

Date of Request: 01-APR-2019  
 Created By: MUSSON\_C On: 01-APR-2019  
 Modified By: MUSSON\_C On: 01-APR-2019  
 Customer: WAS-SECT  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: NWQI - Alligator Creek

**Send Coolers To:**

Phone: 850-245-8453  
 2600 Blair Stone Rd

Tallahassee, FL 32399  
 Attn: Curtis Musson

Program Module Number:  
 Priority: 3  
 Event Status: P  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By:  
 Biology Request Reviewed By:  
 Sampling Kit Required: YES Ship on: 15-APR-2019  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: YES  
 Date to Receive Samples: 01-MAY-2019  
 Received By:

**Send Final Report To:**

2600 Blair Stone Rd

Tallahassee, FL 32399  
 Attn: Curtis Musson

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: Group A: Nutrients, Metals, PCR-FILTER, Pesticides, E. coli  
 WBID 130 Minnow Creek  
  
 Group B: Nutrients, Metals, PCR (HF183, BacR), Tracers, E. coli  
 WBID123. Alligator Creek at SR 273  
  
 Group C x 6  
 Nutrients, PCR (HF183, BacR), Tracers, E. coli  
 WBIDs 123x2, 195, 233A, 235, 262A  
  
 Packing Notes:  
 No FedEx labels  
 No Trash Bags  
 1 CA H2SO4

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

| Bottle Type:                                                            | Number of Bottles: | Preserved With:                                                                                              |
|-------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY<br>Total Alkalinity                                          | Template: DEFAULT  | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                  |
| CHLSUITE-W                                                              | Template: DEFAULT  | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Chlorophyll-a, Corrected<br>Chlorophyll-a, Uncorrected<br>Phaeophytin-a |                    |                                                                                                              |
| ECOLI-18QT                                                              | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |
| Escherichia Coli-Quanti-Tray                                            |                    |                                                                                                              |
| PCR-FILTER<br>*HF183 - Human Source Marker                              | Template: DEFAULT  | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                |
| TURBIDITY<br>Turbidity                                                  | Template: DEFAULT  | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CARB-AA<br>3-Hydroxycarbofuran<br>Aldicarb                            | Template: DEFAULT  | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                       |

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

| Bottle Type:       | Number of Bottles: | Preserved With:                                                                                                                                |
|--------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| W-CARB-AA          | Template: DEFAULT  | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                                                         |
| Aldicarb Sulfone   |                    |                                                                                                                                                |
| Aldicarb Sulfoxide |                    |                                                                                                                                                |
| Carbaryl           |                    |                                                                                                                                                |
| Carbofuran         |                    |                                                                                                                                                |
| Methiocarb         |                    |                                                                                                                                                |
| Methomyl           |                    |                                                                                                                                                |
| Oxamyl             |                    |                                                                                                                                                |
| Propoxur           |                    |                                                                                                                                                |
| 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-CT-CI-R          | Template: DEFAULT  | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization                                              |
| Chlordane          |                    |                                                                                                                                                |
| Toxaphene          |                    |                                                                                                                                                |
| 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            |                    |                                                                                                                                                |
| MCPP               |                    |                                                                                                                                                |
| W-F                | Template: DEFAULT  | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| Fluoride           |                    |                                                                                                                                                |
| 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            |                    |                                                                                                                                                |

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

| Bottle Type:         | Number of Bottles: | Preserved With:                                                                                                             |
|----------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS              | Template:          | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Cadmium              |                    |                                                                                                                             |
| Chromium             |                    |                                                                                                                             |
| Copper               |                    |                                                                                                                             |
| Lead                 |                    |                                                                                                                             |
| Nickel               |                    |                                                                                                                             |
| Selenium             |                    |                                                                                                                             |
| Silver               |                    |                                                                                                                             |
| Thallium             |                    |                                                                                                                             |
| 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-PCL-SQ-R           | Template: DEFAULT  | (EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM                                                        |
| *Bifenthrin          |                    |                                                                                                                             |
| *Cis-Nonachlor       |                    |                                                                                                                             |
| *Ethalfuralin        |                    |                                                                                                                             |
| *Hexachlorobenzene   |                    |                                                                                                                             |
| *Trans-Nonachlor     |                    |                                                                                                                             |
| 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          |                    |                                                                                                                             |
| 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        |                    |                                                                                                                             |
| 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             |                    |                                                                                                                             |

