

Date of Request: 22-JAN-2019  
 Created By: PARRISH\_J On: 22-JAN-2019  
 Modified By: JASROTIA\_P On: 11-FEB-2019  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Sampling Event: Suwannee North

**Send Coolers To:**

Phone: 904-807-3300  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 11-FEB-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 11-FEB-2019  
 Sampling Kit Required: YES Ship on: 22-FEB-2019  
 Sampling Kit Shipped: YES On: 19-FEB-2019  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 04-MAR-2019  
 Received By: SHAIK\_A On: 07-MAR-2019

**Send Final Report To:**

8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish

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

Comments: Group A: Nutrients, Metals, Bacteria, markers, tracers, pesticides  
 Group B: Nutrients, Bacteria, markers, tracers

NE-ALS-ECQ

Packing Notes:  
 none

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

|                             |                      |                                                                                                                         |
|-----------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                      |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                       |
| 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)                    |
| W-SO <sub>4</sub> -IC       | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                        |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                               |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                           |
| Bottle Type: P-125ML        | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                              |
| W-PO <sub>4</sub> -F        | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                |
| Bottle Type: BG-1L          | Number of Bottles: 4 | Preserved With: ICE                                                                                                     |
| W-PSNP-TQ                   | Template: DEFAULT    | (EPA 8270D) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS                                      |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry            |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |

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

|                           |                      |                                                                                                                                                |
|---------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| PCR-FILTER                | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                                                  |
| Bottle Type: BG-500ML     | Number of Bottles: 1 | Preserved With: CH2ClCOOH Pre-Preserved                                                                                                        |
| W-CARB-AA                 | Template: DEFAULT    | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                                                         |
| Bottle Type: BG-500ML     | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| W-CT-CI-R                 | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization                                              |
| W-PCL-SQ-R                | Template:            | (EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM                                                                           |
| Bottle Type: BG-500ML     | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                | 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 Type: P-500ML      | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| 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                  |                      |                                                                                                                                                |

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                       |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices      |

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

|                             |                      |                                                                                                                         |
|-----------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                             |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                      |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                       |
| 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)                    |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                        |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                               |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                           |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry            |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |

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

|                           |                      |                                                                                          |
|---------------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                      |
| PCR-FILTER                | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis            |
| Bottle Type: BG-500ML     | Number of Bottles: 1 | Preserved With: ICE                                                                      |
| W-E8321-DI                | 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 Type: P-500ML      | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| W-NH3                     | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| W-NO2NO3                  | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| W-S-A-TP                  | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| W-TKN                     | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                     | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                           |
| Bottle Type: P-125ML      | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F                   | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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