

Date of Request: 16-OCT-2019  
 Created By: KING\_M On: 16-OCT-2019  
 Modified By: JASROTIA\_P On: 17-OCT-2019  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Sampling Event: Navarre Run

**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: 16-OCT-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 17-OCT-2019  
 Sampling Kit Required: YES Ship on: 25-OCT-2019  
 Sampling Kit Shipped: YES On: 21-OCT-2019  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 04-NOV-2019  
 Received By: KLUG\_K On: 14-NOV-2019

**Send Final Report To:**

160 Government Center  
 Suite 208  
 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: Freshwater  
 (WBID 864A) Nutrients, Bacteria  
  
 Group B: Marinewater  
 (WBID 893, FIELD DUPLICATE) Nutrients, Bacteria  
  
 Group C: Marinewater  
 (WBID FIELD BLANK) Nutrients, No chlorophyll

**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-SO <sub>4</sub> -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 |                      |                                                                                                              |

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

|                            |                      |                                                                                                              |
|----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| 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, 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                   |                      |                                                                                                              |
| 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-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 Group B (Water) With 2 Samples:**

|                      |                      |                                                                                    |
|----------------------|----------------------|------------------------------------------------------------------------------------|
| Bottle Type: BG-1L   | Number of Bottles: 6 | 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        |                      |                                                                                    |

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

|                            |                       |                                                                                                              |
|----------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BG-1L         | Number of Bottles: 6  | Preserved With: ICE                                                                                          |
| W-PSNP-TQ                  | Template: (EPA 8270E) | Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS                                       |
| Phorate                    |                       |                                                                                                              |
| Prometon                   |                       |                                                                                                              |
| Prometryn                  |                       |                                                                                                              |
| Simazine                   |                       |                                                                                                              |
| Terbufos                   |                       |                                                                                                              |
| Terbutylazine              |                       |                                                                                                              |
| Bottle Type: P-1L          | Number of Bottles: 2  | Preserved With: ICE                                                                                          |
| ALKALINITY                 | Template: DEFAULT     | (SM 2320 B-2011) 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-BR-IC                    | Template: DEFAULT     | (EPA 300.0 Rev. 2.1) Bromide in aqueous matrices                                                             |
| Bromide                    |                       |                                                                                                              |
| W-F                        | Template: DEFAULT     | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |
| Fluoride                   |                       |                                                                                                              |
| 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: 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 |                       |                                                                                                              |
| Phaeophytin-a              |                       |                                                                                                              |
| Bottle Type: TEST HAS NO   | Number of Bottles: 2  | Preserved With: ICE                                                                                          |
| NW-UWF-ENQ                 | Template: DEFAULT     | (Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola                                             |
| Enterococci-Quanti-Tray    |                       |                                                                                                              |
| 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                  |                       |                                                                                                              |
| 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-2011) 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 Group C (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 CaCO3/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 Rev. 2.1) Bromide in aqueous matrices                                                       |
| Bromide           |                      |                                                                                                        |
| 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           |                      |                                                                                                        |

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

|                      |                      |                                                                                                 |
|----------------------|----------------------|-------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                             |
| 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: 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-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        |                      |                                                                                                 |

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