

Date of Request: 23-JAN-2019  
 Created By: KING\_M On: 23-JAN-2019  
 Modified By: JASROTIA\_P On: 30-JAN-2019  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District NWROC  
 Sampling Event: Bioassessment

**Send Coolers To:**

Phone: 850-595-0605  
 160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Michael King

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 29-JAN-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 30-JAN-2019  
 Sampling Kit Required: YES Ship on: 08-FEB-2019  
 Sampling Kit Shipped: YES On: 01-FEB-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 18-FEB-2019  
 Received By: REAVES\_S On: 04-APR-2019

**Send Final Report To:**

160 Government Center  
 Suite 308  
 Pensacola, FL 32502-5794  
 Attn: Cheryl Bunch

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  
 Group B: SCI, Algae\_ID

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

|                            |                      |                                                                                                              |
|----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY                 | Template: DEFAULT    | (SM 2320 B-2011) 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| Color (true)               |                      |                                                                                                              |
| W-F                        | Template: DEFAULT    | (SM 4500 F-C-2011) 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-2011) Total Dissolved Solids in aqueous matrices                                                  |
| TDS                        |                      |                                                                                                              |
| W-TSS                      | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| 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, and phaeophytin by spectrophotometry |
| Chlorophyll-a, Corrected   |                      |                                                                                                              |
| Chlorophyll-a, Uncorrected |                      |                                                                                                              |
| Phaeophytin-a              |                      |                                                                                                              |
| Bottle Type: TEST HAS NO   | Number of Bottles: 1 | Preserved With: ICE                                                                                          |

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

|                                 |                                                                                                                                                |                               |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Bottle Type: TEST HAS NO        | Number of Bottles: 1                                                                                                                           | Preserved With: ICE           |
| NW-UWF-ECQ    Template: DEFAULT | (SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola                                                                          |                               |
| Escherichia Coli-Quanti-Tray    |                                                                                                                                                |                               |
| Bottle Type: BG-500ML           | Number of Bottles: 1                                                                                                                           | Preserved With: ICE           |
| W-E8321-DI    Template:         | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |                               |
| *Acesulfame K                   |                                                                                                                                                |                               |
| *AMPA                           |                                                                                                                                                |                               |
| *Endothall                      |                                                                                                                                                |                               |
| *Glufosinate                    |                                                                                                                                                |                               |
| *Glyphosate                     |                                                                                                                                                |                               |
| *Ibuprofen                      |                                                                                                                                                |                               |
| *Sucralose                      |                                                                                                                                                |                               |
| W-E8321-MS    Template:         | (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                         |                                                                                                                                                |                               |
| MCPP                            |                                                                                                                                                |                               |
| 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                       |                                                                                                                                                |                               |
| 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                         |                                                                                                                                                |                               |

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

Bottle Type: P-500ML      Number of Bottles: 1      Preserved With: ICE And H2SO4  
 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-2011) 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  
 Bottle Type: BG-1L      Number of Bottles: 4      Preserved With: ICE  
 W-PSNP-TQ      Template:      (EPA 8270E) 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 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)  
 Bottle Type: PT-50ML      Number of Bottles: 1      Preserved With: ICE

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

Bottle Type: PT-50ML

Number of Bottles: 1

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.