **LER**

Date Prep: **Feb-28-11 14:00**

Tech: **MBA**

Seq Number: **846051**

| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
|-------------------|------------|--------|-------|--------|-------|------|-----|
| 2,4,5-TP (Silvex) | 93-72-1 | U | 0.100 | 0.0246 | mg/L | U | 1 |
| 2,4-D | 94-75-7 | U | 0.100 | 0.0203 | mg/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|--|------------|---------------|---------|----------------------------|-------|-----------|-----|
| Sample Id: 596472-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596472-1-BLK | | | | | | | |
| Analytical Method: TCLP Metals by SW846-1311/6010B | | | | Prep Method: SW3010A | | | |
| Date Analyzed: Mar-02-11 06:50 | | Analyst: IST | | Date Prep: Feb-24-11 14:00 | | Tech: TEM | |
| Seq Number: 846788 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Arsenic | 7440-38-2 | 0.0172 | 0.0100 | 0.00450 | mg/L | | 1 |
| Barium | 7440-39-3 | 0.0576 | 0.0100 | 0.00210 | mg/L | | 1 |
| Cadmium | 7440-43-9 | U | 0.00500 | 0.00110 | mg/L | U | 1 |
| Chromium | 7440-47-3 | 0.00279 | 0.00500 | 0.00260 | mg/L | I | 1 |
| Lead | 7439-92-1 | U | 0.0100 | 0.00470 | mg/L | U | 1 |
| Selenium | 7782-49-2 | U | 0.0300 | 0.00670 | mg/L | U | 1 |
| Silver | 7440-22-4 | U | 0.0200 | 0.00540 | mg/L | U | 1 |

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ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|--|--------------|----------------------------|-----------|---------|-------|------|-----|
| Sample Id: 596536-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 596536-1-BLK | | | | | | | |
| Analytical Method: TCLP SVOCs by SW846 8270C | | Prep Method: SW3510C | | | | | |
| Date Analyzed: Feb-28-11 15:36 | Analyst: BAT | Date Prep: Feb-28-11 08:30 | Tech: HEA | | | | |
| Seq Number: 845636 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| 1,4-Dichlorobenzene | 106-46-7 | U | 0.0200 | 0.00140 | mg/L | U | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | U | 0.0200 | 0.00190 | mg/L | U | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | U | 0.00500 | 0.00140 | mg/L | U | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | U | 0.00225 | 0.00160 | mg/L | U | 1 |
| 2-methylphenol | 95-48-7 | U | 0.0200 | 0.00110 | mg/L | U | 1 |
| 3&4-Methylphenol | | U | 0.0200 | 0.00115 | mg/L | U | 1 |
| Hexachlorobenzene | 118-74-1 | U | 0.00500 | 0.00160 | mg/L | U | 1 |
| Hexachlorobutadiene | 87-68-3 | U | 0.0200 | 0.00230 | mg/L | U | 1 |
| Hexachloroethane | 67-72-1 | U | 0.0200 | 0.00180 | mg/L | U | 1 |
| Nitrobenzene | 98-95-3 | U | 0.0100 | 0.00160 | mg/L | U | 1 |
| Pentachlorophenol | 87-86-5 | U | 0.0500 | 0.00350 | mg/L | U | 1 |
| Pyridine | 110-86-1 | U | 0.0500 | 0.0445 | mg/L | U | 1 |



Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|-------------------------------------|------------|--------------------|------|--------------|-------|-----------|-----|
| Sample Id: 844733-1-BLK | | Matrix: SOLID | | | | | |
| Lab Sample Id: 844733-1-BLK | | | | | | | |
| Analytical Method: Percent Moisture | | | | Prep Method: | | | |
| Date Analyzed: Feb-22-11 09:48 | | Analyst: ARM | | Date Prep: | | Tech: ARM | |
| | | Seq Number: 844733 | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Percent Moisture | TMOIST | U | 1.00 | 1.00 | % | U | 1 |

**Blank Summary****407308****Miami Dade Water & Sewer-South District, Miami, FL**
ANNUAL PRIORITY POLLUTANTS

| | | | | | | | |
|--|------------|---------------|--------|------------|-------|-----------|-----|
| Sample Id: 844869-1-BLK | | Matrix: SOLID | | | | | |
| Lab Sample Id: 844869-1-BLK | | | | | | | |
| Analytical Method: Total Cyanide (Colorimetric, Automated UV) by SW-846 9012 | | Prep Method: | | | | | |
| Date Analyzed: Feb-23-11 13:11 | | Analyst: DAH | | Date Prep: | | Tech: DAH | |
| Seq Number: 844869 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Cyanide, Total | 57-12-5 | U | 0.0960 | 0.0274 | mg/kg | U | 1 |

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ANNUAL PRIORITY POLLUTANTS

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|--|------------|--------------------|-------|------------|--------------|-----------|-----|
| Sample Id: 845193-1-BLK | | Matrix: SOLID | | | | | |
| Lab Sample Id: 845193-1-BLK | | | | | | | |
| Analytical Method: Phenolics (Colorimetric, Automated 4-AAP With Distillation) | | | | | Prep Method: | | |
| Date Analyzed: Feb-24-11 16:28 | | Analyst: MID | | Date Prep: | | Tech: RPO | |
| | | Seq Number: 845193 | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Phenolic | | U | 0.500 | 0.210 | mg/kg | U | 1 |

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ANNUAL PRIORITY POLLUTANTS

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|---|------------|--------------------|-----|------------|--------------|-----------|-----|
| Sample Id: 845230-1-BLK | | Matrix: SOLID | | | | | |
| Lab Sample Id: 845230-1-BLK | | | | | | | |
| Analytical Method: Paint Filter Liquids Test by SW-9095 | | | | | Prep Method: | | |
| Date Analyzed: Feb-25-11 09:00 | | Analyst: RGF | | Date Prep: | | Tech: RGF | |
| | | Seq Number: 845230 | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Paint Filter | PAIFILTER | Pass | | | | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS
Analytical Method: ICP Metals by SW846 6010B
Seq Number: 846275
MB Sample Id: 596295-1-BLK
Matrix: Solid
LCS Sample Id: 596295-1-BKS
Prep Method: SW3050B
Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Antimony | <0.430 | 100 | 88.6 | 89 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Arsenic | <0.500 | 100 | 92.3 | 92 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Beryllium | <0.110 | 100 | 96.5 | 97 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Cadmium | <0.170 | 100 | 93.6 | 94 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Chromium | <0.220 | 100 | 92.1 | 92 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Copper | <0.430 | 100 | 91.9 | 92 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Lead | <0.470 | 100 | 97.7 | 98 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Molybdenum | <0.150 | 100 | 91.9 | 92 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Nickel | <0.0930 | 100 | 95.4 | 95 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Selenium | <0.620 | 100 | 90.6 | 91 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Silver | <0.710 | 50 | 49.4 | 99 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Thallium | <0.460 | 100 | 92.1 | 92 | 75-125 | mg/kg | 03/01/11 04:25 | |
| Zinc | <1.50 | 100 | 93.1 | 93 | 75-125 | mg/kg | 03/01/11 04:25 | |

Analytical Method: ICP Metals by SW846 6010B
Seq Number: 846275
Parent Sample Id: 406545-011
Matrix: Soil
MS Sample Id: 406545-011 S
Prep Method: SW3050B
Date Prep: 02/24/2011
MSD Sample Id: 406545-011 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Antimony | <0.498 | 116 | 88.6 | 76 | 88.3 | 76 | 75-125 | 0 | 20 | mg/kg | 03/01/11 04:43 | |
| Arsenic | 10.2 | 116 | 107 | 83 | 107 | 83 | 75-125 | 0 | 20 | mg/kg | 03/01/11 04:43 | |
| Beryllium | <0.127 | 116 | 99.0 | 85 | 97.4 | 84 | 75-125 | 2 | 20 | mg/kg | 03/01/11 04:43 | |
| Cadmium | <0.197 | 116 | 97.9 | 84 | 96.5 | 83 | 75-125 | 1 | 20 | mg/kg | 03/01/11 04:43 | |
| Chromium | 5.54 | 116 | 103 | 84 | 101 | 82 | 75-125 | 2 | 20 | mg/kg | 03/01/11 04:43 | |
| Copper | 2.50 | 116 | 98.4 | 83 | 96.8 | 81 | 75-125 | 2 | 20 | mg/kg | 03/01/11 04:43 | |
| Lead | 1.91 | 116 | 105 | 89 | 103 | 87 | 75-125 | 2 | 20 | mg/kg | 03/01/11 04:43 | |
| Molybdenum | 0.429 | 116 | 96.4 | 83 | 95.9 | 82 | 75-125 | 1 | 20 | mg/kg | 03/01/11 04:43 | |
| Nickel | 1.09 | 116 | 102 | 87 | 100 | 85 | 75-125 | 2 | 20 | mg/kg | 03/01/11 04:43 | |
| Selenium | <0.718 | 116 | 96.9 | 84 | 96.2 | 83 | 75-125 | 1 | 20 | mg/kg | 03/01/11 04:43 | |
| Silver | 1.07 | 57.9 | 53.4 | 90 | 52.2 | 88 | 75-125 | 2 | 20 | mg/kg | 03/01/11 04:43 | |
| Thallium | <0.533 | 116 | 98.3 | 85 | 97.7 | 84 | 75-125 | 1 | 20 | mg/kg | 03/01/11 04:43 | |
| Zinc | 7.00 | 116 | 109 | 88 | 108 | 87 | 75-125 | 1 | 20 | mg/kg | 03/01/11 04:43 | |

Analytical Method: Mercury by SW-846 7471A
Seq Number: 844702
MB Sample Id: 596107-1-BLK
Matrix: Solid
LCS Sample Id: 596107-1-BKS
Prep Method: SW7471P
Date Prep: 02/22/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Mercury | <0.0106 | 0.133 | 0.150 | 113 | 75-125 | mg/kg | 02/22/11 10:52 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: Mercury by SW-846 7471A

Seq Number: 844702

Parent Sample Id: 407220-005

Matrix: Soil

MS Sample Id: 407220-005 S

Prep Method: SW7471P

Date Prep: 02/22/2011

MSD Sample Id: 407220-005 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Mercury | 0.0540 | 0.14 | 0.203 | 106 | 0.201 | 105 | 75-125 | 1 | 20 | mg/kg | 02/22/11 11:00 | |

Analytical Method: Phenolics (Colorimetric, Automated 4-AAP With Distillation)

Seq Number: 845193

MB Sample Id: 845193-1-BLK

Matrix: Solid

LCS Sample Id: 845193-1-BKS

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Phenolic | <0.210 | 4 | 4.24 | 106 | 80-125 | mg/kg | 02/24/11 16:29 | |

Analytical Method: Phenolics (Colorimetric, Automated 4-AAP With Distillation)

Seq Number: 845193

Parent Sample Id: 407180-001

Matrix: Sludge

MS Sample Id: 407180-001 S

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Phenolic | 59.1 | 167 | 264 | 123 | 80-125 | mg/kg | 02/24/11 16:32 | |

Analytical Method: Phenolics (Colorimetric, Automated 4-AAP With Distillation)

Seq Number: 845193

Parent Sample Id: 407180-001

Matrix: Sludge

MD Sample Id: 407180-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|-----------|------|-----------|-------|----------------|------|
| Phenolic | 59.1 | 56.5 | 4 | 20 | mg/kg | 02/24/11 16:31 | |