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

| Bottle Type:        | Number of Bottles: | Preserved With:                                                                               |
|---------------------|--------------------|-----------------------------------------------------------------------------------------------|
| W-PSNP-TQ           | Template: DEFAULT  | (EPA 8270D) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS            |
| 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       |                    |                                                                                               |
| W-S-A-TP            | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                           |
| Total-P             |                    |                                                                                               |
| 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-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      |                    |                                                                                               |
| W-TSS               | Template: DEFAULT  | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |
| TSS                 |                    |                                                                                               |

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

| Bottle Type:               | Number of Bottles: | Preserved With:                                                                                              |
|----------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY                 | Template: DEFAULT  | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                  |
| Total Alkalinity           |                    |                                                                                                              |
| 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              |                    |                                                                                                              |
| ECOLI-18QT                 | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |

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

| Bottle Type:                 | Number of Bottles: | Preserved With:                                                                                                                                |
|------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| ECOLI-18QT                   | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                       |
| Escherichia Coli-Quanti-Tray |                    |                                                                                                                                                |
| PCR-BACR                     | Template: DEFAULT  | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction  |
| *BacR-qPCR                   |                    |                                                                                                                                                |
| PCR-HF183                    | Template: DEFAULT  | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| *HF183-qPCR                  |                    |                                                                                                                                                |
| 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-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                      |                    |                                                                                                                                                |
| MCPP                         |                    |                                                                                                                                                |
| W-F                          | Template: DEFAULT  | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| Fluoride                     |                    |                                                                                                                                                |
| 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                       |                    |                                                                                                                                                |

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

| Bottle Type:      | Number of Bottles: | Preserved With:                                                                                                             |
|-------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS           | Template:          | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Lead              |                    |                                                                                                                             |
| Nickel            |                    |                                                                                                                             |
| Selenium          |                    |                                                                                                                             |
| Silver            |                    |                                                                                                                             |
| Thallium          |                    |                                                                                                                             |
| 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-PO4-F           | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                    |
| O-Phosphate-P     |                    |                                                                                                                             |
| W-S-A-TP          | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                         |
| Total-P           |                    |                                                                                                                             |
| 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-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    |                    |                                                                                                                             |
| W-TSS             | Template: DEFAULT  | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                               |
| TSS               |                    |                                                                                                                             |

**Bottle Group C (Water) With 6 Samples:**

| Bottle Type:                 | Number of Bottles: | Preserved With:                                                                                                                               |
|------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| ALKALINITY                   | Template: DEFAULT  | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                   |
| Total Alkalinity             |                    |                                                                                                                                               |
| 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                |                    |                                                                                                                                               |
| ECOLI-18QT                   | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                      |
| Escherichia Coli-Quanti-Tray |                    |                                                                                                                                               |
| PCR-BACR                     | Template: DEFAULT  | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| *BacR-qPCR                   |                    |                                                                                                                                               |
| PCR-HF183                    | Template: DEFAULT  | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |
| *HF183-qPCR                  |                    |                                                                                                                                               |
| 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-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               |                    |                                                                                                                                               |

**Bottle Group C (Water) With 6 Samples:**

| Bottle Type:      | Number of Bottles: | Preserved With:                                                                                      |
|-------------------|--------------------|------------------------------------------------------------------------------------------------------|
| W-E8321-MS        | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS              |
| *Fluridone        |                    |                                                                                                      |
| *Hydrocodone      |                    |                                                                                                      |
| *Ibuprofen        |                    |                                                                                                      |
| *Imazapyr         |                    |                                                                                                      |
| *Naproxen         |                    |                                                                                                      |
| *Primidone        |                    |                                                                                                      |
| *Pyraclostrobin   |                    |                                                                                                      |
| *Triclopyr        |                    |                                                                                                      |
| 2,4-D             |                    |                                                                                                      |
| Bentazon          |                    |                                                                                                      |
| Diuron            |                    |                                                                                                      |
| Fenuron           |                    |                                                                                                      |
| Imidacloprid      |                    |                                                                                                      |
| Linuron           |                    |                                                                                                      |
| MCPP              |                    |                                                                                                      |
| W-F               | Template: DEFAULT  | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| Fluoride          |                    |                                                                                                      |
| 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-PO4-F           | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L             |
| O-Phosphate-P     |                    |                                                                                                      |
| W-S-A-TP          | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                  |
| Total-P           |                    |                                                                                                      |
| 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-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    |                    |                                                                                                      |
| W-TSS             | Template: DEFAULT  | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |
| TSS               |                    |                                                                                                      |

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