

Date of Request: 17-FEB-2020  
 Created By: MUSSON\_C On: 17-FEB-2020  
 Modified By: MUSSON\_C On: 17-FEB-2020  
 Customer: WAS-SECT  
 Project: NWQI  
 Division:  
 District:  
 Sampling Event: NWQI - Alligator Creek

**Send Coolers To:**

Phone: 850-245-8453  
 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: 02-MAR-2020  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: YES  
 Date to Receive Samples: 18-MAR-2020  
 Received By:

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Curtis Musson

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

Comments: Group A: Nutrients, Metals, E. coli, Tracers X 2  
 Group A: Minnow Creek & Alligator Creek Upstream Of SR 273  
  
 Group B: Nutrients, E. coli, Tracers x 6

Packing Notes:  
 No FedEx labels  
 No Trash Bags  
 No Bubble-wrap

1 case H2SO4  
 1 case HNO3

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

| Bottle Type:                                                                          | Number of Bottles: | Preserved With:                                                                                              |
|---------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY<br>Total Alkalinity                                                        | Template: DEFAULT  | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                |
| CHLSUITE-W<br>Chlorophyll-a, Corrected<br>Chlorophyll-a, Uncorrected<br>Phaeophytin-a | Template: DEFAULT  | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| ECOLI-18QT<br>Escherichia Coli-Quanti-Tray                                            | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |
| TURBIDITY<br>Turbidity                                                                | Template: DEFAULT  | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC<br>Chloride                                                                   | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR<br>Color (true)                                                               | Template: DEFAULT  | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| W-E8321-DI                                                                            | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |

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

| Bottle Type:                                                                                                                                                                                                                                                                                                                                                                | Number of Bottles: | Preserved With:                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| W-E8321-DI                                                                                                                                                                                                                                                                                                                                                                  | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| *Acesulfame K<br>*AMPA<br>*Endothall<br>*Glufosinate<br>*Glyphosate<br>*Sucralose                                                                                                                                                                                                                                                                                           |                    |                                                                                                                                                |
| W-E8321-MS                                                                                                                                                                                                                                                                                                                                                                  | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| *Acetaminophen<br>*Acetamiprid<br>*Afidopyropen<br>*Benzovindiflupyr<br>*Carbamazepine<br>*Clothianidin<br>*Dinotefuran<br>*Fluridone<br>*Hydrocodone<br>*Ibuprofen<br>*Imazapyr<br>*Mandestrobin<br>*Naproxen<br>*Primidone<br>*Pyraclostrobin<br>*Thiamethoxam<br>*Tolfenpyrad<br>*Triclopyr<br>2,4-D<br>Bentazon<br>Diuron<br>Fenuron<br>Imidacloprid<br>Linuron<br>MCPP |                    |                                                                                                                                                |
| W-F                                                                                                                                                                                                                                                                                                                                                                         | Template: DEFAULT  | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                         |
| Fluoride                                                                                                                                                                                                                                                                                                                                                                    |                    |                                                                                                                                                |
| W-HARD                                                                                                                                                                                                                                                                                                                                                                      | Template: DEFAULT  | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |
| Hardness                                                                                                                                                                                                                                                                                                                                                                    |                    |                                                                                                                                                |
| 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 |
| Barium<br>Calcium<br>Iron<br>Magnesium<br>Potassium<br>Sodium<br>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                    |
| *Boron<br>Aluminum<br>Antimony<br>Arsenic<br>Cadmium<br>Chromium<br>Copper<br>Lead<br>Nickel<br>Selenium<br>Silver                                                                                                                                                                                                                                                          |                    |                                                                                                                                                |

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

| Bottle Type:      | Number of Bottles: | Preserved With:                                                                                                             |
|-------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS           | Template:          | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Thallium          |                    |                                                                                                                             |
| 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           |                    |                                                                                                                             |
| W-SO4-IC          | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                            |
| Sulfate           |                    |                                                                                                                             |
| W-TDS             | Template: DEFAULT  | (SM 2540 C-2011) 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                            |
| Organic Carbon    |                    |                                                                                                                             |
| W-TSS             | Template: DEFAULT  | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                             |
| TSS               |                    |                                                                                                                             |

**Bottle Group B (Water) With 6 Samples:**

| Bottle Type:                 | Number of Bottles: | Preserved With:                                                                                              |
|------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY                   | Template: DEFAULT  | (SM 2320 B-2011) 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                |                    |                                                                                                              |
| ECOLI-18QT                   | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |
| Escherichia Coli-Quanti-Tray |                    |                                                                                                              |
| 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| Color (true)                 |                    |                                                                                                              |
| W-E8321-DI                   | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |
| *Acesulfame K                |                    |                                                                                                              |
| *AMPA                        |                    |                                                                                                              |
| *Endothall                   |                    |                                                                                                              |
| *Glufosinate                 |                    |                                                                                                              |
| *Glyphosate                  |                    |                                                                                                              |
| *Sucralose                   |                    |                                                                                                              |
| W-E8321-MS                   | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |
| *Acetaminophen               |                    |                                                                                                              |
| *Acetamiprid                 |                    |                                                                                                              |
| *Afidopyropen                |                    |                                                                                                              |
| *Benzovindiflupyr            |                    |                                                                                                              |
| *Carbamazepine               |                    |                                                                                                              |
| *Clothianidin                |                    |                                                                                                              |
| *Dinotefuran                 |                    |                                                                                                              |
| *Fluridone                   |                    |                                                                                                              |
| *Hydrocodone                 |                    |                                                                                                              |
| *Ibuprofen                   |                    |                                                                                                              |
| *Imazapyr                    |                    |                                                                                                              |
| *Mandestrobin                |                    |                                                                                                              |

**Bottle Group B (Water) With 6 Samples:**

| Bottle Type:      | Number of Bottles: | Preserved With:                                                                                        |
|-------------------|--------------------|--------------------------------------------------------------------------------------------------------|
| W-E8321-MS        | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                |
| *Naproxen         |                    |                                                                                                        |
| *Primidone        |                    |                                                                                                        |
| *Pyraclostrobin   |                    |                                                                                                        |
| *Thiamethoxam     |                    |                                                                                                        |
| *Tolfenpyrad      |                    |                                                                                                        |
| *Triclopyr        |                    |                                                                                                        |
| 2,4-D             |                    |                                                                                                        |
| Bentazon          |                    |                                                                                                        |
| Diuron            |                    |                                                                                                        |
| Fenuron           |                    |                                                                                                        |
| Imidacloprid      |                    |                                                                                                        |
| Linuron           |                    |                                                                                                        |
| MCPP              |                    |                                                                                                        |
| W-F               | Template: DEFAULT  | (SM 4500 F-C-2011) 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           |                    |                                                                                                        |
| W-SO4-IC          | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                       |
| Sulfate           |                    |                                                                                                        |
| W-TDS             | Template: DEFAULT  | (SM 2540 C-2011) 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                       |
| Organic Carbon    |                    |                                                                                                        |
| W-TSS             | Template: DEFAULT  | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |
| TSS               |                    |                                                                                                        |

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