

Date of Request: 20-FEB-2017  
 Created By: KING\_M On: 20-FEB-2017  
 Modified By: MATTHEWS\_D On: 28-FEB-2017  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Sampling Event: EAST LAKE RUN WBID 204A 269A 283

**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: 22-FEB-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 28-FEB-2017  
 Sampling Kit Required: YES Ship on: 02-MAR-2017  
 Sampling Kit Shipped: YES On: 03-MAR-2017  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 13-MAR-2017  
 Received By: SHAIK\_A On: 15-MAR-2017

**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: Freshwater Kit With Metals  
 Group B: Pesticides

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

|                               |                      |                                                                                                                                                |
|-------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L             | Number of Bottles: 3 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                    | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                       |
| Total Alkalinity              |                      |                                                                                                                                                |
| TURBIDITY                     | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| Turbidity                     |                      |                                                                                                                                                |
| W-CL-IC                       | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| Chloride                      |                      |                                                                                                                                                |
| W-COLOR                       | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)                  |                      |                                                                                                                                                |
| W-F                           | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| Fluoride                      |                      |                                                                                                                                                |
| W-SO4-IC                      | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| Sulfate                       |                      |                                                                                                                                                |
| W-TDS                         | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| TDS                           |                      |                                                                                                                                                |
| W-TSS                         | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                      |
| TSS                           |                      |                                                                                                                                                |
| Bottle Type: BP-1L            | Number of Bottles: 3 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                    | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry                             |
| Chlorophyll/Phaeophytin Ratio |                      |                                                                                                                                                |
| Chlorophyll-a, Corrected      |                      |                                                                                                                                                |
| Chlorophyll-a, Uncorrected    |                      |                                                                                                                                                |
| Phaeophytin-a                 |                      |                                                                                                                                                |
| Bottle Type: P-500ML          | Number of Bottles: 3 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-ICP                         | Template: DEFAULT    | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium                       |                      |                                                                                                                                                |

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

|                      |                              |                                                                                                                                                |
|----------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 3         | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: <del>DEFAULT</del> | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Chromium             |                              |                                                                                                                                                |
| Iron                 |                              |                                                                                                                                                |
| Magnesium            |                              |                                                                                                                                                |
| Nickel               |                              |                                                                                                                                                |
| Potassium            |                              |                                                                                                                                                |
| Sodium               |                              |                                                                                                                                                |
| Zinc                 |                              |                                                                                                                                                |
| W-ICPMS              | Template: <del>DEFAULT</del> | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic              |                              |                                                                                                                                                |
| Cadmium              |                              |                                                                                                                                                |
| Copper               |                              |                                                                                                                                                |
| Lead                 |                              |                                                                                                                                                |
| Silver               |                              |                                                                                                                                                |
| Bottle Type: P-500ML | Number of Bottles: 3         | Preserved With: ICE And H2SO4                                                                                                                  |
| W-NH3                | Template: DEFAULT            | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| Ammonia-N            |                              |                                                                                                                                                |
| W-NO2NO3             | Template: DEFAULT            | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                             |
| NO2NO3-N             |                              |                                                                                                                                                |
| W-S-A-TP             | Template: DEFAULT            | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| Total-P              |                              |                                                                                                                                                |
| W-TKN                | Template: DEFAULT            | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| Kjeldahl Nitrogen    |                              |                                                                                                                                                |
| W-TOC                | Template: DEFAULT            | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                 |
| Organic Carbon       |                              |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 3 | Preserved With: ICE-FLTR                                                                 |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| O-Phosphate-P        |                      |                                                                                          |

