

Date of Request: 14-FEB-2019  
 Created By: PARRISH\_J On: 14-FEB-2019  
 Modified By: JASROTIA\_P On: 26-FEB-2019  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Sampling Event: SCI Deep 2245, Ryal 2302

**Send Coolers To:**

Phone: 904-256-1700  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish

**Send Final Report To:**

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: 26-FEB-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 26-FEB-2019  
 Sampling Kit Required: YES Ship on: 08-MAR-2019  
 Sampling Kit Shipped: YES On: 06-MAR-2019  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 18-MAR-2019  
 Received By: REAVES\_S On: 22-MAR-2019

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, Bacteria  
 Group B: SCI, Algae\_ID

NE-ALS-ECQ

Packing Notes:  
 none

**Bottle Group A (Water) With 2 Samples:**

|                            |                      |                                                                                                              |
|----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L          | Number of Bottles: 2 | 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 using a maximum of 250 mL of sample                |
| TSS                        |                      |                                                                                                              |
| Bottle Type: BP-1L         | Number of Bottles: 2 | 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 |                      |                                                                                                              |

**Bottle Group A (Water) With 2 Samples:**

|                              |                      |                                                                                                                                                |
|------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                   | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Phaeophytin-a                |                      |                                                                                                                                                |
| Bottle Type: P-250ML-WI-THI  | Number of Bottles: 2 | 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                        |
| Escherichia Coli-Quanti-Tray |                      |                                                                                                                                                |
| Bottle Type: BG-500ML        | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                   | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| *Acesulfame K                |                      |                                                                                                                                                |
| *AMPA                        |                      |                                                                                                                                                |
| *Endothall                   |                      |                                                                                                                                                |
| *Glufosinate                 |                      |                                                                                                                                                |
| *Glyphosate                  |                      |                                                                                                                                                |
| *Sucralose                   |                      |                                                                                                                                                |
| W-E8321-MS                   | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| *Acetaminophen               |                      |                                                                                                                                                |
| *Carbamazepine               |                      |                                                                                                                                                |
| *Fluridone                   |                      |                                                                                                                                                |
| *Hydrocodone                 |                      |                                                                                                                                                |
| *Ibuprofen                   |                      |                                                                                                                                                |
| *Imazapyr                    |                      |                                                                                                                                                |
| *Naproxen                    |                      |                                                                                                                                                |
| *Primidone                   |                      |                                                                                                                                                |
| *Pyraclostrobin              |                      |                                                                                                                                                |
| *Triclopyr                   |                      |                                                                                                                                                |
| 2,4-D                        |                      |                                                                                                                                                |
| Bentazon                     |                      |                                                                                                                                                |
| Diuron                       |                      |                                                                                                                                                |
| Fenuron                      |                      |                                                                                                                                                |
| Imidacloprid                 |                      |                                                                                                                                                |
| Linuron                      |                      |                                                                                                                                                |
| MCP                          |                      |                                                                                                                                                |
| Bottle Type: P-500ML         | Number of Bottles: 2 | 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 |
| Aluminum                     |                      |                                                                                                                                                |
| 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: 2 | 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 A (Water) With 2 Samples:**

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                            |
| 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: 2 | 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 Type: BG-1L   | Number of Bottles: 6 | Preserved With: ICE                                                                      |
| W-PSNP-TQ            | Template: DEFAULT    | (EPA 8270D) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS       |
| *Dimethenamid        |                      |                                                                                          |
| *Dithiopyr           |                      |                                                                                          |
| *Fipronil Desulfinyl |                      |                                                                                          |
| *Oxadiazon           |                      |                                                                                          |
| *Prodiamine          |                      |                                                                                          |
| *Tebuconazole        |                      |                                                                                          |
| 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        |                      |                                                                                          |

**Bottle Group B (Biological) With 2 Samples:**

|                    |                      |                          |
|--------------------|----------------------|--------------------------|
| Bottle Type: PJ-2L | Number of Bottles: 4 | Preserved With: Formalin |
|--------------------|----------------------|--------------------------|

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**Bottle Group B (Biological) With 2 Samples:**

Bottle Type: PJ-2L      Number of Bottles: 4      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)  
Bottle Type: PT-50ML      Number of Bottles: 2      Preserved With: ICE  
ALGAL\_ID      Template: DEFAULT      (SOP-AB05) Qualitative assessment of algal taxa present without counts  
\*Dominant sample taxon

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