

Date of Request: 02-AUG-2021  
 Created By: MUSSON\_C On: 02-AUG-2021  
 Modified By: MUSSON\_C On: 02-AUG-2021  
 Customer: WAS-SECT  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Event Description: Little River Tribs.

**Send Coolers To:**

Phone: 850-245-8453  
 2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Curtis Musson  
 Cooler Ship EMail: Curtis.Musson@dep.state.fl.us

Priority: 3  
 Event Status: P  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By:  
 Biology Request Reviewed By:  
 Sampling Kit Required: YES Ship on: 20-SEP-2021  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: YES  
 Date to Receive Samples: 04-OCT-2021  
 Logged In By:

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Curtis Musson  
 Report Notification EMail: curtis.musson@dep.state.fl.us

Comments: Group A: Nutrients, CHLA, Metals, Tracers, Pesticides, E.Coli x2  
 Group B: Nutrients, CHLA, Metals, Tracers, E.Coli x3  
 Group C: Nutrients, Metals, Tracers, Pesticides x1

Packing Notes:  
 No FedEx Labels  
 No Trash Bags  
 1 case H2SO4  
 1 case HNO3

Sampling Note:  
 Group A: Willacoochee, Hurrican Crk  
 Group B: Lewis, Double, Richlander  
 Group C: Field Blank

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

| Bottle Type:                 | Number of Bottles:    | Preserved With:                                                                          |
|------------------------------|-----------------------|------------------------------------------------------------------------------------------|
| ALKALINITY Template: DEFAULT | (SM 2320 B-2011)      | 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 |                       |                                                                                          |
| TURBIDITY Template: DEFAULT  | (EPA 180.1 Rev. 2.0)  | Turbidity in aqueous matrices                                                            |
| Turbidity                    |                       |                                                                                          |
| W-CARB-AA Template: DEFAULT  | (EPA 8321B)           | Carbamates in water matrices by HPLC/MS/MS                                               |
| 3-Hydroxycarbofuran          |                       |                                                                                          |

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

| Bottle Type:                                                                                                                                                                                                                                                                                                                                                                       | Number of Bottles: | Preserved With:                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| W-CARB-AA<br>Aldicarb<br>Aldicarb Sulfone<br>Aldicarb Sulfoxide<br>Carbaryl<br>Carbofuran<br>Methiocarb<br>Methomyl<br>Oxamyl<br>Propoxur                                                                                                                                                                                                                                          | Template: DEFAULT  | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                                                         |
| W-CL-IC<br>Chloride                                                                                                                                                                                                                                                                                                                                                                | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR<br>Color (true)                                                                                                                                                                                                                                                                                                                                                            | Template: DEFAULT  | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                                                                |
| W-CT-CI-R<br>Chlordane<br>Toxaphene                                                                                                                                                                                                                                                                                                                                                | Template: DEFAULT  | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization                                              |
| W-E8321-DI<br>Acesulfame K<br>AMPA<br>Endothall<br>Glufosinate<br>Glyphosate<br>Sucralose                                                                                                                                                                                                                                                                                          | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS<br>2,4-D<br>2,4,5-T<br>Acetaminophen<br>Acetamiprid<br>Afidopyropen<br>Bentazon<br>Benzovindiflupyr<br>Carbamazepine<br>Clothianidin<br>Dinotefuran<br>Diuron<br>Fenuron<br>Fluridone<br>Hydrocodone<br>Ibuprofen<br>Imazapyr<br>Imidacloprid<br>Linuron<br>Mandestrobin<br>MCPP<br>Naproxen<br>Primidone<br>Pyraclostrobin<br>Thiamethoxam<br>Tolfenpyrad<br>Triclopyr | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-F<br>Fluoride                                                                                                                                                                                                                                                                                                                                                                    | Template: DEFAULT  | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                         |
| W-HARD<br>Hardness                                                                                                                                                                                                                                                                                                                                                                 | Template: DEFAULT  | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |
| W-ICP<br>Calcium                                                                                                                                                                                                                                                                                                                                                                   | Template:          | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