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

|                       |                              |                                                                                        |
|-----------------------|------------------------------|----------------------------------------------------------------------------------------|
| Bottle Type: BG-1L    | Number of Bottles: 1         | Preserved With: ICE                                                                    |
| W-AHERB-AA            | Template: <del>DEFAULT</del> | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS |
| *Triclopyr            |                              |                                                                                        |
| 2,4,5-T               |                              |                                                                                        |
| 2,4-D                 |                              |                                                                                        |
| 2,4-DB                |                              |                                                                                        |
| Acifluorfen           |                              |                                                                                        |
| Bentazon              |                              |                                                                                        |
| Dichlorprop           |                              |                                                                                        |
| Dinoseb               |                              |                                                                                        |
| MCPA                  |                              |                                                                                        |
| MCPP                  |                              |                                                                                        |
| Picloram              |                              |                                                                                        |
| Silvex                |                              |                                                                                        |
| W-GLYPH               | Template: DEFAULT            | (EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS                                 |
| *Glyphosate           |                              |                                                                                        |
| W-SUC-AA-R            | Template: DEFAULT            | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                      |
| *Sucralose            |                              |                                                                                        |
| W-UHERB-AA            | Template: DEFAULT            | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS   |
| *Acetaminophen        |                              |                                                                                        |
| *Carbamazepine        |                              |                                                                                        |
| *Fluridone            |                              |                                                                                        |
| *Primidone            |                              |                                                                                        |
| Diuron                |                              |                                                                                        |
| Fenuron               |                              |                                                                                        |
| Imidacloprid          |                              |                                                                                        |
| Linuron               |                              |                                                                                        |
| Bottle Type: BG-500ML | Number of Bottles: 4         | Preserved With: ICE                                                                    |
| W-PCL-SQ-R            | Template: DEFAULT            | (EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM                   |

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

Bottle Type: BG-500ML      Number of Bottles: 4      Preserved With: ICE  
 W-PCL-SQ-R      Template: DEFAULT      (EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM

Aldrin  
 Alpha-BHC  
 Alpha-Chlordane  
 Beta-BHC  
 Carbophenothion  
 Chlorothalonil  
 Cypermethrin  
 DDD-p,p'  
 DDE-p,p'  
 DDT-p,p'  
 Delta-BHC  
 Dicofol  
 Dieldrin  
 Endosulfan I  
 Endosulfan II  
 Endosulfan Sulfate  
 Endrin  
 Endrin Aldehyde  
 Endrin Ketone  
 Gamma-BHC  
 Gamma-Chlordane  
 Heptachlor  
 Heptachlor Epoxide  
 Methoxychlor  
 Mirex  
 Permethrin  
 Trifluralin

Bottle Type: BG-1L      Number of Bottles: 4      Preserved With: ICE  
 W-PSNP-TQ      Template: DEFAULT      (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

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

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

|                                                                                                                                                  |                      |                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: BG-1L                                                                                                                               | Number of Bottles: 4 | Preserved With: ICE                                                                                    |
| W-PSNP-TQ                                                                                                                                        | Template: DEFAULT    | (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS |
| Norflurazon<br>Parathion Ethyl<br>Parathion Methyl<br>Pendimethalin<br>Phorate<br>Prometon<br>Prometryn<br>Simazine<br>Terbufos<br>Terbutylazine |                      |                                                                                                        |

|                    |                      |                                                            |
|--------------------|----------------------|------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 1 | Preserved With: ICE                                        |
| W-PYR-AA-R         | Template: DEFAULT    | (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS |
| *Pyraclostrobin    |                      |                                                            |

**Bottle Group C (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 CaCO <sub>3</sub> /L                                           |
| Total Alkalinity              |                      |                                                                                                                    |
| TURBIDITY                     | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                 |
| Turbidity                     |                      |                                                                                                                    |
| W-CL-IC                       | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                  |
| Chloride                      |                      |                                                                                                                    |
| W-COLOR                       | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                          |
| Color (true)                  |                      |                                                                                                                    |
| W-F                           | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)               |
| Fluoride                      |                      |                                                                                                                    |
| W-SO4-IC                      | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                   |
| Sulfate                       |                      |                                                                                                                    |
| W-TDS                         | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                          |
| TDS                           |                      |                                                                                                                    |
| W-TSS                         | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                          |
| TSS                           |                      |                                                                                                                    |
| Bottle Type: BP-1L            | Number of Bottles: 2 | Preserved With: ICE                                                                                                |
| CHLSUITE-W                    | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry |
| Chlorophyll/Phaeophytin Ratio |                      |                                                                                                                    |
| Chlorophyll-a, Corrected      |                      |                                                                                                                    |
| Chlorophyll-a, Uncorrected    |                      |                                                                                                                    |
| Phaeophytin-a                 |                      |                                                                                                                    |

|                                    |                      |                                                                     |
|------------------------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML               | Number of Bottles: 2 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>              |
| W-NH <sub>3</sub>                  | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| Ammonia-N                          |                      |                                                                     |
| W-NO <sub>2</sub> NO <sub>3</sub>  | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| NO <sub>2</sub> NO <sub>3</sub> -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: ICE-FLTR                                                                 |
| W-PO <sub>4</sub> -F | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| O-Phosphate-P        |                      |                                                                                          |