

Date of Request: 28-JAN-2020  
 Created By: MUSSON\_C On: 28-JAN-2020  
 Modified By: MUSSON\_C On: 28-JAN-2020  
 Customer: WAS-SECT  
 Project: SCI-BNCHMK  
 Division:  
 District:  
 Sampling Event: WAS SCI Audit

**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: 10-FEB-2020  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 24-FEB-2020  
 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  
 No Bubblewrap

**Bottle Group A (Water) With 1 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<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                      |

**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    |                    |                                                                                                                                                |
| *Acetamiprid      |                    |                                                                                                                                                |
| *Afidopyropen     |                    |                                                                                                                                                |
| *Benzovindiflupyr |                    |                                                                                                                                                |
| *Carbamazepine    |                    |                                                                                                                                                |
| *Clothianidin     |                    |                                                                                                                                                |
| *Dinotefuran      |                    |                                                                                                                                                |
| *Fluridone        |                    |                                                                                                                                                |
| *Hydrocodone      |                    |                                                                                                                                                |
| *Ibuprofen        |                    |                                                                                                                                                |
| *Imazapyr         |                    |                                                                                                                                                |
| *Mandestrobin     |                    |                                                                                                                                                |
| *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-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            |                    |                                                                                                                                                |
| Calcium           |                    |                                                                                                                                                |
| Iron              |                    |                                                                                                                                                |
| Magnesium         |                    |                                                                                                                                                |
| 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                    |
| *Boron            |                    |                                                                                                                                                |
| Aluminum          |                    |                                                                                                                                                |
| Antimony          |                    |                                                                                                                                                |
| Arsenic           |                    |                                                                                                                                                |
| Cadmium           |                    |                                                                                                                                                |
| Chromium          |                    |                                                                                                                                                |
| Copper            |                    |                                                                                                                                                |
| Lead              |                    |                                                                                                                                                |
| Nickel            |                    |                                                                                                                                                |
| Selenium          |                    |                                                                                                                                                |
| Silver            |                    |                                                                                                                                                |
| 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     |                    |                                                                                                                                                |

**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              |
| *Dimethenamid<br>*Dithiopyr<br>*Fipronil Desulfinyl<br>*Oxadiazon<br>*Prodiamine<br>*Tebuconazole<br>Acetochlor<br>Alachlor<br>Ametryn<br>Atrazine<br>Atrazine Desethyl<br>Azinphos Methyl<br>Bromacil<br>Butylate<br>Chlorpyrifos Ethyl<br>Chlorpyrifos Methyl<br>Cyanazine<br>Demeton<br>Diazinon<br>Disulfoton<br>EPTC<br>Ethion<br>Ethoprop<br>Fenamiphos<br>Fipronil<br>Fipronil Sulfide<br>Fipronil Sulfone<br>Fonofos<br>Hexazinone<br>Malathion<br>Metalaxyl<br>Metolachlor<br>Metribuzin<br>Mevinphos<br>Molinate<br>Norflurazon<br>Parathion Ethyl<br>Parathion Methyl<br>Pendimethalin<br>Phorate<br>Prometon<br>Prometryn<br>Simazine<br>Terbufos<br>Terbutylazine |                    |                                                                                                 |
| 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 (Biological) With 1 Samples:**

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**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)             |                    |                                                             |

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