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

|                     |                    |                                                                                                                                                |
|---------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type:        | Number of Bottles: | Preserved With:                                                                                                                                |
| 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 |
| Iron                |                    |                                                                                                                                                |
| Magnesium           |                    |                                                                                                                                                |
| Potassium           |                    |                                                                                                                                                |
| Sodium              |                    |                                                                                                                                                |
| Strontium           |                    |                                                                                                                                                |
| Tin                 |                    |                                                                                                                                                |
| Titanium            |                    |                                                                                                                                                |
| Vanadium            |                    |                                                                                                                                                |
| Zinc                |                    |                                                                                                                                                |
| W-ICPMS             | Template: DEFAULT  | (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             |                    |                                                                                                                                                |
| Barium              |                    |                                                                                                                                                |
| Beryllium           |                    |                                                                                                                                                |
| Cadmium             |                    |                                                                                                                                                |
| Chromium            |                    |                                                                                                                                                |
| Cobalt              |                    |                                                                                                                                                |
| Copper              |                    |                                                                                                                                                |
| Lead                |                    |                                                                                                                                                |
| Manganese           |                    |                                                                                                                                                |
| Molybdenum          |                    |                                                                                                                                                |
| 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-TQ-R          | Template: DEFAULT  | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS                                                   |
| *Beta-Cyfluthrin    |                    |                                                                                                                                                |
| *Bifenthrin         |                    |                                                                                                                                                |
| *Cis-Nonachlor      |                    |                                                                                                                                                |
| *Dacthal            |                    |                                                                                                                                                |
| *Deltamethrin       |                    |                                                                                                                                                |
| *Dichlobenil        |                    |                                                                                                                                                |
| *Esfenvalerate      |                    |                                                                                                                                                |
| *Ethalfuralin       |                    |                                                                                                                                                |
| *Fenpropathrin      |                    |                                                                                                                                                |
| *Kepone             |                    |                                                                                                                                                |
| *Lambda-Cyhalothrin |                    |                                                                                                                                                |
| *MGK-264            |                    |                                                                                                                                                |
| *Phenothrin         |                    |                                                                                                                                                |
| *Piperonyl Butoxide |                    |                                                                                                                                                |
| *Prallethrin        |                    |                                                                                                                                                |
| *Tau-Fluvalinate    |                    |                                                                                                                                                |
| *Tetramethrin       |                    |                                                                                                                                                |
| *Trans-Nonachlor    |                    |                                                                                                                                                |
| *Triclosan Methyl   |                    |                                                                                                                                                |
| Aldrin              |                    |                                                                                                                                                |
| Alpha-BHC           |                    |                                                                                                                                                |
| Alpha-Chlordane     |                    |                                                                                                                                                |
| Beta-BHC            |                    |                                                                                                                                                |
| Carbophenothion     |                    |                                                                                                                                                |
| Chlorothalonil      |                    |                                                                                                                                                |

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

| Bottle Type:         | Number of Bottles: | Preserved With:                                                                              |
|----------------------|--------------------|----------------------------------------------------------------------------------------------|
| W-PCL-TQ-R           | Template: DEFAULT  | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS |
| 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   |                    |                                                                                              |
| Hexachlorobenzene    |                    |                                                                                              |
| 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 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS           |
| *Azoxystrobin        |                    |                                                                                              |
| *Caffeine            |                    |                                                                                              |
| *Carfentrazone Ethyl |                    |                                                                                              |
| *Difenoconazole      |                    |                                                                                              |
| *Dimethenamid        |                    |                                                                                              |
| *Dithiopyr           |                    |                                                                                              |
| *Fenbuconazole       |                    |                                                                                              |
| *Fipronil Desulfanyl |                    |                                                                                              |
| *Fluazifop-P-butyl   |                    |                                                                                              |
| *Fludioxonil         |                    |                                                                                              |
| *Flumioxazin         |                    |                                                                                              |
| *Flutolanil          |                    |                                                                                              |
| *Fluxapyroxad        |                    |                                                                                              |
| *Imazalil            |                    |                                                                                              |
| *Iprodione           |                    |                                                                                              |
| *Myclobutanil        |                    |                                                                                              |
| *Naled               |                    |                                                                                              |
| *Oxyfluorfen         |                    |                                                                                              |
| *Prodiamine          |                    |                                                                                              |
| *Pronamide           |                    |                                                                                              |
| *Propiconazole       |                    |                                                                                              |
| *Pyriproxyfen        |                    |                                                                                              |
| *Sulfentrazone       |                    |                                                                                              |
| *Tebuconazole        |                    |                                                                                              |
| Acetochlor           |                    |                                                                                              |
| Alachlor             |                    |                                                                                              |
| Ametryn              |                    |                                                                                              |
| Atrazine             |                    |                                                                                              |
| Atrazine Desethyl    |                    |                                                                                              |
| Azinphos Methyl      |                    |                                                                                              |
| Bromacil             |                    |                                                                                              |
| Butylate             |                    |                                                                                              |
| Carbophenothion      |                    |                                                                                              |
| Chlorpyrifos Ethyl   |                    |                                                                                              |