Miami Dade Water & Sewer-South District, Miami, FL ANNUAL PRIORITY POLLUTANTS

Analytical Method: SVOCs by SW846 8270C

Seq Number: 845292

MB Sample Id: 596123-1-BLK

Matrix: Solid

LCS Sample Id: 596123-1-BKS

Prep Method: SW3550

Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-------------------------------------|--------------|-----------------|---------------|-------------|--------|-------|------------------|------|
| Acenaphthene | <0.0220 | 1.67 | 1.43 | 86 | 64-106 | mg/kg | 02/24/11 15:05 | |
| Acenaphthylene | <0.0300 | 1.67 | 1.35 | 81 | 64-113 | mg/kg | 02/24/11 15:05 | |
| Aniline (Phenylamine, Aminobenzene) | <0.0310 | 1.67 | 0.800 | 48 | 10-98 | mg/kg | 02/24/11 15:05 | |
| Anthracene | <0.0350 | 1.67 | 1.38 | 83 | 65-103 | mg/kg | 02/24/11 15:05 | |
| Benzo(a)anthracene | <0.0280 | 1.67 | 1.43 | 86 | 69-106 | mg/kg | 02/24/11 15:05 | |
| Benzo(a)pyrene | <0.0250 | 1.67 | 1.45 | 87 | 58-111 | mg/kg | 02/24/11 15:05 | |
| Benzo(b)fluoranthene | <0.0200 | 1.67 | 1.47 | 88 | 43-133 | mg/kg | 02/24/11 15:05 | |
| Benzo(g,h,i)perylene | <0.0270 | 1.67 | 1.50 | 90 | 52-131 | mg/kg | 02/24/11 15:05 | |
| Benzo(k)fluoranthene | <0.0330 | 1.67 | 1.54 | 92 | 45-121 | mg/kg | 02/24/11 15:05 | |
| Benzoic Acid | <0.0230 | 1.67 | <0.0230 | 0 | 10-113 | mg/kg | 02/24/11 15:05 | J |
| Benzyl Alcohol | <0.0210 | 1.67 | 1.43 | 86 | 52-107 | mg/kg | 02/24/11 15:05 | |
| Benzyl Butyl Phthalate | <0.0190 | 1.67 | 1.42 | 85 | 52-109 | mg/kg | 02/24/11 15:05 | |
| bis(2-chloroethoxy) methane | <0.0270 | 1.67 | 1.25 | 75 | 60-97 | mg/kg | 02/24/11 15:05 | |
| bis(2-chloroethyl) ether | <0.0310 | 1.67 | 1.21 | 72 | 56-99 | mg/kg | 02/24/11 15:05 | |
| bis(2-chloroisopropyl) ether | <0.0190 | 1.67 | 1.41 | 84 | 47-113 | mg/kg | 02/24/11 15:05 | |
| bis(2-ethylhexyl) phthalate | <0.0220 | 1.67 | 1.44 | 86 | 51-104 | mg/kg | 02/24/11 15:05 | |
| 4-Bromophenyl-phenylether | <0.0300 | 1.67 | 1.34 | 80 | 55-86 | mg/kg | 02/24/11 15:05 | |
| di-n-Butyl Phthalate | <0.0320 | 1.67 | 1.38 | 83 | 58-97 | mg/kg | 02/24/11 15:05 | |
| Carbazole | <0.0330 | 1.67 | 1.37 | 82 | 62-103 | mg/kg | 02/24/11 15:05 | |
| 4-chloro-3-methylphenol | <0.0250 | 1.67 | 1.33 | 80 | 58-112 | mg/kg | 02/24/11 15:05 | |
| 4-Chloroaniline | <0.0290 | 1.67 | 1.20 | 72 | 21-105 | mg/kg | 02/24/11 15:05 | |
| 2-Chloronaphthalene | <0.0210 | 1.67 | 1.30 | 78 | 61-103 | mg/kg | 02/24/11 15:05 | |
| 2-Chlorophenol | <0.0340 | 1.67 | 1.28 | 77 | 61-107 | mg/kg | 02/24/11 15:05 | |
| 4-Chlorophenyl Phenyl Ether | <0.0200 | 1.67 | 1.31 | 78 | 58-91 | mg/kg | 02/24/11 15:05 | |
| Chrysene | <0.0230 | 1.67 | 1.61 | 96 | 60-110 | mg/kg | 02/24/11 15:05 | |
| Dibenz(a,h)anthracene | <0.0270 | 1.67 | 1.49 | 89 | 54-130 | mg/kg | 02/24/11 15:05 | |
| Dibenzofuran | <0.0280 | 1.67 | 1.40 | 84 | 59-98 | mg/kg | 02/24/11 15:05 | |
| 1,2-Dichlorobenzene | <0.0240 | 1.67 | 1.17 | 70 | 62-98 | mg/kg | 02/24/11 15:05 | |
| 1,3-Dichlorobenzene | <0.0240 | 1.67 | 1.16 | 69 | 61-92 | mg/kg | 02/24/11 15:05 | |
| 1,4-Dichlorobenzene | <0.0190 | 1.67 | 1.13 | 68 | 62-94 | mg/kg | 02/24/11 15:05 | |
| 3,3-Dichlorobenzidine | <0.0190 | 1.67 | 1.32 | 79 | 16-124 | mg/kg | 02/24/11 15:05 | |
| 2,4-Dichlorophenol | <0.0320 | 1.67 | 1.32 | 79 | 59-108 | mg/kg | 02/24/11 15:05 | |
| Diethyl Phthalate | <0.0310 | 1.67 | 1.41 | 84 | 53-101 | mg/kg | 02/24/11 15:05 | |
| Dimethyl Phthalate | <0.00300 | 1.67 | 1.34 | 80 | 62-93 | mg/kg | 02/24/11 15:05 | |
| 2,4-Dimethylphenol | <0.0220 | 1.67 | 1.37 | 82 | 66-111 | mg/kg | 02/24/11 15:05 | |
| 2,4-Dinitrophenol | <0.0430 | 1.67 | <0.0430 | 0 | 22-118 | mg/kg | 02/24/11 15:05 | J |
| 2,4-Dinitrotoluene | <0.0290 | 1.67 | 1.39 | 83 | 56-101 | mg/kg | 02/24/11 15:05 | |
| 2,6-Dinitrotoluene | <0.0285 | 1.67 | 1.32 | 79 | 54-99 | mg/kg | 02/24/11 15:05 | |
| 1,2-Diphenylhydrazine | <0.0270 | 1.67 | 1.34 | 80 | 59-106 | mg/kg | 02/24/11 15:05 | |
| 4,6-dinitro-2-methyl phenol | <0.0240 | 1.67 | 0.268 | 16 | 26-121 | mg/kg | 02/24/11 15:05 | J |
| Fluoranthene | <0.0380 | 1.67 | 1.44 | 86 | 65-112 | mg/kg | 02/24/11 15:05 | |
| Fluorene | <0.0230 | 1.67 | 1.44 | 86 | 63-107 | mg/kg | 02/24/11 15:05 | |
| Hexachlorobenzene | <0.0230 | 1.67 | 1.27 | 76 | 65-99 | mg/kg | 02/24/11 15:05 | |
| Hexachlorobutadiene | <0.0250 | 1.67 | 1.27 | 76 | 66-102 | mg/kg | 02/24/11 15:05 | |
| Hexachlorocyclopentadiene | <0.0210 | 1.67 | 1.13 | 68 | 41-104 | mg/kg | 02/24/11 15:05 | |
| Hexachloroethane | <0.0270 | 1.67 | 1.22 | 73 | 58-98 | mg/kg | 02/24/11 15:05 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: SVOCs by SW846 8270C

Seq Number: 845292

MB Sample Id: 596123-1-BLK

Matrix: Solid

LCS Sample Id: 596123-1-BKS

Prep Method: SW3550

Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|---------------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Isophorone | <0.0230 | 1.67 | 1.46 | 87 | 69-111 | mg/kg | 02/24/11 15:05 | |
| 2-Methylnaphthalene | <0.0280 | 1.67 | 1.41 | 84 | 62-97 | mg/kg | 02/24/11 15:05 | |
| 2-methylphenol | <0.0350 | 1.67 | 1.32 | 79 | 59-109 | mg/kg | 02/24/11 15:05 | |
| 1-Methylnaphthalene | <0.0270 | 1.67 | 1.41 | 84 | 62-96 | mg/kg | 02/24/11 15:05 | |
| 3&4-Methylphenol | <0.00340 | 3.33 | 2.39 | 72 | 30-55 | mg/kg | 02/24/11 15:05 | J |
| Naphthalene | <0.0210 | 1.67 | 1.31 | 78 | 63-102 | mg/kg | 02/24/11 15:05 | |
| 4-Nitroaniline | <0.0360 | 1.67 | 1.39 | 83 | 46-103 | mg/kg | 02/24/11 15:05 | |
| 3-Nitroaniline | <0.0190 | 1.67 | 1.45 | 87 | 48-94 | mg/kg | 02/24/11 15:05 | |
| 2-Nitroaniline | <0.0180 | 1.67 | 1.59 | 95 | 55-102 | mg/kg | 02/24/11 15:05 | |
| Nitrobenzene | <0.0280 | 1.67 | 1.32 | 79 | 57-110 | mg/kg | 02/24/11 15:05 | |
| 2-Nitrophenol | <0.0180 | 1.67 | 1.17 | 70 | 59-104 | mg/kg | 02/24/11 15:05 | |
| 4-Nitrophenol | <0.0330 | 1.67 | 1.30 | 78 | 49-110 | mg/kg | 02/24/11 15:05 | |
| n-Octadecane | <0.0107 | 1.67 | 1.65 | 99 | 80-123 | mg/kg | 02/24/11 15:05 | |
| di-n-Octyl Phthalate | <0.0450 | 1.67 | 1.47 | 88 | 41-103 | mg/kg | 02/24/11 15:05 | |
| Pentachlorophenol | <0.0250 | 1.67 | 0.629 | 38 | 47-117 | mg/kg | 02/24/11 15:05 | J |
| Phenanthrene | <0.0320 | 1.67 | 1.39 | 83 | 66-107 | mg/kg | 02/24/11 15:05 | |
| Phenol | <0.0340 | 1.67 | 1.29 | 77 | 61-106 | mg/kg | 02/24/11 15:05 | |
| Pyrene | <0.0330 | 1.67 | 1.39 | 83 | 67-110 | mg/kg | 02/24/11 15:05 | |
| 1,2,4-Trichlorobenzene | <0.0260 | 1.67 | 1.24 | 74 | 63-96 | mg/kg | 02/24/11 15:05 | |
| 2,4,6-Trichlorophenol | <0.0280 | 1.67 | 1.30 | 78 | 61-114 | mg/kg | 02/24/11 15:05 | |
| 2,4,5-Trichlorophenol | <0.0270 | 1.67 | 1.27 | 76 | 64-105 | mg/kg | 02/24/11 15:05 | |
| Indeno(1,2,3-c,d)Pyrene | <0.0340 | 1.67 | 1.50 | 90 | 47-137 | mg/kg | 02/24/11 15:05 | |
| N-Nitrosodimethylamine | <0.0430 | 1.67 | 1.13 | 68 | 51-113 | mg/kg | 02/24/11 15:05 | |
| N-Nitrosodi-n-Propylamine | <0.0340 | 1.67 | 1.39 | 83 | 49-108 | mg/kg | 02/24/11 15:05 | |
| N-Nitrosodiphenylamine | <0.0200 | 1.67 | 1.20 | 72 | 53-110 | mg/kg | 02/24/11 15:05 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: SVOCs by SW846 8270C

