

Date of Request: 19-AUG-2019  
 Created By: MUSSON\_C On: 19-AUG-2019  
 Modified By: MUSSON\_C On: 19-AUG-2019  
 Customer: WAS-SECT  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: SCI 9

**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:

**Send Final Report To:**

2600 Blair Stone Rd

Tallahassee, FL 32399  
 Attn: Curtis Musson

Sampling Kit Required: YES Ship on: 02-SEP-2019  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 18-SEP-2019  
 Received By:

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

Comments: Group A: Nutrients, Metals, Tracers, Q-PSNP-TQ  
 Group B: SCI, Algae\_ID

Packing Notes:  
 No FedEx Labels  
 No Trash Bag

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

| Bottle Type:                                                                                    | Number of Bottles: | Preserved With:                                                                                              |
|-------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY<br>Total Alkalinity                                                                  | Template: DEFAULT  | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /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) True Color measured at 450 nm                                                                    |
| W-E8321-DI<br>*Acesulfame K<br>*AMPA<br>*Endothall<br>*Glufosinate<br>*Glyphosate<br>*Sucralose | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |
| W-E8321-MS                                                                                      | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |

**Bottle Group A (Water) With 1 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                                                        |
| *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-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| Fluoride                                                                                                                                                                                                                                                                                                                                                                    |                    |                                                                                                                                                |
| 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<br>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-PSNP-TQ                                                                                                                                                                                                                                                                                                                                                                   | Template: DEFAULT  | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS                                                             |
| *Dimethenamid                                                                                                                                                                                                                                                                                                                                                               |                    |                                                                                                                                                |

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

|                      |                    |                                                                                               |
|----------------------|--------------------|-----------------------------------------------------------------------------------------------|
| Bottle Type:         | Number of Bottles: | Preserved With:                                                                               |
| W-PSNP-TQ            | Template: DEFAULT  | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS            |
| *Dithiopyr           |                    |                                                                                               |
| *Fipronil Desulfinyl |                    |                                                                                               |
| *Oxadiazon           |                    |                                                                                               |
| *Prodiamine          |                    |                                                                                               |
| *Tebuconazole        |                    |                                                                                               |
| Acetochlor           |                    |                                                                                               |
| Alachlor             |                    |                                                                                               |
| Ametryn              |                    |                                                                                               |
| Atrazine             |                    |                                                                                               |
| Atrazine Desethyl    |                    |                                                                                               |
| Azinphos Methyl      |                    |                                                                                               |
| Bromacil             |                    |                                                                                               |
| Butylate             |                    |                                                                                               |
| Chlorpyrifos Ethyl   |                    |                                                                                               |
| Chlorpyrifos Methyl  |                    |                                                                                               |
| Cyanazine            |                    |                                                                                               |
| Demeton              |                    |                                                                                               |
| Diazinon             |                    |                                                                                               |
| Disulfoton           |                    |                                                                                               |
| EPTC                 |                    |                                                                                               |
| Ethion               |                    |                                                                                               |
| Ethoprop             |                    |                                                                                               |
| Fenamiphos           |                    |                                                                                               |
| Fipronil             |                    |                                                                                               |
| Fipronil Sulfide     |                    |                                                                                               |
| Fipronil Sulfone     |                    |                                                                                               |
| Fonofos              |                    |                                                                                               |
| Hexazinone           |                    |                                                                                               |
| Malathion            |                    |                                                                                               |
| Metalaxyl            |                    |                                                                                               |
| Metolachlor          |                    |                                                                                               |
| Metribuzin           |                    |                                                                                               |
| Mevinphos            |                    |                                                                                               |
| Molinate             |                    |                                                                                               |
| Norflurazon          |                    |                                                                                               |
| Parathion Ethyl      |                    |                                                                                               |
| Parathion Methyl     |                    |                                                                                               |
| Pendimethalin        |                    |                                                                                               |
| Phorate              |                    |                                                                                               |
| Prometon             |                    |                                                                                               |
| Prometryn            |                    |                                                                                               |
| Simazine             |                    |                                                                                               |
| Terbufos             |                    |                                                                                               |
| Terbuthylazine       |                    |                                                                                               |
| 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-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 using a maximum of 250 mL of sample |
| TSS                  |                    |                                                                                               |

**Bottle Group B (Biological) With 1 Samples:**

|              |                    |                 |
|--------------|--------------------|-----------------|
| Bottle Type: | Number of Bottles: | Preserved With: |
|--------------|--------------------|-----------------|

---

**Bottle Group B (Biological) With 1 Samples:**

| Bottle Type:                              | Number of Bottles: | Preserved With:                                             |
|-------------------------------------------|--------------------|-------------------------------------------------------------|
| ALGAL_ID      Template: DEFAULT           | (SOP-AB05)         | Qualitative assessment of algal taxa present without counts |
| *Dominant sample taxon                    |                    |                                                             |
| MI-FW-QLDC      Template: DEFAULT         | (SOP-IZ06)         | No. Taxa of FW macroinverts, qual samp, 20 dipnets.         |
| *Macroinvert-FW-Qual-DipnetX20-#Taxa-Rep2 |                    |                                                             |
| *Stream Condition Index (SCI)             |                    |                                                             |

---

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