

Date of Request: 15-MAY-2017  
 Created By: MUSSON\_C On: 15-MAY-2017  
 Modified By: MUSSON\_C On: 15-MAY-2017  
 Customer: WQAP  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: Pine Hill, Tallavanna Lakes

**Send Coolers To:**

Phone: 850-245-8453  
 2600 Blair Stone Rd  
 MS #3525  
 Tallahassee, FL 32399-2400  
 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: 22-MAY-2017  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 06-JUN-2017  
 Received By:

**Send Final Report To:**

2600 Blair Stone Rd  
 MS #3525  
 Tallahassee, FL 32399-2400  
 Attn: Curtis Musson

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

Comments: Group A: Freshwater Kit  
 Group B: Organics (Pesticides)  
 Group C: Metlas  
 Group D: Bacteria (E. Coli)  
 Packing notes:  
 4L DI water for a Group A Blank

**Bottle Group A (Water) With 4 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, phaeophytin and ratio by spectrophotometry |
| Chlorophyll/Phaeophytin Ratio |                    |                                                                                                                    |
| 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                 |                    |                                                                                                                    |

**Bottle Group A (Water) With 4 Samples:**

| Bottle Type:               | Number of Bottles: | Preserved With:                                                     |
|----------------------------|--------------------|---------------------------------------------------------------------|
| W-S-A-TP<br>Total-P        | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-SO4-IC<br>Sulfate        | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                    |
| W-TDS<br>TDS               | Template: DEFAULT  | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices           |
| W-TKN<br>Kjeldahl Nitrogen | Template: DEFAULT  | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC<br>Organic Carbon    | Template: DEFAULT  | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices      |
| W-TSS<br>TSS               | Template: DEFAULT  | (SM 2540 D-97) Total Suspended Solids in aqueous matrices           |

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

| Bottle Type:                                                                                                                                                                                                                                                                                                                                                                                                                 | Number of Bottles: | Preserved With:                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------|
| W-AHERB-AA<br>*Triclopyr<br>2,4,5-T<br>2,4-D<br>2,4-DB<br>Acifluorfen<br>Bentazon<br>Dicamba<br>Dichlorprop<br>Dinoseb<br>MCPA<br>MCP<br>Picloram<br>Silvex                                                                                                                                                                                                                                                                  | Template: DEFAULT  | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS                 |
| W-GLYPH<br>*Glyphosate                                                                                                                                                                                                                                                                                                                                                                                                       | Template: DEFAULT  | (EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS                                                 |
| W-PCL-SQ-R<br>Aldrin<br>Alpha-BHC<br>Alpha-Chlordane<br>Beta-BHC<br>Carbophenothion<br>Chlorothalonil<br>Cypermethrin<br>DDD-p,p'<br>DDE-p,p'<br>DDT-p,p'<br>Delta-BHC<br>Dicofol<br>Dieldrin<br>Endosulfan I<br>Endosulfan II<br>Endosulfan Sulfate<br>Endrin<br>Endrin Aldehyde<br>Endrin Ketone<br>Gamma-BHC<br>Gamma-Chlordane<br>Heptachlor<br>Heptachlor Epoxide<br>Methoxychlor<br>Mirex<br>Permethrin<br>Trifluralin | Template: DEFAULT  | (EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM                                   |
| W-PSNP-TQ                                                                                                                                                                                                                                                                                                                                                                                                                    | Template: DEFAULT  | (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS |

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

|              |                    |                                                                                                        |
|--------------|--------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: | Number of Bottles: | Preserved With:                                                                                        |
| W-PSNP-TQ    | Template: DEFAULT  | (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS |

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  
 Terbutylazine

|            |                   |                                                            |
|------------|-------------------|------------------------------------------------------------|
| W-PYR-AA-R | Template: DEFAULT | (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS |
|------------|-------------------|------------------------------------------------------------|

\*Pyraclostrobin

|            |                   |                                                                   |
|------------|-------------------|-------------------------------------------------------------------|
| 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 C (Water) With 1 Samples:**

|              |                    |                                                                                                                                                |
|--------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: | Number of Bottles: | Preserved With:                                                                                                                                |
| W-ICP        | Template: DEFAULT  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

Calcium

Chromium

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

| Bottle Type: | Number of Bottles:                       | Preserved With:                                                                                                                                |
|--------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| W-ICP        | Template: <del>SM 9223 Quanti-Tray</del> | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Iron         |                                          |                                                                                                                                                |
| Magnesium    |                                          |                                                                                                                                                |
| Nickel       |                                          |                                                                                                                                                |
| Potassium    |                                          |                                                                                                                                                |
| Sodium       |                                          |                                                                                                                                                |
| Zinc         |                                          |                                                                                                                                                |
| W-ICPMS      | Template: <del>SM 9223 Quanti-Tray</del> | (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 D (Water) With 1 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 |                    |                                                                                                          |

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