Seq Number: 845292

Parent Sample Id: 407426-001

Matrix: Solid

MS Sample Id: 407426-001 S

Prep Method: SW3550

Date Prep: 02/24/2011

MSD Sample Id: 407426-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-------------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Acenaphthene | <0.0226 | 1.71 | 1.49 | 87 | 1.59 | 93 | 48-119 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| Acenaphthylene | <0.0308 | 1.71 | 1.41 | 82 | 1.55 | 91 | 63-103 | 9 | 20 | mg/kg | 02/24/11 20:50 | |
| Aniline (Phenylamine, Aminobenzene) | <0.0318 | 1.71 | 1.19 | 70 | 1.21 | 71 | 70-130 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| Anthracene | <0.0359 | 1.71 | 1.41 | 82 | 1.50 | 88 | 59-104 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| Benzo(a)anthracene | <0.0288 | 1.71 | 1.41 | 82 | 1.51 | 88 | 51-119 | 7 | 20 | mg/kg | 02/24/11 20:50 | |
| Benzo(a)pyrene | <0.0257 | 1.71 | 1.47 | 86 | 1.54 | 90 | 62-104 | 5 | 20 | mg/kg | 02/24/11 20:50 | |
| Benzo(b)fluoranthene | <0.0205 | 1.71 | 1.42 | 83 | 1.56 | 91 | 61-108 | 9 | 20 | mg/kg | 02/24/11 20:50 | |
| Benzo(g,h,i)perylene | <0.0277 | 1.71 | 1.50 | 88 | 1.59 | 93 | 44-119 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| Benzo(k)fluoranthene | <0.0339 | 1.71 | 1.56 | 91 | 1.60 | 94 | 60-112 | 3 | 20 | mg/kg | 02/24/11 20:50 | |
| Benzoic Acid | <0.0236 | 1.71 | 0.887 | 52 | 1.06 | 62 | 70-130 | 18 | 20 | mg/kg | 02/24/11 20:50 | J |
| Benzyl Alcohol | <0.0216 | 1.71 | 1.47 | 86 | 1.47 | 86 | 70-130 | 0 | 20 | mg/kg | 02/24/11 20:50 | |
| Benzyl Butyl Phthalate | <0.0195 | 1.71 | 1.40 | 82 | 1.46 | 85 | 70-130 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| bis(2-chloroethoxy) methane | <0.0277 | 1.71 | 1.30 | 76 | 1.35 | 79 | 52-122 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| bis(2-chloroethyl) ether | <0.0318 | 1.71 | 1.23 | 72 | 1.27 | 74 | 70-130 | 3 | 20 | mg/kg | 02/24/11 20:50 | |
| bis(2-chloroisopropyl) ether | <0.0195 | 1.71 | 1.45 | 85 | 1.50 | 88 | 70-130 | 3 | 20 | mg/kg | 02/24/11 20:50 | |
| bis(2-ethylhexyl) phthalate | <0.0226 | 1.71 | 1.43 | 84 | 1.47 | 86 | 70-130 | 3 | 20 | mg/kg | 02/24/11 20:50 | |
| 4-Bromophenyl-phenylether | <0.0308 | 1.71 | 1.35 | 79 | 1.46 | 85 | 70-130 | 8 | 20 | mg/kg | 02/24/11 20:50 | |
| di-n-Butyl Phthalate | <0.0329 | 1.71 | 1.43 | 84 | 1.52 | 89 | 55-140 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| Carbazole | <0.0339 | 1.71 | 1.41 | 82 | 1.44 | 84 | 70-130 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| 4-chloro-3-methylphenol | <0.0257 | 1.71 | 1.40 | 82 | 1.47 | 86 | 60-107 | 5 | 20 | mg/kg | 02/24/11 20:50 | |
| 4-Chloroaniline | <0.0298 | 1.71 | 1.35 | 79 | 1.40 | 82 | 70-130 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| 2-Chloronaphthalene | <0.0216 | 1.71 | 1.35 | 79 | 1.44 | 84 | 70-130 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| 2-Chlorophenol | <0.0349 | 1.71 | 1.34 | 78 | 1.39 | 81 | 49-109 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| 4-Chlorophenyl Phenyl Ether | <0.0205 | 1.71 | 1.33 | 78 | 1.41 | 82 | 70-130 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| Chrysene | <0.0236 | 1.71 | 1.60 | 94 | 1.74 | 102 | 61-106 | 8 | 20 | mg/kg | 02/24/11 20:50 | |
| Dibenz(a,h)anthracene | <0.0277 | 1.71 | 1.51 | 88 | 1.60 | 94 | 47-120 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| Dibenzofuran | <0.0288 | 1.71 | 1.48 | 87 | 1.57 | 92 | 70-130 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| 1,2-Dichlorobenzene | <0.0246 | 1.71 | 1.24 | 73 | 1.24 | 73 | 70-130 | 0 | 20 | mg/kg | 02/24/11 20:50 | |
| 1,3-Dichlorobenzene | <0.0246 | 1.71 | 1.23 | 72 | 1.20 | 70 | 70-130 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| 1,4-Dichlorobenzene | <0.0195 | 1.71 | 1.21 | 71 | 1.21 | 71 | 50-115 | 0 | 20 | mg/kg | 02/24/11 20:50 | |
| 3,3-Dichlorobenzidine | <0.0195 | 1.71 | 1.50 | 88 | 1.59 | 93 | 70-130 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| 2,4-Dichlorophenol | <0.0329 | 1.71 | 1.40 | 82 | 1.45 | 85 | 70-130 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| Diethyl Phthalate | <0.0318 | 1.71 | 1.44 | 84 | 1.54 | 90 | 70-130 | 7 | 20 | mg/kg | 02/24/11 20:50 | |
| Dimethyl Phthalate | <0.00308 | 1.71 | 1.36 | 80 | 1.47 | 86 | 70-130 | 8 | 20 | mg/kg | 02/24/11 20:50 | |
| 2,4-Dimethylphenol | <0.0226 | 1.71 | 1.40 | 82 | 1.47 | 86 | 70-130 | 5 | 20 | mg/kg | 02/24/11 20:50 | |
| 2,4-Dinitrophenol | <0.0442 | 1.71 | 0.142 | 8 | 0.134 | 8 | 44-137 | 6 | 20 | mg/kg | 02/24/11 20:50 | J |
| 2,4-Dinitrotoluene | <0.0298 | 1.71 | 1.46 | 85 | 1.52 | 89 | 56-128 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| 2,6-Dinitrotoluene | <0.0293 | 1.71 | 1.40 | 82 | 1.50 | 88 | 50-158 | 7 | 20 | mg/kg | 02/24/11 20:50 | |
| 1,2-Diphenylhydrazine | <0.0277 | 1.71 | 1.45 | 85 | 1.53 | 89 | 70-130 | 5 | 20 | mg/kg | 02/24/11 20:50 | |
| 4,6-dinitro-2-methyl phenol | <0.0246 | 1.71 | 0.451 | 26 | 0.451 | 26 | 70-181 | 0 | 20 | mg/kg | 02/24/11 20:50 | J |
| Fluoranthene | <0.0390 | 1.71 | 1.43 | 84 | 1.50 | 88 | 59-106 | 5 | 20 | mg/kg | 02/24/11 20:50 | |
| Fluorene | <0.0236 | 1.71 | 1.48 | 87 | 1.58 | 92 | 54-115 | 7 | 20 | mg/kg | 02/24/11 20:50 | |
| Hexachlorobenzene | <0.0236 | 1.71 | 1.33 | 78 | 1.38 | 81 | 70-130 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| Hexachlorobutadiene | <0.0257 | 1.71 | 1.29 | 75 | 1.32 | 77 | 70-130 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| Hexachlorocyclopentadiene | <0.0216 | 1.71 | 0.703 | 41 | 0.713 | 42 | 70-130 | 1 | 20 | mg/kg | 02/24/11 20:50 | J |
| Hexachloroethane | <0.0277 | 1.71 | 1.29 | 75 | 1.27 | 74 | 70-130 | 2 | 20 | mg/kg | 02/24/11 20:50 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: SVOCs by SW846 8270C

Seq Number: 845292

Parent Sample Id: 407426-001

Matrix: Solid

MS Sample Id: 407426-001 S

Prep Method: SW3550

Date Prep: 02/24/2011

MSD Sample Id: 407426-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|---------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Isophorone | <0.0236 | 1.71 | 1.47 | 86 | 1.57 | 92 | 70-130 | 7 | 20 | mg/kg | 02/24/11 20:50 | |
| 2-Methylnaphthalene | <0.0288 | 1.71 | 1.45 | 85 | 1.52 | 89 | 48-100 | 5 | 20 | mg/kg | 02/24/11 20:50 | |
| 2-methylphenol | <0.0359 | 1.71 | 1.37 | 80 | 1.40 | 82 | 70-130 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| 1-Methylnaphthalene | <0.0277 | 1.71 | 1.46 | 85 | 1.49 | 87 | 44-104 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| 3&4-Methylphenol | <0.00349 | 3.42 | 2.46 | 72 | 2.52 | 74 | 70-176 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| Naphthalene | <0.0216 | 1.71 | 1.38 | 81 | 1.43 | 84 | 50-105 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| 4-Nitroaniline | <0.0370 | 1.71 | 1.51 | 88 | 1.52 | 89 | 70-130 | 1 | 20 | mg/kg | 02/24/11 20:50 | |
| 3-Nitroaniline | <0.0195 | 1.71 | 1.55 | 91 | 1.63 | 95 | 70-130 | 5 | 20 | mg/kg | 02/24/11 20:50 | |
| 2-Nitroaniline | <0.0185 | 1.71 | 1.68 | 98 | 1.79 | 105 | 70-130 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| Nitrobenzene | <0.0288 | 1.71 | 1.37 | 80 | 1.46 | 85 | 70-130 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| 2-Nitrophenol | <0.0185 | 1.71 | 1.26 | 74 | 1.35 | 79 | 70-130 | 7 | 20 | mg/kg | 02/24/11 20:50 | |
| 4-Nitrophenol | <0.0339 | 1.71 | 1.72 | 101 | 1.75 | 102 | 22-110 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| n-Octadecane | <0.0110 | 1.71 | 1.70 | 99 | 1.90 | 111 | 80-123 | 11 | 35 | mg/kg | 02/24/11 20:50 | |
| di-n-Octyl Phthalate | <0.0462 | 1.71 | 1.42 | 83 | 1.48 | 87 | 70-130 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| Pentachlorophenol | <0.0257 | 1.71 | 1.15 | 67 | 1.18 | 69 | 10-119 | 3 | 20 | mg/kg | 02/24/11 20:50 | |
| Phenanthrene | <0.0329 | 1.71 | 1.46 | 85 | 1.48 | 87 | 54-120 | 1 | 20 | mg/kg | 02/24/11 20:50 | |
| Phenol | <0.0349 | 1.71 | 1.33 | 78 | 1.35 | 79 | 40-110 | 1 | 20 | mg/kg | 02/24/11 20:50 | |
| Pyrene | <0.0339 | 1.71 | 1.36 | 80 | 1.44 | 84 | 49-125 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| 1,2,4-Trichlorobenzene | <0.0267 | 1.71 | 1.28 | 75 | 1.32 | 77 | 54-117 | 3 | 25 | mg/kg | 02/24/11 20:50 | |
| 2,4,6-Trichlorophenol | <0.0288 | 1.71 | 1.41 | 82 | 1.49 | 87 | 70-130 | 6 | 20 | mg/kg | 02/24/11 20:50 | |
| 2,4,5-Trichlorophenol | <0.0277 | 1.71 | 1.42 | 83 | 1.48 | 87 | 70-130 | 4 | 20 | mg/kg | 02/24/11 20:50 | |
| Indeno(1,2,3-c,d)Pyrene | <0.0349 | 1.71 | 1.53 | 89 | 1.62 | 95 | 70-130 | 6 | 30 | mg/kg | 02/24/11 20:50 | |
| N-Nitrosodimethylamine | <0.0442 | 1.71 | 1.25 | 73 | 1.28 | 75 | 77-160 | 2 | 20 | mg/kg | 02/24/11 20:50 | J |
| N-Nitrosodi-n-Propylamine | <0.0349 | 1.71 | 1.40 | 82 | 1.43 | 84 | 48-133 | 2 | 20 | mg/kg | 02/24/11 20:50 | |
| N-Nitrosodiphenylamine | <0.0205 | 1.71 | 1.24 | 73 | 1.31 | 77 | 70-196 | 5 | 20 | mg/kg | 02/24/11 20:50 | |

