# RQ-2017-08-21-27



Date of Request: 31-JUL-2017
Created By: MUSSON_C On: 31-JUL-2017
Modified By: MUSSON_C On: 31-JUL-2017
Customer: WAS-SECT
Project: SMP
Division: Division of Environmental Assessment and Restoration
District:
Sampling Event: Caney, Moriah, Wakulla

**Send Coolers To:**

Phone: 850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399
Attn: Curtis Musson

**Send Final Report To:**

2600 Blair Stone Rd

Tallahassee, FL 32399
Attn: Curtis Musson

Program Module Number:
Priority: 3
Event Status: P
Criminal Investigation: NO
Chemistry Request Reviewed By:
Biology Request Reviewed By:
Sampling Kit Required: YES Ship on: 07-AUG-2017
Sampling Kit Shipped:
Sampling Kit Packed By:
Preservatives Needed: NO
Date to Receive Samples: 23-AUG-2017
Received By:

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Comments:
Group A: Nutrients, CHLA, Physical Aggregates
Group B: Metals
Group C: Microbiology (Bacteria)
Group D: Organics (Wastewater Tracers)
Group E: PCR (FILTER, HF183, GFD)
Group F: PCR (FILTER, HF183, BacR)

## Bottle Group A (Water) With 7 Samples:

| Bottle Type: | Number of Bottles: | Preserved With: | |
|---|---|---|---|
| ALKALINITY | Template: DEFAULT | (SM 2320 B-97) | Alkalinity in aqueous matrices as mg CaCO3/L |
| Total Alkalinity | | | |
| CHLSUITE-W | Template: DEFAULT | (SM 10200 H (mod.)) | Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Chlorophyll-a, Corrected | | | |
| Chlorophyll-a, Uncorrected | | | |
| Phaeophytin-a | | | |
| TURBIDITY | Template: DEFAULT | (EPA 180.1 Rev. 2.0) | Turbidity in aqueous matrices |
| Turbidity | | | |
| W-CL-IC | Template: DEFAULT | (EPA 300.0 Rev. 2.1) | Chloride in aqueous matrices |
| Chloride | | | |
| W-COLOR | Template: DEFAULT | (SM 2120 B) | True Color measured at 450 nm |
| Color (true) | | | |
| W-F | Template: DEFAULT | (SM 4500 F-C-97) | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| Fluoride | | | |
| W-NH3 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) | Ammonia in aqueous matrices as mg N/L |
| Ammonia-N | | | |
| W-NO2NO3 | Template: DEFAULT | (EPA 353.2 Rev. 2.0) | Nitrite/Nitrate in aqueous matrices as mg N/L |
| NO2NO3-N | | | |
| W-PO4-F | Template: DEFAULT | (EPA 365.1 Rev. 2.0) | Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| O-Phosphate-P | | | |
| W-S-A-TP | Template: DEFAULT | (EPA 365.1 Rev. 2.0) | Total Phosphorus in aqueous matrices as mg P/L |
| Total-P | | | |

## Bottle Group A (Water) With 7 Samples:

| Bottle Type: | Number of Bottles: | Preserved With: |
|---|---|---|
| W-SO4-IC | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices |
| Sulfate | | |
| W-TDS | Template: DEFAULT | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices |
| TDS | | |
| W-TKN | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices |
| Kjeldahl Nitrogen | | |
| W-TOC | Template: DEFAULT | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices |
| Organic Carbon | | |
| W-TSS | Template: DEFAULT | (SM 2540 D-97) Total Suspended Solids in aqueous matrices |
| TSS | | |

## Bottle Group B (Water) With 2 Samples:

| Bottle Type: | Number of Bottles: | Preserved With: |
|---|---|---|
| W-ICP | Template: | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium | | |
| Chromium | | |
| Iron | | |
| Magnesium | | |
| Nickel | | |
| Potassium | | |
| Sodium | | |
| Zinc | | |
| W-ICPMS | Template: | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Arsenic | | |
| Cadmium | | |
| Copper | | |
| Lead | | |
| Silver | | |

## Bottle Group C (Water) With 3 Samples:

| Bottle Type: | Number of Bottles: | Preserved With: |
|---|---|---|
| ECOLI-18QT | Template: DEFAULT | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |
| Escherichia Coli-Quanti-Tray | | |

## Bottle Group D (Water) With 3 Samples:

| Bottle Type: | Number of Bottles: | Preserved With: |
|---|---|---|
| W-AHERB-AA | Template: DEFAULT | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS |
| *Triclopyr | | |
| 2,4-D | | |
| Bentazon | | |
| MCPP | | |
| W-SUC-AA-R | Template: DEFAULT | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS |
| *Sucralose | | |
| W-UHERB-AA | Template: DEFAULT | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS |
| *Acetaminophen | | |
| *Carbamazepine | | |
| *Fluridone | | |
| *Primidone | | |
| Diuron | | |
| Fenuron | | |
| Imidacloprid | | |
| Linuron | | |

## Bottle Group E (Water) With 1 Samples:

| Bottle Type: | Number of Bottles: | Preserved With: |
|---|---|---|
| PCR-FILTER | Template: DEFAULT | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis |
| *HF183 - Human Source Marker | | |
| PCR-GFD | Template: DEFAULT | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction |
| *GFD-purified-qPCR | | |

**Bottle Group E (Water) With 1 Samples:**

| Bottle Type: | Number of Bottles: | Preserved With: |
|---|---|---|
| PCR-HF183 | Template: DEFAULT | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| *HF183-qPCR | | |

**Bottle Group F (Water) With 2 Samples:**

| Bottle Type: | Number of Bottles: | Preserved With: |
|---|---|---|
| PCR-BACR | Template: DEFAULT | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| *BacR-qPCR | | |
| Bottle Type: | Number of Bottles: 0 | Preserved With: |
| PCR-FILTER | Template: DEFAULT | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis |
| *HF183 - Human Source Marker | | |
| PCR-HF183 | Template: DEFAULT | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| *HF183-qPCR | | |

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.