

Date of Request: 07-MAR-2019  
 Created By: PARRISH\_J On: 07-MAR-2019  
 Modified By: JASROTIA\_P On: 08-MAR-2019  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Sampling Event: Nassau East Boat

**Send Coolers To:**

Phone: 904-256-1700  
 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: 08-MAR-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 08-MAR-2019  
 Sampling Kit Required: YES Ship on: 22-MAR-2019  
 Sampling Kit Shipped: YES On: 18-MAR-2019  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: YES  
 Date to Receive Samples: 01-APR-2019  
 Received By: REAVES\_S On: 09-APR-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  
 Group B: Nutrients, Metals, Bacteria

NE-ALS-ENQ  
 NE-ALS-ECQ

Packing Notes:  
 1 - case of sulfuric acid/2 sets of labels  
 1 - case of nitric acid/2 sets of labels

**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-BR-IC Template: DEFAULT    | (EPA 300.0)          | Bromide in aqueous matrices                                                                  |
| Bromide                      |                      |                                                                                              |
| W-F Template: DEFAULT        | (SM 4500 F-C-97)     | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)          |
| Fluoride                     |                      |                                                                                              |
| W-TSS Template: DEFAULT      | (SM 2540 D-97)       | Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample               |
| 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, and phaeophytin by spectrophotometry     |
| Chlorophyll-a, Corrected     |                      |                                                                                              |
| Chlorophyll-a, Uncorrected   |                      |                                                                                              |
| Phaeophytin-a                |                      |                                                                                              |
| Bottle Type: P-250ML-WI-THI  | Number of Bottles: 3 | Preserved With: ICE                                                                          |
| NE-ALS-ENQ Template: DEFAULT | (ASTM D650399)       | Enterococci by Enterolert Quanti-Tray Method by ALS Environmental Laboratory in Jacksonville |
| ENTEROCOCCI-ENTEROLERT       |                      |                                                                                              |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 3 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: S-METALS   | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Iron                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| 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                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |
| 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: FILTER-ICE                                                                                                                     |
| 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-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                                                                                     |
| Ammonia-N            |                      |                                                                                                                                                |

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

|                                                                                       |                      |                                                                                                                         |
|---------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML                                                                  | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                           |
| W-NO2NO3<br>NO2NO3-N                                                                  | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                      |
| 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-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                                                          |
| Bottle Type: P-125ML                                                                  | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                              |
| W-PO4-F<br>O-Phosphate-P                                                              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                |
| Bottle Type: P-1L                                                                     | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| ALKALINITY<br>Total Alkalinity                                                        | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                             |
| 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-F<br>Fluoride                                                                       | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                    |
| 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-TSS<br>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<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            |
| Bottle Type: P-250ML-WI-THI                                                           | Number of Bottles: 1 | Preserved With: ICE                                                                                                     |
| NE-ALS-ECQ<br>Escherichia Coli-Quanti-Tray                                            | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville |

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

|                                    |                      |                                                                                                                                                |
|------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                  | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY<br>Total Alkalinity     | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                    |
| TURBIDITY<br>Turbidity             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-BR-IC<br>Bromide                 | Template: DEFAULT    | (EPA 300.0) Bromide in aqueous matrices                                                                                                        |
| W-F<br>Fluoride                    | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-TSS<br>TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| Bottle Type: P-500ML               | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-ICP<br>Iron<br>Manganese<br>Zinc | Template: S-METALS   | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

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

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                        |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| 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                                                                  |
| 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: 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                                    |
| O-Phosphate-P        |                      |                                                                                                                             |

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