Analytical Method: TCLP Herbicides by SW-846 1311/8151A

Seq Number: 846051

MB Sample Id: 596434-1-BLK

Matrix: Water

LCS Sample Id: 596434-1-BKS

Prep Method: SW8151A_EXT

Date Prep: 02/28/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| 2,4,5-TP (Silvex) | <0.0246 | 250 | 0.270 | 108 | 30-180 | mg/L | 03/02/11 14:47 | |
| 2,4-D | <0.0203 | 250 | 0.255 | 102 | 29-146 | mg/L | 03/02/11 14:47 | |

Analytical Method: TCLP Herbicides by SW-846 1311/8151A

Seq Number: 846051

Parent Sample Id: 407308-001

Matrix: Soil

MS Sample Id: 407308-001 S

Prep Method: SW8151A_EXT

Date Prep: 02/28/2011

MSD Sample Id: 407308-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| 2,4,5-TP (Silvex) | <0.0246 | 0.25 | 0.330 | 132 | 0.215 | 86 | 30-180 | 42 | 20 | mg/L | 03/02/11 17:46 | J |
| 2,4-D | <0.0203 | 0.25 | 0.320 | 128 | 0.215 | 86 | 29-146 | 39 | 20 | mg/L | 03/02/11 17:46 | J |

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Analytical Method: TCLP Mercury by SW1311/7470A

Seq Number: 845113

MB Sample Id: 596428-1-BLK

Matrix: Water

LCS Sample Id: 596428-1-BKS

Prep Method: SW7470P

Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|------------|--------------|------------|----------|--------|-------|----------------|------|
| Mercury | <0.0000593 | 2 | 0.00240 | 120 | 75-125 | mg/L | 02/24/11 15:07 | |

Analytical Method: TCLP Mercury by SW1311/7470A

Seq Number: 845113

Parent Sample Id: 407308-001

Matrix: Soil

MS Sample Id: 407308-001 S

Prep Method: SW7470P

Date Prep: 02/24/2011

MSD Sample Id: 407308-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Mercury | <0.0000593 | 0.002 | 0.00237 | 119 | 0.00238 | 119 | 75-125 | 0 | 20 | mg/L | 02/24/11 15:09 | |

Analytical Method: TCLP Metals by SW846-1311/6010B

Seq Number: 846788

MB Sample Id: 596472-1-BLK

Matrix: Water

LCS Sample Id: 596472-1-BKS

Prep Method: SW3010A

Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Arsenic | 0.0172 | 1000 | 1.04 | 104 | 75-125 | mg/L | 03/02/11 06:56 | |
| Barium | 0.0576 | 1000 | 0.963 | 96 | 75-125 | mg/L | 03/02/11 06:56 | |
| Cadmium | <0.00110 | 1000 | 0.922 | 92 | 75-125 | mg/L | 03/02/11 06:56 | |
| Chromium | 0.00279 | 1000 | 0.926 | 93 | 0-125 | mg/L | 03/02/11 06:56 | |
| Lead | <0.00470 | 1000 | 0.892 | 89 | 75-125 | mg/L | 03/02/11 06:56 | |
| Selenium | <0.00670 | 1000 | 1.09 | 109 | 75-125 | mg/L | 03/02/11 06:56 | |
| Silver | <0.00540 | 500 | 0.511 | 102 | 75-125 | mg/L | 03/02/11 06:56 | |

Analytical Method: TCLP Metals by SW846-1311/6010B

Seq Number: 846788

Parent Sample Id: 407308-001

Matrix: Soil

MS Sample Id: 407308-001 S

Prep Method: SW3010A

Date Prep: 02/24/2011

MSD Sample Id: 407308-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Arsenic | 0.0253 | 1 | 1.16 | 113 | 1.15 | 112 | 75-125 | 1 | 20 | mg/L | 03/02/11 07:15 | |
| Barium | 0.0343 | 1 | 1.10 | 107 | 1.09 | 106 | 75-125 | 1 | 20 | mg/L | 03/02/11 07:15 | |
| Cadmium | <0.00110 | 1 | 1.04 | 104 | 1.03 | 103 | 75-125 | 1 | 20 | mg/L | 03/02/11 07:15 | |
| Chromium | 0.00307 | 1 | 1.04 | 104 | 1.03 | 103 | 0-125 | 1 | 20 | mg/L | 03/02/11 07:15 | |
| Lead | <0.00470 | 1 | 0.989 | 99 | 0.982 | 98 | 75-125 | 1 | 20 | mg/L | 03/02/11 07:15 | |
| Selenium | <0.00670 | 1 | 1.20 | 120 | 1.19 | 119 | 75-125 | 1 | 20 | mg/L | 03/02/11 07:15 | |
| Silver | <0.00540 | 0.5 | 0.479 | 96 | 0.463 | 93 | 75-125 | 3 | 20 | mg/L | 03/02/11 07:15 | |

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Analytical Method: TCLP SVOCs by SW846 8270C

Seq Number: 845636

MB Sample Id: 596536-1-BLK

Matrix: Water

LCS Sample Id: 596536-1-BKS

Prep Method: SW3510C

Date Prep: 02/28/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| 1,4-Dichlorobenzene | <0.00140 | 0.25 | 0.173 | 69 | 30-116 | mg/L | 02/28/11 16:10 | |
| 2,4,5-Trichlorophenol | <0.00190 | 0.25 | 0.237 | 95 | 45-127 | mg/L | 02/28/11 16:10 | |
| 2,4,6-Trichlorophenol | <0.00140 | 0.25 | 0.237 | 95 | 49-131 | mg/L | 02/28/11 16:10 | |
| 2,4-Dinitrotoluene | <0.00160 | 0.25 | 0.235 | 94 | 37-138 | mg/L | 02/28/11 16:10 | |
| 2-methylphenol | <0.00110 | 0.25 | 0.187 | 75 | 28-102 | mg/L | 02/28/11 16:10 | |
| 3&4-Methylphenol | <0.00115 | 0.5 | 0.322 | 64 | 24-76 | mg/L | 02/28/11 16:10 | |
| Hexachlorobenzene | <0.00160 | 0.25 | 0.237 | 95 | 63-131 | mg/L | 02/28/11 16:10 | |
| Hexachlorobutadiene | <0.00230 | 0.25 | 0.197 | 79 | 28-121 | mg/L | 02/28/11 16:10 | |
| Hexachloroethane | <0.00180 | 0.25 | 0.196 | 78 | 18-131 | mg/L | 02/28/11 16:10 | |
| Nitrobenzene | <0.00160 | 0.25 | 0.231 | 92 | 44-132 | mg/L | 02/28/11 16:10 | |
| Pentachlorophenol | <0.00350 | 0.25 | 0.200 | 80 | 16-150 | mg/L | 02/28/11 16:10 | |
| Pyridine | <0.0445 | 0.25 | 0.0889 | 36 | 10-77 | mg/L | 02/28/11 16:10 | |

Analytical Method: TCLP SVOCs by SW846 8270C

Seq Number: 845636

Parent Sample Id: 407308-001

Matrix: Soil

MS Sample Id: 407308-001 S

Prep Method: SW3510C

Date Prep: 02/28/2011

MSD Sample Id: 407308-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| 1,4-Dichlorobenzene | <0.00140 | 0.25 | 0.145 | 58 | 0.159 | 64 | 30-116 | 9 | 20 | mg/L | 02/28/11 16:45 | |
| 2,4,5-Trichlorophenol | <0.00190 | 0.25 | 0.214 | 86 | 0.218 | 87 | 45-127 | 2 | 20 | mg/L | 02/28/11 16:45 | |
| 2,4,6-Trichlorophenol | <0.00140 | 0.25 | 0.206 | 82 | 0.220 | 88 | 49-131 | 7 | 20 | mg/L | 02/28/11 16:45 | |
| 2,4-Dinitrotoluene | <0.00160 | 0.25 | 0.203 | 81 | 0.213 | 85 | 37-138 | 5 | 20 | mg/L | 02/28/11 16:45 | |
| 2-methylphenol | <0.00110 | 0.25 | 0.162 | 65 | 0.158 | 63 | 28-102 | 3 | 20 | mg/L | 02/28/11 16:45 | |
| 3&4-Methylphenol | <0.00115 | 0.5 | 0.284 | 57 | 0.273 | 55 | 24-76 | 4 | 20 | mg/L | 02/28/11 16:45 | |
| Hexachlorobenzene | <0.00160 | 0.25 | 0.202 | 81 | 0.219 | 88 | 63-131 | 8 | 20 | mg/L | 02/28/11 16:45 | |
| Hexachlorobutadiene | <0.00230 | 0.25 | 0.167 | 67 | 0.177 | 71 | 28-121 | 6 | 20 | mg/L | 02/28/11 16:45 | |
| Hexachloroethane | <0.00180 | 0.25 | 0.162 | 65 | 0.176 | 70 | 18-131 | 8 | 20 | mg/L | 02/28/11 16:45 | |
| Nitrobenzene | <0.00160 | 0.25 | 0.197 | 79 | 0.206 | 82 | 44-132 | 4 | 20 | mg/L | 02/28/11 16:45 | |
| Pentachlorophenol | <0.00350 | 0.25 | 0.185 | 74 | 0.193 | 77 | 16-150 | 4 | 20 | mg/L | 02/28/11 16:45 | |
| Pyridine | <0.0445 | 0.25 | 0.108 | 43 | 0.120 | 48 | 10-77 | 11 | 20 | mg/L | 02/28/11 16:45 | |

Analytical Method: Total Cyanide (Colorimetric, Automated UV) by SW-846 9012

Seq Number: 844869

MB Sample Id: 844869-1-BLK

Matrix: Solid

LCS Sample Id: 844869-1-BKS

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|----------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Cyanide, Total | <0.0274 | 2.4 | 2.55 | 106 | 85-115 | mg/kg | 02/23/11 13:15 | |

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Analytical Method: Total Cyanide (Colorimetric, Automated UV) by SW-846 9012

Seq Number: 844869

Matrix: Soil

Parent Sample Id: 407308-001

MS Sample Id: 407308-001 S

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|----------------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Cyanide, Total | 1.19 | 14.5 | 14.0 | 88 | 85-115 | mg/kg | 02/23/11 13:19 | |

Analytical Method: Total Cyanide (Colorimetric, Automated UV) by SW-846 9012

Seq Number: 844869

Matrix: Soil

Parent Sample Id: 407308-001

MD Sample Id: 407308-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|----------------|---------------|-----------|------|-----------|-------|----------------|------|
| Cyanide, Total | 1.19 | 1.10 | 8 | 20 | mg/kg | 02/23/11 13:23 | |

Analytical Method: Percent Moisture

Seq Number: 844733

Matrix: Soil

Parent Sample Id: 407318-004

MD Sample Id: 407318-004 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------|---------------|-----------|------|-----------|-------|----------------|------|
| Percent Moisture | 2.95 | 3.04 | 3 | 20 | % | 02/22/11 09:48 | |

Analytical Method: Percent Moisture

Seq Number: 844733

Matrix: Soil

Parent Sample Id: 407428-001

MD Sample Id: 407428-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|------------------|---------------|-----------|------|-----------|-------|----------------|------|
| Percent Moisture | 19.6 | 19.7 | 1 | 20 | % | 02/22/11 09:48 | |

Analytical Method: PCBs by EPA 8082

Seq Number: 845526

Matrix: Solid

Prep Method: SW3550

MB Sample Id: 596119-1-BLK

LCS Sample Id: 596119-1-BKS

Date Prep: 02/21/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| PCB-1016 | <2.07 | 333 | 290.000 | 87 | 51-122 | ug/kg | 02/25/11 15:44 | |
| PCB-1260 | <2.67 | 333 | 333.000 | 100 | 46-138 | ug/kg | 02/25/11 15:44 | |

