

Date of Request: 31-MAR-2017  
 Created By: PARRISH\_J On: 31-MAR-2017  
 Modified By: MATTHEWS\_D On: 20-APR-2017  
 Customer: NE-DIST  
 Project: SMP  
 Division:  
 District: Northeast District  
 Sampling Event: 2213H LSJR

**Send Coolers To:**

Phone: 904-256-1700  
 8800 Baymeadows Way West  
 suite 100  
 Jacksonville, FL 32256-7577  
 Attn: Greg Strong

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 17-APR-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 20-APR-2017  
 Sampling Kit Required: YES Ship on: 25-APR-2017  
 Sampling Kit Shipped: YES On: 25-APR-2017  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 08-MAY-2017  
 Received By: SHAIK\_A On: 11-MAY-2017

**Send Final Report To:**

8800 Baymeadows Way West  
 suite 100  
 Jacksonville, FL 32256-7577  
 Attn: Jeremy Parrish

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

Comments: Group A: Freshwater Kit With Metals

**Bottle Group A (Water) With 3 Samples:**

|                               |                      |                                                                                                                                                |
|-------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L             | Number of Bottles: 3 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                    | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                       |
| Total Alkalinity              |                      |                                                                                                                                                |
| 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-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-TSS                         | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                      |
| TSS                           |                      |                                                                                                                                                |
| Bottle Type: BP-1L            | Number of Bottles: 3 | Preserved With: ICE                                                                                                                            |
| 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                 |                      |                                                                                                                                                |
| Bottle Type: P-500ML          | Number of Bottles: 3 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| 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 A (Water) With 3 Samples:**

|                      |                                |                                                                                                                                                |
|----------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 3           | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: <del>AMMONIA-N</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>AMMONIA-N</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 Type: P-500ML | Number of Bottles: 3           | Preserved With: ICE And H2SO4                                                                                                                  |
| 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-S-A-TP             | Template: DEFAULT              | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| Total-P              |                                |                                                                                                                                                |
| 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       |                                |                                                                                                                                                |
| Bottle Type: P-125ML | Number of Bottles: 3           | Preserved With: ICE-FLTR                                                                                                                       |
| 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 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                                                        |
| Total Alkalinity              |                      |                                                                                                                    |
| 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-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-TSS                         | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                          |
| TSS                           |                      |                                                                                                                    |
| Bottle Type: BP-1L            | Number of Bottles: 1 | Preserved With: ICE                                                                                                |
| 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                 |                      |                                                                                                                    |
| 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                                                         |
| Ammonia-N                     |                      |                                                                                                                    |
| W-NO2NO3                      | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                 |
| NO2NO3-N                      |                      |                                                                                                                    |

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

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| Total-P              |                      |                                                                                          |
| 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       |                      |                                                                                          |
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                 |
| 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 C (Biological) With 1 Samples:**

|                                           |                      |                                                                |
|-------------------------------------------|----------------------|----------------------------------------------------------------|
| Bottle Type: PJ-2L                        | Number of Bottles: 2 | Preserved With: Formalin                                       |
| 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.