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

| Bottle Type:        | Number of Bottles: | Preserved With:                                                                                 |
|---------------------|--------------------|-------------------------------------------------------------------------------------------------|
| W-PSNP-TQ           | Template: DEFAULT  | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS              |
| Chlorpyrifos Methyl |                    |                                                                                                 |
| Cyanazine           |                    |                                                                                                 |
| Demeton             |                    |                                                                                                 |
| Diazinon            |                    |                                                                                                 |
| Disulfoton          |                    |                                                                                                 |
| EPTC                |                    |                                                                                                 |
| Ethion              |                    |                                                                                                 |
| Ethoprop            |                    |                                                                                                 |
| Fenamiphos          |                    |                                                                                                 |
| Fipronil            |                    |                                                                                                 |
| Fipronil Sulfide    |                    |                                                                                                 |
| Fipronil Sulfone    |                    |                                                                                                 |
| Fonofos             |                    |                                                                                                 |
| Hexazinone          |                    |                                                                                                 |
| Malathion           |                    |                                                                                                 |
| Metaxyl             |                    |                                                                                                 |
| Metolachlor         |                    |                                                                                                 |
| Metribuzin          |                    |                                                                                                 |
| Mevinphos           |                    |                                                                                                 |
| Molinate            |                    |                                                                                                 |
| Norflurazon         |                    |                                                                                                 |
| Oxadiazon           |                    |                                                                                                 |
| 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-2011) 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                |
| Organic Carbon      |                    |                                                                                                 |
| W-TSS               | Template: DEFAULT  | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |
| TSS                 |                    |                                                                                                 |

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

| Bottle Type:                 | Number of Bottles: | Preserved With:                                                                                              |
|------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY                   | Template: DEFAULT  | (SM 2320 B-2011) 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 |                    |                                                                                                              |
| 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                                                            |

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

| Bottle Type:                                                                                                                                                                                                                                                                                                                                                                       | Number of Bottles: | Preserved With:                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| W-CL-IC<br>Chloride                                                                                                                                                                                                                                                                                                                                                                | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR<br>Color (true)                                                                                                                                                                                                                                                                                                                                                            | Template: DEFAULT  | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                                                                |
| W-E8321-DI<br>Acesulfame K<br>AMPA<br>Endothall<br>Glufosinate<br>Glyphosate<br>Sucralose                                                                                                                                                                                                                                                                                          | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS<br>2,4-D<br>2,4,5-T<br>Acetaminophen<br>Acetamiprid<br>Afidopyropen<br>Bentazon<br>Benzovindiflupyr<br>Carbamazepine<br>Clothianidin<br>Dinotefuran<br>Diuron<br>Fenuron<br>Fluridone<br>Hydrocodone<br>Ibuprofen<br>Imazapyr<br>Imidacloprid<br>Linuron<br>Mandestrobin<br>MCPP<br>Naproxen<br>Primidone<br>Pyraclostrobin<br>Thiamethoxam<br>Tolfenpyrad<br>Triclopyr | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-F<br>Fluoride                                                                                                                                                                                                                                                                                                                                                                    | Template: DEFAULT  | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                         |
| W-HARD<br>Hardness                                                                                                                                                                                                                                                                                                                                                                 | Template: DEFAULT  | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |
| W-ICP<br>Calcium<br>Iron<br>Magnesium<br>Potassium<br>Sodium<br>Strontium<br>Tin<br>Titanium<br>Vanadium<br>Zinc                                                                                                                                                                                                                                                                   | Template:          | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| W-ICPMS<br>*Boron<br>Aluminum<br>Antimony                                                                                                                                                                                                                                                                                                                                          | Template: DEFAULT  | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |

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

| Bottle Type:      | Number of Bottles: | Preserved With:                                                                                                             |
|-------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS           | Template: DEFAULT  | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Arsenic           |                    |                                                                                                                             |
| Barium            |                    |                                                                                                                             |
| Beryllium         |                    |                                                                                                                             |
| Cadmium           |                    |                                                                                                                             |
| Chromium          |                    |                                                                                                                             |
| Cobalt            |                    |                                                                                                                             |
| Copper            |                    |                                                                                                                             |
| Lead              |                    |                                                                                                                             |
| Manganese         |                    |                                                                                                                             |
| Molybdenum        |                    |                                                                                                                             |
| 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-2011) 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                            |
| Organic Carbon    |                    |                                                                                                                             |
| W-TSS             | Template: DEFAULT  | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                             |
| TSS               |                    |                                                                                                                             |

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

| Bottle Type:        | Number of Bottles: | Preserved With:                                                                                   |
|---------------------|--------------------|---------------------------------------------------------------------------------------------------|
| 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-CARB-AA           | Template: DEFAULT  | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                            |
| 3-Hydroxycarbofuran |                    |                                                                                                   |
| Aldicarb            |                    |                                                                                                   |
| 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                   |
| Color (true)        |                    |                                                                                                   |
| W-CT-CI-R           | Template: DEFAULT  | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization |
| Chlordane           |                    |                                                                                                   |
| Toxaphene           |                    |                                                                                                   |

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

| Bottle Type:                                                                                                                                                                                                                                                                                                                                                                       | Number of Bottles: | Preserved With:                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| W-E8321-DI<br>Acesulfame K<br>AMPA<br>Endothall<br>Glufosinate<br>Glyphosate<br>Sucralose                                                                                                                                                                                                                                                                                          | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS<br>2,4-D<br>2,4,5-T<br>Acetaminophen<br>Acetamiprid<br>Afidopyropen<br>Bentazon<br>Benzovindiflupyr<br>Carbamazepine<br>Clothianidin<br>Dinotefuran<br>Diuron<br>Fenuron<br>Fluridone<br>Hydrocodone<br>Ibuprofen<br>Imazapyr<br>Imidacloprid<br>Linuron<br>Mandestrobin<br>MCPD<br>Naproxen<br>Primidone<br>Pyraclostrobin<br>Thiamethoxam<br>Tolfenpyrad<br>Triclopyr | Template: DEFAULT  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-F<br>Fluoride                                                                                                                                                                                                                                                                                                                                                                    | Template: DEFAULT  | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                         |
| W-HARD<br>Hardness                                                                                                                                                                                                                                                                                                                                                                 | Template: DEFAULT  | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |
| W-ICP<br>Calcium<br>Iron<br>Magnesium<br>Potassium<br>Sodium<br>Strontium<br>Tin<br>Titanium<br>Vanadium<br>Zinc                                                                                                                                                                                                                                                                   | Template:          | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| W-ICPMS<br>*Boron<br>Aluminum<br>Antimony<br>Arsenic<br>Barium<br>Beryllium<br>Cadmium                                                                                                                                                                                                                                                                                             | Template: DEFAULT  | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |

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

| Bottle Type:        | Number of Bottles: | Preserved With:                                                                                                             |
|---------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS             | Template: DEFAULT  | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Chromium            |                    |                                                                                                                             |
| Cobalt              |                    |                                                                                                                             |
| Copper              |                    |                                                                                                                             |
| Lead                |                    |                                                                                                                             |
| Manganese           |                    |                                                                                                                             |
| Molybdenum          |                    |                                                                                                                             |
| 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-TQ-R          | Template: DEFAULT  | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS                                |
| *Beta-Cyfluthrin    |                    |                                                                                                                             |
| *Bifenthrin         |                    |                                                                                                                             |
| *Cis-Nonachlor      |                    |                                                                                                                             |
| *Dacthal            |                    |                                                                                                                             |
| *Deltamethrin       |                    |                                                                                                                             |
| *Dichlobenil        |                    |                                                                                                                             |
| *Esfenvalerate      |                    |                                                                                                                             |
| *Ethalfuralin       |                    |                                                                                                                             |
| *Fenpropathrin      |                    |                                                                                                                             |
| *Kepone             |                    |                                                                                                                             |
| *Lambda-Cyhalothrin |                    |                                                                                                                             |
| *MGK-264            |                    |                                                                                                                             |
| *Phenothrin         |                    |                                                                                                                             |
| *Piperonyl Butoxide |                    |                                                                                                                             |
| *Prallethrin        |                    |                                                                                                                             |
| *Tau-Fluvalinate    |                    |                                                                                                                             |
| *Tetramethrin       |                    |                                                                                                                             |
| *Trans-Nonachlor    |                    |                                                                                                                             |
| *Triclosan Methyl   |                    |                                                                                                                             |
| 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  |                    |                                                                                                                             |
| Hexachlorobenzene   |                    |                                                                                                                             |

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

| Bottle Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Number of Bottles:                        | Preserved With:                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------|
| W-PCL-TQ-R<br>Methoxychlor<br>Mirex<br>Permethrin<br>Trifluralin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Template: DEFAULT<br>(EPA 8270E)          | Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS |
| W-PO4-F<br>O-Phosphate-P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Template: DEFAULT<br>(EPA 365.1 Rev. 2.0) | Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L              |
| W-PSNP-TQ<br>*Azoxystrobin<br>*Caffeine<br>*Carfentrazone Ethyl<br>*Difenoconazole<br>*Dimethenamid<br>*Dithiopyr<br>*Fenbuconazole<br>*Fipronil Desulfinyl<br>*Fluazifop-P-butyl<br>*Fludioxonil<br>*Flumioxazin<br>*Flutolanil<br>*Fluxapyroxad<br>*Imazalil<br>*Iprodione<br>*Myclobutanil<br>*Naled<br>*Oxyfluorfen<br>*Prodiamine<br>*Pronamide<br>*Propiconazole<br>*Pyriproxyfen<br>*Sulfentrazone<br>*Tebuconazole<br>Acetochlor<br>Alachlor<br>Ametryn<br>Atrazine<br>Atrazine Desethyl<br>Azinphos Methyl<br>Bromacil<br>Butylate<br>Carbophenothion<br>Chlorpyrifos Ethyl<br>Chlorpyrifos Methyl<br>Cyanazine<br>Demeton<br>Diazinon<br>Disulfoton<br>EPTC<br>Ethion<br>Ethoprop<br>Fenamiphos<br>Fipronil<br>Fipronil Sulfide<br>Fipronil Sulfone<br>Fonofos<br>Hexazinone<br>Malathion<br>Metalaxyl<br>Metolachlor<br>Metribuzin | Template: DEFAULT<br>(EPA 8270E)          | Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS           |

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

| Bottle Type:                                                                                                                                                                                         | Number of Bottles: | Preserved With:                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------|
| W-PSNP-TQ<br>Mevinphos<br>Molinate<br>Norflurazon<br>Oxadiazon<br>Parathion Ethyl<br>Parathion Methyl<br>Pendimethalin<br>Phorate<br>Prometon<br>Prometryn<br>Simazine<br>Terbufos<br>Terbuthylazine | Template: DEFAULT  | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS              |
| W-S-A-TP<br>Total-P                                                                                                                                                                                  | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                             |
| W-SO4-IC<br>Sulfate                                                                                                                                                                                  | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                |
| W-TDS<br>TDS                                                                                                                                                                                         | Template: DEFAULT  | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                     |
| W-TKN<br>Kjeldahl Nitrogen                                                                                                                                                                           | Template: DEFAULT  | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                |
| W-TOC<br>Organic Carbon                                                                                                                                                                              | Template: DEFAULT  | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                |
| W-TSS<br>TSS                                                                                                                                                                                         | Template: DEFAULT  | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |

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