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Analytical Method: PCBs by EPA 8082

Seq Number: 845526

Parent Sample Id: 407122-002

Matrix: Soil

MS Sample Id: 407122-002 S

Prep Method: SW3550

Date Prep: 02/23/2011

MSD Sample Id: 407122-002 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| PCB-1016 | <3.43 | 553 | 392.000 | 71 | 318.000 | 58 | 51-122 | 21 | 20 | ug/kg | 02/25/11 16:10 | J |
| PCB-1260 | 229 | 553 | 661.000 | 78 | 547.000 | 58 | 46-138 | 19 | 20 | ug/kg | 02/25/11 16:10 | |

Analytical Method: TCLP Pesticides by SW8081A

Seq Number: 845251

MB Sample Id: 596232-1-BLK

Matrix: Water

LCS Sample Id: 596232-1-BKS

Prep Method: SW3510C

Date Prep: 02/24/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|---------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Endrin | <0.00179 | 50 | 0.049 | 98 | 10-170 | mg/L | 02/25/11 00:34 | |
| Gamma-BHC (Lindane) | <0.00141 | 50 | 0.045 | 90 | 10-150 | mg/L | 02/25/11 00:34 | |
| Heptachlor | <0.00288 | 50 | 0.040 | 80 | 11-141 | mg/L | 02/25/11 00:34 | |

Analytical Method: TCLP Pesticides by SW8081A

Seq Number: 845251

Parent Sample Id: 407144-001

Matrix: Sludge

MS Sample Id: 407144-001 S

Prep Method: SW3510C

Date Prep: 02/24/2011

MSD Sample Id: 407144-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|---------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Endrin | <0.00179 | 50 | 0.046 | 92 | 0.050 | 100 | 10-170 | 8 | 20 | mg/L | 02/25/11 00:55 | |
| Gamma-BHC (Lindane) | <0.00141 | 50 | 0.043 | 86 | 0.046 | 92 | 10-150 | 7 | 20 | mg/L | 02/25/11 00:55 | |
| Heptachlor | <0.00288 | 50 | 0.037 | 74 | 0.042 | 84 | 11-141 | 13 | 20 | mg/L | 02/25/11 00:55 | |

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Analytical Method: **Organochlorine Pesticides by EPA 8081A**

Seq Number: 845040

Matrix: Solid

Prep Method: SW3550

Date Prep: 02/23/2011

MB Sample Id: 596116-1-BLK

LCS Sample Id: 596116-1-BKS

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|---------------------|--------------|-----------------|---------------|-------------|--------|-------|------------------|------|
| 4,4-DDD | <0.147 | 33.3 | 23.900 | 72 | 9-186 | ug/kg | 02/24/11 02:03 | |
| 4,4-DDE | <0.168 | 33.3 | 25.000 | 75 | 12-186 | ug/kg | 02/24/11 02:03 | |
| 4,4-DDT | <0.362 | 33.3 | 23.400 | 70 | 27-202 | ug/kg | 02/24/11 02:03 | |
| Aldrin | <0.132 | 33.3 | 23.200 | 70 | 14-170 | ug/kg | 02/24/11 02:03 | |
| Alpha-BHC | <0.338 | 33.3 | 23.200 | 70 | 13-166 | ug/kg | 02/24/11 02:03 | |
| Alpha-Chlordane | <0.190 | 33.3 | 24.000 | 72 | 17-193 | ug/kg | 02/24/11 02:03 | |
| Beta-BHC | <0.225 | 33.3 | 21.400 | 64 | 1-158 | ug/kg | 02/24/11 02:03 | |
| Delta-BHC | <0.438 | 33.3 | 23.100 | 69 | 40-151 | ug/kg | 02/24/11 02:03 | |
| Dieldrin | <0.150 | 33.3 | 25.300 | 76 | 12-179 | ug/kg | 02/24/11 02:03 | |
| Endosulfan I | <0.168 | 33.3 | 24.100 | 72 | 3-168 | ug/kg | 02/24/11 02:03 | |
| Endosulfan II | <0.308 | 33.3 | 23.600 | 71 | 1-174 | ug/kg | 02/24/11 02:03 | |
| Endosulfan Sulfate | <0.0550 | 33.3 | 23.600 | 71 | 11-188 | ug/kg | 02/24/11 02:03 | |
| Endrin | <0.172 | 33.3 | 24.600 | 74 | 14-178 | ug/kg | 02/24/11 02:03 | |
| Endrin Aldehyde | <0.163 | 33.3 | 23.000 | 69 | 3-179 | ug/kg | 02/24/11 02:03 | |
| Endrin Ketone | <0.140 | 33.3 | 25.200 | 76 | 1-177 | ug/kg | 02/24/11 02:03 | |
| Gamma-BHC (Lindane) | <0.522 | 33.3 | 23.200 | 70 | 12-165 | ug/kg | 02/24/11 02:03 | |
| Gamma-Chlordane | <0.135 | 33.3 | 24.500 | 74 | 2-168 | ug/kg | 02/24/11 02:03 | |
| Heptachlor | <0.210 | 33.3 | 23.900 | 72 | 13-169 | ug/kg | 02/24/11 02:03 | |
| Heptachlor Epoxide | <0.195 | 33.3 | 23.700 | 71 | 5-166 | ug/kg | 02/24/11 02:03 | |
| Methoxychlor | <0.313 | 33.3 | 24.600 | 74 | 30-208 | ug/kg | 02/24/11 02:03 | |

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Analytical Method: Organochlorine Pesticides by EPA 8081A

Seq Number: 845040

Parent Sample Id: 407308-001

Matrix: Soil

MS Sample Id: 407308-001 S

Prep Method: SW3550

Date Prep: 02/23/2011

MSD Sample Id: 407308-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|---------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| 4,4-DDD | <0.889 | 202 | 67.800 | 34 | 84.200 | 42 | 9-186 | 22 | 25 | ug/kg | 02/24/11 03:02 | |
| 4,4-DDE | <1.02 | 202 | 83.400 | 41 | 86.900 | 43 | 12-186 | 4 | 25 | ug/kg | 02/24/11 03:02 | |
| 4,4-DDT | <2.19 | 202 | 61.900 | 31 | 81.000 | 40 | 27-202 | 27 | 25 | ug/kg | 02/24/11 03:02 | J |
| Aldrin | <0.798 | 202 | 65.800 | 33 | 72.100 | 36 | 14-170 | 9 | 25 | ug/kg | 02/24/11 03:02 | |
| Alpha-BHC | <2.05 | 202 | 67.000 | 33 | 96.600 | 48 | 13-166 | 36 | 25 | ug/kg | 02/24/11 03:02 | J |
| Alpha-Chlordane | <1.15 | 202 | 68.200 | 34 | 87.400 | 43 | 17-193 | 25 | 25 | ug/kg | 02/24/11 03:02 | |
| Beta-BHC | <1.36 | 202 | 59.100 | 29 | 81.100 | 40 | 1-158 | 31 | 25 | ug/kg | 02/24/11 03:02 | J |
| Delta-BHC | <2.66 | 202 | 69.600 | 34 | 87.700 | 43 | 40-151 | 23 | 25 | ug/kg | 02/24/11 03:02 | J |
| Dieldrin | <0.909 | 202 | 67.000 | 33 | 88.800 | 44 | 12-179 | 28 | 25 | ug/kg | 02/24/11 03:02 | J |
| Endosulfan I | <1.02 | 202 | 64.800 | 32 | 85.400 | 42 | 3-168 | 27 | 25 | ug/kg | 02/24/11 03:02 | J |
| Endosulfan II | <1.87 | 202 | 58.900 | 29 | 84.400 | 42 | 1-174 | 36 | 25 | ug/kg | 02/24/11 03:02 | J |
| Endosulfan Sulfate | <0.333 | 202 | 79.300 | 39 | 103.000 | 51 | 11-188 | 26 | 25 | ug/kg | 02/24/11 03:02 | J |
| Endrin | <1.04 | 202 | 62.100 | 31 | 83.900 | 42 | 14-178 | 30 | 25 | ug/kg | 02/24/11 03:02 | J |
| Endrin Aldehyde | <0.990 | 202 | 18.100 | 9 | 18.000 | 9 | 3-179 | 1 | 25 | ug/kg | 02/24/11 03:02 | |
| Endrin Ketone | <0.848 | 202 | 69.600 | 34 | 98.800 | 49 | 1-177 | 35 | 25 | ug/kg | 02/24/11 03:02 | J |
| Gamma-BHC (Lindane) | <3.16 | 202 | 65.900 | 33 | 83.000 | 41 | 12-165 | 23 | 25 | ug/kg | 02/24/11 03:02 | |
| Gamma-Chlordane | <0.818 | 202 | 374.000 | 185 | 313.000 | 155 | 2-168 | 18 | 25 | ug/kg | 02/24/11 03:02 | J |
| Heptachlor | <1.27 | 202 | 66.600 | 33 | 82.400 | 41 | 13-169 | 21 | 25 | ug/kg | 02/24/11 03:02 | |
| Heptachlor Epoxide | <1.18 | 202 | 79.600 | 39 | 77.300 | 38 | 5-166 | 3 | 25 | ug/kg | 02/24/11 03:02 | |
| Methoxychlor | <1.90 | 202 | 58.600 | 29 | 77.800 | 39 | 30-208 | 28 | 25 | ug/kg | 02/24/11 03:02 | J |

Analytical Method: VOAs by SW-846 8260B

Seq Number: 845082

MB Sample Id: 596348-1-BLK

Matrix: Solid

LCS Sample Id: 596348-1-BKS

Prep Method: SW5030B

Date Prep: 02/23/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|--------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| 1,1-Dichloroethene | <0.000442 | 0.05 | 0.0514 | 103 | 69-143 | mg/kg | 02/23/11 20:30 | |
| Benzene | <0.000460 | 0.05 | 0.0486 | 97 | 73-128 | mg/kg | 02/23/11 20:30 | |
| Chlorobenzene | <0.000128 | 0.05 | 0.0452 | 90 | 68-124 | mg/kg | 02/23/11 20:30 | |
| Toluene | <0.000909 | 0.05 | 0.0477 | 95 | 67-116 | mg/kg | 02/23/11 20:30 | |
| Trichloroethylene | <0.000505 | 0.05 | 0.0496 | 99 | 68-131 | mg/kg | 02/23/11 20:30 | |

Analytical Method: VOAs by SW-846 8260B

Seq Number: 845082

Parent Sample Id: 407345-015

Matrix: Soil

MS Sample Id: 407345-015 S

Prep Method: SW5030B

Date Prep: 02/23/2011

MSD Sample Id: 407345-015 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| 1,1-Dichloroethene | <0.000503 | 0.0569 | 0.0602 | 106 | 0.0585 | 103 | 69-143 | 3 | 20 | mg/kg | 02/23/11 21:01 | |
| Benzene | <0.000524 | 0.0569 | 0.0562 | 99 | 0.0555 | 98 | 73-128 | 1 | 20 | mg/kg | 02/23/11 21:01 | |
| Chlorobenzene | <0.000145 | 0.0569 | 0.0533 | 94 | 0.0528 | 93 | 68-124 | 1 | 20 | mg/kg | 02/23/11 21:01 | |
| Toluene | <0.00104 | 0.0569 | 0.0550 | 97 | 0.0544 | 96 | 67-116 | 1 | 20 | mg/kg | 02/23/11 21:01 | |
| Trichloroethylene | <0.000575 | 0.0569 | 0.0582 | 102 | 0.0577 | 101 | 68-131 | 1 | 20 | mg/kg | 02/23/11 21:01 | |

Miami Dade Water & Sewer-South District, Miami, FL
ANNUAL PRIORITY POLLUTANTS

Analytical Method: TCLP VOAs by EPA 8260B

Seq Number: 845078

MB Sample Id: 596198-1-BLK

Matrix: Water

LCS Sample Id: 596198-1-BKS

Prep Method: SW5030B

Date Prep: 02/22/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|----------------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Benzene | <0.0125 | 2500 | 2.53 | 101 | 66-142 | mg/L | 02/23/11 10:22 | |
| 2-Butanone | <0.0843 | 2500 | 3.40 | 136 | 75-125 | mg/L | 02/23/11 10:22 | J |
| Carbon Tetrachloride | <0.0114 | 2500 | 2.70 | 108 | 62-125 | mg/L | 02/23/11 10:22 | |
| Chlorobenzene | <0.00882 | 2500 | 2.38 | 95 | 60-133 | mg/L | 02/23/11 10:22 | |
| Chloroform | 0.00973 | 2500 | 2.50 | 100 | 74-125 | mg/L | 02/23/11 10:22 | |
| 1,2-Dichloroethane | <0.00605 | 2500 | 2.68 | 107 | 68-127 | mg/L | 02/23/11 10:22 | |
| 1,1-Dichloroethene | <0.00694 | 2500 | 2.61 | 104 | 59-172 | mg/L | 02/23/11 10:22 | |
| Tetrachloroethylene | <0.00489 | 2500 | 2.59 | 104 | 71-125 | mg/L | 02/23/11 10:22 | |
| Trichloroethene | <0.0179 | 2500 | 2.59 | 104 | 62-137 | mg/L | 02/23/11 10:22 | |
| Vinyl Chloride | <0.00960 | 2500 | 1.88 | 75 | 75-125 | mg/L | 02/23/11 10:22 | |

Analytical Method: TCLP VOAs by EPA 8260B

Seq Number: 845078

Parent Sample Id: 407144-001

Matrix: Sludge

MS Sample Id: 407144-001 S

Prep Method: SW5030B

Date Prep: 02/22/2011

MSD Sample Id: 407144-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|----------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Benzene | <0.0125 | 2500 | 1.90 | 76 | 1.54 | 62 | 66-142 | 21 | 21 | mg/L | 02/23/11 18:09 | J |
| 2-Butanone | 0.271 | 2500 | 2.88 | 104 | 2.58 | 92 | 75-125 | 11 | 20 | mg/L | 02/23/11 18:09 | |
| Carbon Tetrachloride | <0.0114 | 2500 | 1.86 | 74 | 1.50 | 60 | 62-125 | 21 | 20 | mg/L | 02/23/11 18:09 | J |
| Chlorobenzene | <0.00882 | 2500 | 1.31 | 52 | 0.822 | 33 | 60-133 | 46 | 21 | mg/L | 02/23/11 18:09 | J |
| Chloroform | <0.00609 | 2500 | 1.98 | 79 | 1.72 | 69 | 74-125 | 14 | 20 | mg/L | 02/23/11 18:09 | J |
| 1,2-Dichloroethane | <0.00605 | 2500 | 2.25 | 90 | 2.06 | 82 | 68-127 | 9 | 20 | mg/L | 02/23/11 18:09 | |
| 1,1-Dichloroethene | <0.00694 | 2500 | 2.11 | 84 | 1.82 | 73 | 59-172 | 15 | 22 | mg/L | 02/23/11 18:09 | |
| Tetrachloroethylene | <0.00489 | 2500 | 1.18 | 47 | 0.671 | 27 | 71-125 | 55 | 20 | mg/L | 02/23/11 18:09 | J |
| Trichloroethene | <0.0179 | 2500 | 1.70 | 68 | 1.17 | 47 | 62-137 | 37 | 24 | mg/L | 02/23/11 18:09 | J |
| Vinyl Chloride | <0.00960 | 2500 | 2.14 | 86 | 1.94 | 78 | 75-125 | 10 | 20 | mg/L | 02/23/11 18:09 | |

Client: Miami Dade Water & Sewer-South District

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 02/18/2011 06:00:00 PM

Temperature Measuring device used :

Work Order #: 407308

Sample Receipt Checklist

Comments

| | |
|--|-----|
| #1 *Temperature of cooler(s)? | 3.6 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received on ice? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A |
| #5 Custody Seals intact on sample bottles/ container? | N/A |
| #6 *Custody Seals Signed and dated for Containers/coolers | N/A |
| #7 *Chain of Custody present? | Yes |
| #9 Any missing/extra samples? | No |
| #10 Chain of Custody signed when relinquished/ received? | Yes |
| #11 Chain of Custody agrees with sample label(s)? | Yes |
| #12 Container label(s) legible and intact? | Yes |
| #13 Sample matrix/ properties agree with Chain of Custody? | Yes |
| #14 Samples in proper container/ bottle? | Yes |
| #15 Samples properly preserved? | Yes |
| #16 Sample container(s) intact? | Yes |
| #17 Sufficient sample amount for indicated test(s)? | Yes |
| #18 All samples received within hold time? | Yes |
| #19 Subcontract of sample(s)? | No |
| #20 VOC samples have zero headspace (less than 1/4 inch bubble)? | Yes |
| #21 <2 for all samples preserved with HNO3,HCL, H2SO4? | N/A |
| #22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH? | N/A |

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

| | | |
|----------|-----|----------------|
| Analyst: | RKH | PH Device/Lot# |
|----------|-----|----------------|

NonConformance:

Batch 845292 8270: Spike Recovery in the LCS was outside method control limits for compounds flagged with "J". Analytes were BDL. NELAC criteria allows 5 compounds to have spike recovery outside method control limits when full list 8270 is spiked.

Batch 845040 8081: % RPD was outside method control limits between the MS and MSD in the spiked parent sample-407308-001. LCS recovery passed for compounds. Affected compounds flagged with "J2".

Batch 846051 8151-TCLP: % RPD was outside method control limits between the MS and MSD in the spiked parent sample-407308-001. LCS recovery passed for compounds. Affected compounds flagged with "J2".

Batch 845078 8260 TCLP: 2- Butanone had spike recovery above method criteria in the LCS. Analyte is BDL, compound flagged with "J".

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date/Time :** _____

Client: Miami Dade Water & Sewer-South District

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 02/18/2011 06:00:00 PM

Work Order #: 407308

Sample Receipt Checklist

Checklist completed by:

R. Khusainov

Robert Khusainov

Date: 02/18/2011

Checklist reviewed by:

Mike Kimmel

Mike Kimmel

Date: 03/09/2011



CHAIN OF CUSTODY RECORD

Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800

Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 408-429-8022

Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373

Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

Miami: 14100 Palmetto Frontage Rd, Miami Lakes, FL 33016 305-823-8500

Page 1 of 1

Lab W.O.

407308

Field Billable Hrs:

* Container Type Codes

VA Vial Amber ES Encore Sampler
VC Vial Clear TS TerraCore Sampler
VP Vial Pre-preserved AC Air Canister
GA Glass Amber TB Tedlar Bag
GC Glass Clear ZB Zip Lock Bag
PA Plastic Amber PC Plastic Clear

Other:

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other
Example: 4ozGC = 4oz Glass Clear
40mlVP = 40ml Vial Pre-preserved

** Preservative Type Codes

A. None E. HCL I. Ice
B. HNO₃ F. MeOH J. MCAA
C. H₂SO₄ G. Na₂S₂O₃ K. ZnAc&NaOH
D. NaOH H. NaHSO₄ L. Asbc Acid&NaOH
O.

^ Matrix Type Codes

GW Ground Water S Soil/Sediment/Solid
WW Waste Water W Wipe
DW Drinking Water A Air
SW Surface Water O Oil
OW Ocean/Sea Water T Tissue
PL Product-Liquid U Urine
PS Product-Solid B Blood
SL Sludge
Other:

Company: MIAMI-DADE WATER & SEWER PO #

Address: 8950 SW 232 ST Quote #

City: MIAMI State: FL Zip: 33190

PM/Attn: CLIVE POWELL Phone: 786-268-5631

email: cpowe@miamidadegov Fax: 786-268-5712

Project Name: Annual Priority Pollutants Project ID:

Sampler Signature: [Signature] Circle One Event: Daily Weekly Monthly

Quarterly Semi-Annual Annual N/A

Sample # Sample ID Collect Date Collect Time Matrix Code ^ Composite or Grab or Field Filled Total # of containers

1 SD DENATERIAK CAKE 2/18/11 1010 S G 7

2

3

4

5

6

7

8

9

0

TAT Work Days = D Need results by: Time:

Std (5-10D) 6Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

Cont Type* GC GC GC

Pres Type** A A A

COMPLETE TCLP COMPLETE PRIORITY POLLUTANTS PAINT FILTER TEST

Hold Sample (CALL) Additions:

Cont Lab Only:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

7 8 9 10 11 12 13 14 15 16 17 18 19 20

8 9 10 11 12 13 14 15 16 17 18 19 20

9 10 11 12 13 14 15 16 17 18 19 20

10 11 12 13 14 15 16 17 18 19 20

11 12 13 14 15 16 17 18 19 20

12 13 14 15 16 17 18 19 20

13 14 15 16 17 18 19 20

14 15 16 17 18 19 20

15 16 17 18 19 20

16 17 18 19 20

17 18 19 20

18 19 20

19 20

20

REMARKS

Please include
Molybdenum
Dibromoethane
2-methyl-4,6-dinitrophenol
2,3,7,8-tetrachlorodibenzo
-P-DIOXIN
Mercury

| Reg. Program / Clean-up Std | | STATE for Certs & Regs | | QA/QC Level & Certification | | EDDs | | COC & Labels | | Coolers Temp °C | | Lab Use Only | |
|-----------------------------|------|------------------------|-------|-----------------------------|--------|------|----|--------------|----|-----------------|----|--------------|-------|
| CTLS | TRRP | DW | NPDES | LPST | DryCln | FL | TX | GA | NC | SC | NJ | PA | Other |
| Other: | | | | | | OK | LA | AL | IL | Other: | | | |
| Relinquished by | | Affiliation | | Date | | Time | | Received by | | Affiliation | | Date | |
| 1 [Signature] | | MDWASD | | 2/18/11 | | 1203 | | [Signature] | | XENCO | | 2/18/11 | |
| 2 [Signature] | | [Signature] | | 2/18/11 | | 1500 | | [Signature] | | [Signature] | | 2/18/11 | |
| 3 [Signature] | | [Signature] | | 2/18/11 | | 1630 | | [Signature] | | [Signature] | | 2/18/11 | |
| 4 [Signature] | | [Signature] | | 2/18/11 | | 1800 | | [Signature] | | [Signature] | | 2/18/11 | |

Non-Conformances found? _____
Samples intact upon arrival? _____
Received on Wet Ice? _____
Labeled with proper preservatives? _____
Received within holding time? _____
Custody seals intact? _____
VOCs rec'd w/o headspace? _____
Proper containers used? _____
pH verified-acceptable, excl VOCs? _____
Received on time to meet HTS? _____

FTS: Philadelphia 610-955-5649 South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371 Dallas 214-902-0300 Houston 281-240-4200 Odessa 432-563-1800 San Antonio 210-509-3334

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.

Property of XENCO - Revision Date: Nov 12, 2009

C.O.C. Serial #

290964

XENCO LABORATORIES

Container Receipt Verification Form

Work Order Number: _____

407308

Chain of Custody Number(s): _____

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Final 1,000

| Tests | Container Type/ Pres. | |
|-------|--------------------------|---|
| | Gal GA | 1 - 7 |
| | 32oz N/M GA | |
| | 32oz N/M GA | |
| | 32oz N/M GA | |
| | 32oz W/M GA | |
| | VOA | |
| | VOA | |
| | VOA | |
| | 120mL P w. Pill | |
| | 4oz Plastic | |
| | 4oz Plastic | |
| | 250mL HDPE | |
| | 250mL HDPE | |
| | 500mL HDPE | |
| | 500mL HDPE | |
| | 500mL HDPE | |
| | 1L HDPE | |
| | 1L HDPE | |
| | 9oz GC | Complete for priority Redden Parent's letter Rest |
| | 9oz GC | |
| | 9oz GC | |
| | 4oz GC | |
| | 4oz GC | |
| | 2oz GC | |
| | 2oz GC | |
| | Tedlar Bag | |
| | Ampules | |
| | Other | |
| | Comments | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Abbreviations:

Gal GA = One gallon amber
32oz N/M GA = 32 oz Amberglass
VOA = 40mL vials
32oz W/M GA = 32 oz Wide Mouth Amberglass

1L HDPE = 1L (1000mL) Plastic Bottle
500mL HDPE = 500mL Plastic Bottle
250mL HDPE = 250mL Plastic Bottle

8oz GC = 8oz Soil Jar
4oz GC = 4oz Soil Jar
2oz GC = 2oz soil jar

120mL Plastic w. Pill = BacT
Zip = Ziplock Bag
4oz Plastic = 4oz Plastic Bottle

HCl = Hydrochloric Acid
H2SO4 = Sulfuric Acid
NaOH = Sodium Hydroxide
MeOH = Methanol
HNO3 = Nitric Acid
ZnAC = Zinc Acetate
Na2S2O3 = Sodium Thiosulfate

NH4Cl2 = Ammonium Chloride
DI H2O = DI Water
MCAA = Monochloroacetic Acid

Reviewed By: _____

Analytical Report 408490

for

Miami Dade Water & Sewer-South District

Project Manager: CLIVE POWELL

Annual Priority Pollutants

16-MAR-11



Genapure™
Analytical Services, Inc.



3231 NW 7th Avenue, Boca Raton, FL 33431

Ph:(561) 447-7373 Fax:(561) 447-6136

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)



16-MAR-11

Project Manager: **CLIVE POWELL**
Miami Dade Water & Sewer-South District
8950 SW 232 Street
Miami, FL 33190

Reference: XENCO Report No: **408490**
Annual Priority Pollutants
Project Address:

CLIVE POWELL:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 408490. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 408490 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Mike Kimmel
Office Manager

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Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 408490

Miami Dade Water & Sewer-South District, Miami, FL
Annual Priority Pollutants

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|----------------------|---------------|-----------------------|---------------------|----------------------|
| SD-Combined Effluent | W | Feb-18-11 00:00 | | 408490-001 |
| SD-Plant 1 Influent | W | Feb-18-11 00:00 | | 408490-002 |
| SD-Plant 2 Influent | W | Feb-18-11 00:00 | | 408490-003 |

Miami Dade Water & Sewer-South District, Miami, FL
Annual Priority Pollutants

| | | |
|--|--|--------------------|
| Sample Id: SD-Combined Effluent | Matrix: Waste Water | % Moisture: |
| Lab Sample Id: 408490-001 | Date Collected: Feb-18-11 00:00 | |
| | Date Received: Mar-02-11 15:20 | |

| | | |
|--|---------------------------|-------------------|
| Analytical Method: Total Cyanide by EPA 335.4 | Analyst: RGF | Tech: 4137 |
| | Seq Number: 846372 | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|----------------|------------|---------|---------|---------|-------|----------------|------|-----|
| Cyanide, Total | 57-12-5 | 0.00958 | 0.00500 | 0.00240 | mg/L | 03/04/11 16:06 | | 1 |

| | | | |
|--|---------------------------|-----------------------------------|----------------------------|
| Analytical Method: Total Phenolics by EPA 420.4 | Analyst: MID | Date Prep: Mar-07-11 09:30 | Prep Method: 420.4P |
| | Seq Number: 846838 | Tech: MID | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|--------|---------|-------|----------------|------|-----|
| Phenolic | | 0.0117 | 0.0200 | 0.00580 | mg/L | 03/08/11 17:33 | I | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
Annual Priority Pollutants

| | | |
|---------------------------------------|--|--------------------|
| Sample Id: SD-Plant 1 Influent | Matrix: Waste Water | % Moisture: |
| Lab Sample Id: 408490-002 | Date Collected: Feb-18-11 00:00 | |
| | Date Received: Mar-02-11 15:20 | |

| | | |
|--|---------------------------|-------------------|
| Analytical Method: Total Cyanide by EPA 335.4 | Analyst: RGF | Tech: 4137 |
| | Seq Number: 846372 | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|----------------|------------|--------|---------|---------|-------|----------------|------|-----|
| Cyanide, Total | 57-12-5 | U | 0.00500 | 0.00240 | mg/L | 03/04/11 16:12 | U | 1 |

| | | | |
|--|---------------------------|-----------------------------------|----------------------------|
| Analytical Method: Total Phenolics by EPA 420.4 | Analyst: MID | Date Prep: Mar-07-11 09:30 | Prep Method: 420.4P |
| | Seq Number: 846838 | Tech: MID | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|--------|---------|-------|----------------|------|-----|
| Phenolic | | 0.0421 | 0.0200 | 0.00580 | mg/L | 03/08/11 17:34 | | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
Annual Priority Pollutants

| | | |
|---------------------------------------|--|--------------------|
| Sample Id: SD-Plant 2 Influent | Matrix: Waste Water | % Moisture: |
| Lab Sample Id: 408490-003 | Date Collected: Feb-18-11 00:00 | |
| | Date Received: Mar-02-11 15:20 | |

| | |
|--|-------------------|
| Analytical Method: Total Cyanide by EPA 335.4 | Tech: 4137 |
| Analyst: RGF | |
| Seq Number: 846372 | |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|----------------|------------|--------|---------|---------|-------|----------------|------|-----|
| Cyanide, Total | 57-12-5 | U | 0.00500 | 0.00240 | mg/L | 03/04/11 16:14 | U | 1 |

| | |
|--|-----------------------------------|
| Analytical Method: Total Phenolics by EPA 420.4 | Prep Method: 420.4P |
| Analyst: MID | Date Prep: Mar-08-11 11:00 |
| Seq Number: 846841 | Tech: MID |

| Parameter | Cas Number | Result | RL | MDL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|--------|---------|-------|----------------|------|-----|
| Phenolic | | 0.0513 | 0.0200 | 0.00580 | mg/L | 03/08/11 17:45 | | 1 |

FLORIDA Flagging Criteria

- A** Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.
- B** Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.
- F** When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.
- H** Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.
- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J** Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .
- J1: No known quality control criteria exist for the component;
 - J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);
 - J3: The sample matrix interfered with the ability to make any accurate determination;
 - J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).
 - J5: The field calibration verification did not meet calibration acceptance criteria.
 - J6: QC protocol not followed.

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

| Phone | Fax |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
| (972) 481-9999 | (972) 481-9998 |
| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

- K** Off-scale low. Actual value is known to be less than the value given. This code shall be used if:
1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or
 2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.
- L** Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- M** When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.
- N** Presumptive evidence of presence of material. This qualifier shall be used if:
1. The component has been tentatively identified based on mass spectral library search; or
 2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).
- O** Sampled, but analysis lost or not performed.
- Q** Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Indicates that the compound was analyzed for but not detected. This symbol shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).
- V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

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A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

11381 Meadowglen Lane Suite L Houston, Tx 77082-2647
11078 Morrison Rd., Suite D, Dallas, TX 75229
5309 Wurzbach, Ste 104 San Antonio TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

| Phone | Fax |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
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| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |

- Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z** Too many colonies were present for accurate counting. Historically, this condition has been reported as "too numerous to count" (TNTC). The "Z" qualifier code shall be reported when the total number of colonies of all types is more than 200 in all dilutions of the sample. When applicable to the observed test results, a numeric value for the colony count for the microorganism tested shall be estimated from the highest dilution factor (smallest sample volume) used for the test and reported with the qualifier code.
- ?** Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
- * Not reported due to interference.

The following codes deal with certain aspects of field activities. The codes shall be used if the laboratory has knowledge of the specific sampling event. The codes shall be added by the organization collecting samples if they apply:

- D** The sample result was reported from a dilution.
- E** Indicates that extra samples were taken at composite stations.
- R** Significant rain in the past 48 hours. (Significant rain typically involves rain in excess of 1/2 inch within the past 48 hours.) This code shall be used when the rainfall might contribute to a lower than normal value.
- !** Data deviate from historically established concentration ranges.
- +** Outside XENCO's scope of NELAC accreditation

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Miami Dade Water & Sewer-South District, Miami, FL
Annual Priority Pollutants

| | | | | | | | |
|---|------------|--------------------|--------|----------------------------|---------------------|-----------|-----|
| Sample Id: 597453-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 597453-1-BLK | | | | | | | |
| Analytical Method: Total Phenolics by EPA 420.4 | | | | | Prep Method: 420.4P | | |
| Date Analyzed: Mar-08-11 17:01 | | Analyst: MID | | Date Prep: Mar-07-11 09:30 | | Tech: MID | |
| | | Seq Number: 846838 | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Phenolic | | U | 0.0200 | 0.00580 | mg/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
Annual Priority Pollutants

| | | | | | | | |
|---|--------------|----------------------------|-----------|---------|-------|------|-----|
| Sample Id: 597454-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 597454-1-BLK | | | | | | | |
| Analytical Method: Total Phenolics by EPA 420.4 | | Prep Method: 420.4P | | | | | |
| Date Analyzed: Mar-08-11 17:39 | Analyst: MID | Date Prep: Mar-08-11 11:00 | Tech: MID | | | | |
| Seq Number: 846841 | | | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Phcnolic | | U | 0.0200 | 0.00580 | mg/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL
Annual Priority Pollutants

| | | | | | | | |
|---|------------|--------------------|---------|------------|--------------|------------|-----|
| Sample Id: 846372-1-BLK | | Matrix: WATER | | | | | |
| Lab Sample Id: 846372-1-BLK | | | | | | | |
| Analytical Method: Total Cyanide by EPA 335.4 | | | | | Prep Method: | | |
| Date Analyzed: Mar-04-11 15:49 | | Analyst: RGF | | Date Prep: | | Tech: 4137 | |
| | | Seq Number: 846372 | | | | | |
| Parameter | Cas Number | Result | PQL | MDL | Units | Flag | Dil |
| Cyanide, Total | 57-12-5 | U | 0.00500 | 0.00240 | mg/L | U | 1 |

Miami Dade Water & Sewer-South District, Miami, FL

Annual Priority Pollutants

Analytical Method: Total Cyanide by EPA 335.4

Seq Number: 846372

Matrix: Water

MB Sample Id: 846372-1-BLK

LCS Sample Id: 846372-1-BKS

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|----------------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Cyanide, Total | <0.00240 | 0.2 | 0.202 | 101 | 90-110 | mg/L | 03/04/11 15:53 | |

Analytical Method: Total Cyanide by EPA 335.4

Seq Number: 846372

Matrix: Water

Parent Sample Id: 408324-001

MS Sample Id: 408324-001 S

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|----------------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Cyanide, Total | <0.00240 | 0.2 | 0.219 | 110 | 90-110 | mg/L | 03/04/11 16:25 | |

Analytical Method: Total Cyanide by EPA 335.4

Seq Number: 846372

Matrix: Waste Water

Parent Sample Id: 408476-001

MS Sample Id: 408476-001 S

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|----------------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Cyanide, Total | 0.00368 | 0.2 | 0.202 | 99 | 90-110 | mg/L | 03/04/11 15:57 | |

Analytical Method: Total Cyanide by EPA 335.4

Seq Number: 846372

Matrix: Waste Water

Parent Sample Id: 408476-001

MD Sample Id: 408476-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|----------------|---------------|-----------|------|-----------|-------|----------------|------|
| Cyanide, Total | 0.00368 | 0.00271 | 30 | 10 | mg/L | 03/04/11 16:00 | JI |

Analytical Method: Total Cyanide by EPA 335.4

Seq Number: 846372

Matrix: Water

Parent Sample Id: 408324-001

MD Sample Id: 408324-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|----------------|---------------|-----------|------|-----------|-------|----------------|------|
| Cyanide, Total | <0.00240 | 0.00592 | NC | 10 | mg/L | 03/04/11 16:29 | |

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846838

Matrix: Water

MB Sample Id: 597453-1-BLK

LCS Sample Id: 597453-1-BKS

Prep Method: 420.4P

Date Prep: 03/07/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Phenolic | <0.00580 | 0.2 | 0.191 | 96 | 90-110 | mg/L | 03/08/11 17:02 | |

Miami Dade Water & Sewer-South District, Miami, FL

Annual Priority Pollutants

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846841

MB Sample Id: 597454-1-BLK

Matrix: Water

LCS Sample Id: 597454-1-BKS

Prep Method: 420.4P

Date Prep: 03/08/2011

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|--------|-------|----------------|------|
| Phenolic | <0.00580 | 0.2 | 0.193 | 97 | 90-110 | mg/L | 03/08/11 17:40 | |

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846838

Parent Sample Id: 408442-003

Matrix: Waste Water

MS Sample Id: 408442-003 S

Prep Method: 420.4P

Date Prep: 03/07/2011

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Phenolic | 0.113 | 0.2 | 0.198 | 43 | 90-110 | mg/L | 03/08/11 17:06 | J |

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846838

Parent Sample Id: 408445-009

Matrix: Water

MS Sample Id: 408445-009 S

Prep Method: 420.4P

Date Prep: 03/07/2011

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Phenolic | <0.00580 | 0.2 | 0.194 | 97 | 90-110 | mg/L | 03/08/11 17:20 | |

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846841

Parent Sample Id: 408821-001

Matrix: Water

MS Sample Id: 408821-001 S

Prep Method: 420.4P

Date Prep: 03/08/2011

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | Limits | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|--------|-------|----------------|------|
| Phenolic | 0.274 | 0.2 | 0.264 | 0 | 90-110 | mg/L | 03/08/11 17:44 | J |

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846838

Parent Sample Id: 408442-003

Matrix: Waste Water

Prep Method: 420.4P

Date Prep: 03/07/2011

MD Sample Id: 408442-003 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|-----------|------|-----------|-------|----------------|------|
| Phenolic | 0.113 | 0.136 | 18 | 20 | mg/L | 03/08/11 17:05 | |

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846838

Parent Sample Id: 408445-009

Matrix: Water

Prep Method: 420.4P

Date Prep: 03/07/2011

MD Sample Id: 408445-009 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|-----------|------|-----------|-------|----------------|------|
| Phenolic | <0.00580 | <0.00580 | NC | 20 | mg/L | 03/08/11 17:36 | |

Miami Dade Water & Sewer-South District, Miami, FL

Annual Priority Pollutants

Analytical Method: Total Phenolics by EPA 420.4

Seq Number: 846841

Parent Sample Id: 408821-001

Matrix: Water

Prep Method: 420.4P

Date Prep: 03/08/2011

MD Sample Id: 408821-001 D

| Parameter | Parent Result | MD Result | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|-----------|------|-----------|-------|----------------|------|
| Phenolic | 0.274 | 0.266 | 3 | 20 | mg/L | 03/08/11 17:42 | |

Client: Miami Dade Water & Sewer-South District

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 03/02/2011 03:20:00 PM

Temperature Measuring device used : T-109

Work Order #: 408490

Sample Receipt Checklist

Comments

| | |
|--|-----|
| #1 *Temperature of cooler(s)? | 4 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received on ice? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A |
| #5 Custody Seals intact on sample bottles/ container? | N/A |
| #6 *Custody Seals Signed and dated for Containers/coolers | N/A |
| #7 *Chain of Custody present? | Yes |
| #9 Any missing/extra samples? | No |
| #10 Chain of Custody signed when relinquished/ received? | Yes |
| #11 Chain of Custody agrees with sample label(s)? | Yes |
| #12 Container label(s) legible and intact? | Yes |
| #13 Sample matrix/ properties agree with Chain of Custody? | Yes |
| #14 Samples in proper container/ bottle? | Yes |
| #15 Samples properly preserved? | Yes |
| #16 Sample container(s) intact? | Yes |
| #17 Sufficient sample amount for indicated test(s)? | Yes |
| #18 All samples received within hold time? | Yes |
| #19 Subcontract of sample(s)? | No |
| #20 VOC samples have zero headspace (less than 1/4 inch bubble)? | N/A |
| #21 <2 for all samples preserved with HNO3,HCL, H2SO4? | Yes |
| #22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH? | N/A |

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

| | | |
|----------|-----|----------------|
| Analyst: | OEH | PH Device/Lot# |
|----------|-----|----------------|

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date/Time :** _____

Checklist completed by:



Roderick E. McHenry

Date: 03/03/2011

Checklist reviewed by:



Mike Kimmel

Date: 03/16/2011



CHAIN OF CUSTODY RECORD

Page 1 of 1

Lab W.O.

408490

Field Billable Hrs:

* Container Type Codes

| | |
|-----------------------|----------------------|
| VA Vial Amber | ES Encore Sampler |
| VC Vial Clear | TS TerraCore Sampler |
| VP Vial Pre-preserved | AC Air Canister |
| GA Glass Amber | TB Tedlar Bag |
| GC Glass Clear | ZB Zip Lock Bag |
| PA Plastic Amber | PC Plastic Clear |

Other:

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other
Example: 4ozGC = 4oz Glass Clear
40mlVP = 40ml Vial Pre-preserved

** Preservative Type Codes

| | | |
|-----------------------------------|--|----------------------------|
| A. None | E. HCL | I. Ice |
| B. HNO ₃ | F. MeOH | J. MCAA |
| C. H ₂ SO ₄ | G. Na ₂ S ₂ O ₃ | K. ZnAc ₂ /NaOH |
| D. NaOH | H. NaHSO ₄ | L. Asbc Acid/NaOH |
| O. | | |

* Matrix Type Codes

| | |
|--------------------|-----------------------|
| GW Ground Water | S Soil/Sediment/Solid |
| WW Waste Water | W Wipe |
| DW Drinking Water | A Air |
| SW Surface Water | O Oil |
| OW Ocean/Sea Water | T Tissue |
| PL Product-Liquid | U Urine |
| PS Product-Solid | B Blood |
| SL Sludge | |
| Other: | |

Company: MIAMI-DADE WATER + SEWER

PO #

TAT Work Days = D Need results by: Time:

Address: 8950 SW 232 ST

Quote #

Std (5-10D) 6Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

City: MIAMI

State: FL Zip: 33190

ANALYSES REQUESTED

PM/Attn: CLIVE POWELL

Phone: 786 268 5631

Cont Type: GA PC

email: cpowell@miamidade.gov

Fax: 786 268 5712

Pres Type: C D

Project Name: ANNUAL

Project ID:

PRIORITY POLLUTANTS

Sampler Signature:

Circle One Event: Daily Weekly Monthly
Quarterly Semi-Annual Annual N/AT. PHENOLICS
CYANIDEHold Sample (CALL)
Additions:

| Sample # | Sample ID | Collect Date | Collect Time | Matrix Code A | Composite or Grab | Field Filtered | Total # of containers | # Cont | Lab Only: |
|----------|----------------------|--------------|--------------|---------------|-------------------|----------------|-----------------------|--------|-----------|
| 1 | SD-COMBINED EFFLUENT | 2/18/11 | 24hr | WW | C | | 2 | | ILGA FOR |
| 2 | SD-PLANT 1 INFLUENT | 2/18/11 | 24hr | WW | C | | 2 | | ILGA FOR |
| 3 | SD-PLANT 2 INFLUENT | 2/18/11 | 24hr | WW | C | | 2 | | ILGA FOR |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

REMARKS

| Reg. Program / Clean-up Std | | STATE for Certs & Regs | | QA/QC Level & Certification | | EDDs | | COC & Labels | | Coolers Temp °C | | Lab Use Only | |
|-----------------------------|---------------------------|------------------------|------------------------|-----------------------------|------------------|------------------------------|-------------------------|--------------|--|-----------------|--|--------------|--|
| CTIs | TRRP DW NPDES LPST DryCin | FL TX GA NC SC NJ PA | 1 2 3 4 CLP AFCEE QAPP | ADAPT SEDD ERPIMS | Match incomplete | 1. 4 2. 3. | Non-Conformances found? | | | | | | |
| Other: | OK LA AL IL Other: | NELAC DoD-ELAP Other: | XLS Other: | Affiliation | Unclear | Samples intact upon arrival? | | | | | | | |
| Relinquished by | | Affiliation | | Date | | Time | | Received by | | Date | | Time | |
| 1 | | MQUASD | | 3/2/11 | | 11:45 | | 1/1/11 | | 3/2/11 | | 11:45 | |
| 2 | | MQUASD | | 3/2/11 | | 15:20 | | 1/1/11 | | 3-2-4 | | 15:20 | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |

Received on Wet Ice? _____
Labeled with proper preservatives? _____
Received within holding time? _____
Custody seals intact? _____
VOCs rec'd w/o headspace? _____
Proper containers used? _____
pH verified-acceptable, excl VOCs? _____
Received on time to meet HTs? _____

FTS: Philadelphia 610-955-5649 South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371 Dallas 214-902-0300 Houston 281-240-4200 Odessa 432-563-1800 San Antonio 210-509-3334

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.

Property of XENCO - Revision Date: Nov 12, 2009

C.O.C. Serial #

274235

XENCO LABORATORIES

Container Receipt Verification Form

Work Order Number: 408490

Chain of Custody Number(s): 274235

| Tests | Container Type/ Pres. | |
|-------|--------------------------|--|
| | gal GA/ | |
| | 32oz N/M GA/ | |
| | 32oz N/M GA/ | |
| | 32oz N/M GA/ | |
| | 32oz W/M GA/ | |
| | VOA/ | |
| | VOA/ | |
| | VOA/ | |
| | 120mL P w. Pill/ | |
| | 4oz Plastic/ | |
| | 4oz Plastic/ | |
| | 250mL HDPE/ | |
| | 250mL HDPE/ | |
| | 500mL HDPE/ | |
| | 500mL HDPE/ | |
| | 500mL HDPE/ | |
| | 1L HDPE/ | |
| | 1L HDPE/ | |
| | 9oz GC/ | |
| | 9oz GC/ | |
| | 9oz GC/ | |
| | 4oz GC/ | |
| | 4oz GC/ | |
| | 2oz GC/ | |
| | 2oz GC/ | |
| | Tedlar Bag | |
| | Ampules/ | |
| | Other/ | |
| | Comments | |

Abbreviations:

Gal GA = One gallon amber
 32oz N/M GA = 32 oz Amberglass
 VOA = 40mL vials
 32oz W/M GA = 32 oz Wide Mouth Amberglass

1L HDPE = 1L (1000mL) Plastic Bottle
 500mL HDPE = 500mL Plastic Bottle
 250mL HDPE = 250mL Plastic Bottle

8oz GC = 8oz Soil Jar
 4oz GC = 4oz Soil Jar
 2oz GC = 2oz soil jar

120mL Plastic w. Pill = BacT
 Zip = Ziplock Bag
 4oz Plastic = 4oz Plastic Bottle

HCl = Hydrochloric Acid
 H2SO4 = Sulfuric Acid
 NaOH = Sodium Hydroxide
 MeOH = Methanol
 HNO3 = Nitric Acid
 ZnAC = Zinc Acetate
 Na2S2O3 = Sodium Thiosulfate

NH4Cl2 = Ammonium Chloride
 DI H2O = DI Water
 MCAA = Monochloroacetic Acid

Reviewed By: _____